

# A Complete Bibliography of Publications in *IEEE Transactions on Software Engineering* (1990–1999)

Nelson H. F. Beebe  
University of Utah  
Department of Mathematics, 110 LCB  
155 S 1400 E RM 233  
Salt Lake City, UT 84112-0090  
USA

Tel: +1 801 581 5254  
FAX: +1 801 581 4148

E-mail: [beebe@math.utah.edu](mailto:beebe@math.utah.edu), [beebe@acm.org](mailto:beebe@acm.org), [beebe@computer.org](mailto:beebe@computer.org) (Internet)  
WWW URL: <http://www.math.utah.edu/~beebe/>

26 May 2021  
Version 1.01

## Title word cross-reference

*I* [LS94]. *N* [BKL90]. *t* [IKWZ90]. *x* [HP91].  
**-composition** [LS94]. **-Kernel** [HP91].  
**-resilient** [IKWZ90]. **-version** [BKL90].  
**0.1** [LLG98].  
**1** [BDF96].  
**3D** [E1199].  
**80x86** [SPL96].  
**95** [WB97].  
**A\*** [LR95]. **abilities** [DMW+95]. **ability** [FW93b]. **Abstract** [CL95, IW95, SWO97].  
**abstraction** [Bis90, CNR90, GSM+95, HKL+98, SWO97].  
**Abstractions** [SDK+95, CMS96, EHO94, GCB+98, MR98].  
**ABYSS** [WC90]. **access** [DS90, GS93, HO90, KM99, VMC90].  
**Accessing** [RP93]. **Accountability** [Kai96].  
**accuracy** [Jor95]. **accurate** [HR94a, KIR+99, LBJ+95]. **Achieving** [Hel93, KM90a, TT95, TN97, ACG93].  
**ACL2** [You97]. **acquisition** [RW91]. **action** [KR95, LKBK91]. **actions** [TC95, WB97, WR96]. **activity** [QsvMG96].  
**Ada** [Kar90a, MO90, YLT93, AE92, Cor96b, Dil90, GN97, GMP90, Hem90, HW89, KSB89, KB90, KB91, LL97, Mos90, TCO91, WB97].  
**Ada95** [Che97]. **Ada95-like** [Che97].

**Adaptive**[Fer99, GH91, KS94b, FTTV96, HRPL<sup>+</sup>95].**Addendum** [Sto94]. **Additivity**[BMB97, PDB<sup>+</sup>97]. **adequacy**[PZ91, Zhu96]. **ADTEST** [GN97].**advanced** [AB94]. **AETG** [CDFP97]. **after**[Ebr97]. **against** [Cha90a]. **agent** [HR94b].**agents** [DFP98]. **aggregation** [SMS99]. **aid**[CER90]. **aided**[BKWZ94, TMN<sup>+</sup>99, WS92]. **AIN** [LLG98].**Albrecht** [RLL93]. **algebra** [PP96, TVK90].**algebraic** [BDM96]. **algorithm**

[AL95, AS97, Amm92, BB90, Gra91, HG99,

KS91, Lan99, RCGF97, RLP90, SG91,

SLL93, Vos91, Wan96, War96, YLN88].

**algorithm-based** [BB90]. **Algorithmic**[KSH<sup>+</sup>92]. **Algorithms**

[FL97, QSVMG96, BR90, FTTV96, FD94,

IM93, MK93, MRT91, Pik06, QHK91, RvH93,

Rus99, VAA99, VF92, WM97, War96, WS97].

**Algres** [CCTCR92]. **alias** [HR96].**all-DU-paths** [PZ95]. **all-edges** [PZ95].**all-uses** [PZ95]. **Allocating**[Kau90, Tow86, Tow90]. **allocation**[Hou90, HT93, ZA91]. **alternating** [Suz90].**alternative** [Hu97, PKJH99]. **alternatives**[SW93, WRH98]. **ambitious** [CCF94].**Amdahl** [KH92b]. **among** [PZ95]. **Amulet**[MMM<sup>+</sup>97b]. **analogies** [SS97]. **analogy**[MS99]. **analyses** [Fea98, KL94, Tia95].**Analysis** [BKL90, CS92, CBMW93, CDY92,

KH92a, PZ91, SMS99, YD92, AEHB96,

AR96, AJ93, ABC<sup>+</sup>91, BM94, BBT92,

BR90, BTW95, CS94, CCDD98, CB93,

CGK98, CB99, CK94a, CDK98, CCF94,

CBS99, CVW98, Cor96b, DZ90, DS97b,

DC96, DF98, Ebr97, FW93b, GAF91, HW90,

HS93, Han95, HRS98, HKL94, HG99, HL93,

HvB94, How90, HW94, IM93, IKP95, IW95,

JLHM91, Joh95, KdBmS91, KB91, KAS93,

Kem96, Kem99, LRF95, LCK98, Lev90,

LM95, LBJ<sup>+</sup>95, LS90b, Liu98, LB94,LKA<sup>+</sup>95, NK91, NvS90, NM94, OO90,

PC92, PJ97, RT93, RLP90, RT90, Ser96,

SPL96, SR99, SY93, Suz90, SK91, TR91,

TWJ92, TYC95, VF92, Ves94, WS92, WK90,

WS90, YLT93, YD93, Zhu96, vML99].

**analyzers** [Jar98, KB90]. **Analyzing**

[ACD98, DIM95, RH96, SB91, SHH91, WJ91,

AE92, CNW90, Ebe92, JD96, KP91, Kit98].

**animation** [Ell99]. **Anonymous** [JR99].**aperiodic** [BC99, RCGF97]. **Apollo**[Pek92]. **Application**

[HS90, BH98, Fea98, HNUI94, KdBmS91,

LMM96, TMC99, TYOJ91, TYC95].

**applications**[AAA<sup>+</sup>90, BG98, Bou94, CCTCR92,CTV<sup>+</sup>98, GSM<sup>+</sup>95, Hou90, Kar90b,LOHS98a, LOHS<sup>+</sup>98b, MVD96, MK92a,

RH91, SS91, SMYP99, UGB93, WB98].

**Apprentice** [RW91]. **approach**

[AEHB96, Ada96, BLS91, BJ91, BG91,

BG98, BBT92, CCdC92, CCdC93, Che96,

Chu91, CI93, CDFP97, CY90, DZ90, Ell99,

GL92, GS90b, HBRY91, IKP95, KIR<sup>+</sup>99,

KS99a, KP91, LKBK91, LC92, LSB94,

Liu98, MBK91, MCN92, OB92, PW92,

PW93, Puc92, Ros95, SI91, SO94, SSM90].

**approaches** [SF95]. **appropriateness**[Sea93]. **Approximate**[CCJS94, Joh95, MW90, Ser96]. **arbitrary**[SGL97]. **Architectural**[GN95, Buh98, TMA<sup>+</sup>96]. **Architecture**[RW94, CTV<sup>+</sup>98, DC95, GD93, HRPL<sup>+</sup>95,HP91, JZ98, Le 98, LV95, LKA<sup>+</sup>95, MQR95,RS96, RMSF91, SR92, SDK<sup>+</sup>95, SPL96,WB98, WC90]. **Architecture-directed**[RW94]. **architecture-independence**[GD93]. **architectures**[DR93, IW95, ORSvH95]. **argument**[PT98]. **Argus** [GSW92]. **arrivals** [CW90].**artificial** [HNUI94, SR93, WS92]. **ASN.1**[NY90]. **ASN.1-C** [NY90]. **aspect**[MWB99]. **aspect-oriented** [MWB99].**aspects** [SD98]. **assertions**[CBMW93, Ros95, SM94]. **assess**[MS99, PSTV97, PT98]. **Assessing**[PJ97, VV93, MWB99]. **assessment**

[ABK94, AW95, BS96]. **Assignment** [PSA97, LMM96, LS95]. **assistance** [RW91]. **associations** [PLR94]. **ASTRAL** [CPKM94, CPGK97]. **Asymptotic** [SK91]. **asynchronous** [CGP99, MK93]. **asynchronously** [CDS99]. **atomic** [TC95, WB97]. **atomicity** [CMSW93]. **attacker** [JO97]. **attacks** [Aba97]. **attainment** [MYK94]. **attention** [LL97]. **attribute** [MK93]. **auction** [FR96]. **audit** [HL93]. **authentication** [Aba97, Sch98]. **Author** [Ano97b, Ano98a]. **automata** [NSY92, PA91]. **Automated** [ABC<sup>+</sup>91, ACDW94, BH98, HS91a, Kor90, TVK90, DM90, PW92, RW91]. **Automatic** [AHH96, BM94, CGP99, HvB94, LP98a, LB91, MH91, AW95, DO91, Gir93, HG99, KB95, NTFT91, OO90, PSTS91]. **Automatically** [WGS94, MBK91]. **Automating** [BKWZ94, CGP<sup>+</sup>90, GL92]. **availability** [Gai91, HM95, LKBK91, LK92, TT95]. **available** [FC99]. **Avalon** [Win90]. **Avalon/C** [Win90]. **avionics** [DS97b]. **avoid** [TM98]. **avoidance** [Lan99]. **Aware** [Ano98b, BG98]. **awareness** [WB98]. **axioms** [CS91, Pik06].

**B** [BR95]. **balancing** [AG91, Kun91, LR92, Rom91]. **bang** [RLL93]. **banishing** [DW90]. **banker** [Lan99]. **base** [RS93]. **based** [AEHB96, AK98a, ABBC99, AG93b, BB90, BKWZ94, BM94, BLY93, BG98, BMB96, BMB97, BMB99, CS94, CCdC92, CCdC93, CRCK98, CT98, Che97, CBMW93, CI93, CDFP97, DO91, EH91, FTTV96, FvBK<sup>+</sup>91, GHS95, Gir93, HJR91, Har92, HL96, HWR99, IKP95, JO97, KB91, KM97, KS91, LV97, LV95, LDvB94, LvBP94, LS99, Lus94, MT96, MTMS92, MRF<sup>+</sup>98, MMM97a, Mor90a, NJ91, PDB<sup>+</sup>97, RGB93, Shi93, SI91, SVK97, SC96, SMMM98, SSM90, Tai96, TMA<sup>+</sup>96, Tia95, TLP95, TT95, Voa92, WM95, Wan96, WH94, YLN88, YLT93, ZA91, Zus97]. **basis** [Fen94, TWJ92]. **batched** [LM90]. **Bayesian** [BC90, CS94, CBS99]. **BDL** [BA99]. **behavior** [GGJ<sup>+</sup>90, HW90, JO97, KIT93, LS91, SPL98, WP94]. **behavioral** [CBMW93, SD98]. **benchmarking** [MS97b]. **benefits** [MS99, PSTV97, PT98]. **Bernoulli** [LM95]. **between** [CY94, LSHZ94, NKF94, SD98, SMS99, Zhu96]. **Bidding** [Cha90a]. **bifunctional** [LJS<sup>+</sup>90]. **binary** [CM96]. **bit** [Suz90]. **blackboard** [VS95]. **Block** [GS93, Puc92]. **blocking** [YD93]. **blocks** [TMT93]. **Boolean** [WGS94]. **Botting** [BC96]. **bottlenecking** [NWPM95]. **bound** [AM90]. **bounded** [NM94]. **Bounding** [SGL97]. **bounds** [ACDW94, Bur96, CCS91, FM94, WM95, YPV91]. **box** [Edw97]. **Boyer** [Gol90]. **branch** [FW93a, FW93c]. **branches** [Kau90, Tow86, Tow90]. **bridging** [FKV91, LSHZ94]. **buffer** [Dan94, GS93, LMM96]. **Building** [BSL99]. **Burh** [YLT93].

**C** [CNR90, CGK98, NY90, PLR94, WM97, Win90, YD95]. **cache** [CS92, CRL99, LM95, LMM96]. **Caching** [KM92]. **CAD** [BH98]. **calibration** [Ebr99, GHS95]. **Call** [FHLS99, Hal95, CCHK90]. **Capacity** [RJT93, Mut92]. **capture** [VV93]. **capture-recapture** [VV93]. **capturing** [RD92]. **case** [AL95, BG91, BHT<sup>+</sup>93, Buh98, FEG92, GGJ<sup>+</sup>90, GSW92, HvB94, LBJ<sup>+</sup>95, MH92, NK91, NAT93, SW93, SKN96, TVK90, WRH98, BKWZ94, RLL93]. **case-study** [MH92]. **cases** [LCK98]. **causal** [AM98, LP98b]. **cause** [NK91]. **cause-effect** [NK91]. **cautious** [IKK90]. **Cecil** [OO90]. **central** [LR92]. **centralized** [CDIY90]. **Certification** [WR94a]. **CES** [GSW92]. **chain** [WT94]. **chains** [Bou94]. **change** [CNW90, GJB96, KM90b]. **changes** [BW94, Mad92, MW90]. **changing** [DM94, SK91]. **channel** [Bar95]. **channels**

[CKA93, KP91, Sto94, TGC90]. **characterization** [Bou94, CGL94, HWR99, MRF<sup>+</sup>98, SS95a, YCHL92]. **characterizing** [GGJ<sup>+</sup>90]. **check** [CGR95]. **Checker** [BCY01, FG97, Hol97]. **checking** [AG93b, Bar95, CAB<sup>+</sup>98, HKL<sup>+</sup>98, MS97a, PT98, SY93]. **checklist** [Che96]. **checkpointing** [GDT92, NvS90, RS93]. **checkpoints** [DKKP91, HNR99]. **checks** [LCKS90]. **chemical** [IW95]. **Cheung** [Hir90]. **Chidamber** [HM96]. **Cicero** [HR98]. **circuits** [AJ93]. **circularity** [Muh91]. **Clarifying** [PZ93]. **class** [HvB94, McL96]. **classification** [CBC<sup>+</sup>92]. **Client** [KM99, NWPM95]. **Client-access** [KM99]. **client-server** [NWPM95]. **Clock** [Aud97]. **clocks** [ACG93, Aud97]. **Closure** [AG93a, QHK91]. **closures** [Wan96, YLN88]. **clustered** [GS93]. **clustering** [KB95]. **CNC** [Mor90b]. **code** [CCDD98, CGK98, DM94, Dev95, Edw97, FPV98, GH95, ML95, PP94, PSTV97]. **coding** [vML99]. **Cognitive** [SV92]. **coherence** [CRL99]. **coherency** [CDY92]. **cohesion** [BO94, BK98]. **collaborative** [GSW92]. **colored** [Gae96]. **combinatorial** [CDFP97, LW90]. **combinators** [CD99]. **come** [ZJ96]. **Comment** [AS97]. **Comments** [BCY01, BBC96, BC96, BMB97, CSCK95, Con90, Fal92, Foo93, Gri94, Hir90, How90, Kar90a, Kau90, KPF97, MO90, MBB<sup>+</sup>97, PKJH99, PDB<sup>+</sup>97, RGRF01, YSW<sup>+</sup>01, YLT93]. **commerce** [Kai96]. **commercial** [TLP95]. **Commitment** [MTMS92]. **Commitment-based** [MTMS92]. **common** [RS93, KM97]. **Communicating** [Sha92, BV95, CDS99, EJ90, LvBP94, PSA97]. **Communication** [DB98, SB98, Aba97, AM90, Bar90, BDV91, HR94b, MIS97, Ran93, WSY91]. **communications** [HW89, Kar90a]. **community** [NG90]. **compact** [DC96]. **Comparative** [NvS90, PJ97]. **Comparing** [PVB95, You97, SO94]. **comparison** [BR95, DR93, FW93a, JLB93, RLL93, SL91, SW93, YS93]. **Compartmented** [BPWC90]. **competing** [Bou94]. **competitors** [Cha90a]. **compilation** [Eng99]. **compiler** [Cha90b, LJS<sup>+</sup>90, NY90]. **compilers** [SS95a]. **Compiling** [GH95, NSY92, Eng99]. **complete** [IKWZ90]. **completely** [LM90]. **Completeness** [HL96]. **completion** [SGL97]. **Complex** [KM92, Buh98, DK94, HLN<sup>+</sup>90, SMYP99]. **Complexity** [TZ95, Amm92, BU91, CS91, GK91, Har92, LJS91, SM94]. **compliance** [EFM<sup>+</sup>99]. **Component** [AK98a, TMA<sup>+</sup>96, SMS99]. **component-** [TMA<sup>+</sup>96]. **components** [BBH93, FP94, Fre91, HW91, MMM97a, WR94a]. **Composite** [Muh91, FH92]. **Composition** [BG97, JZ98, LS94, McL96]. **Compositional** [BV95, FG97, KLB93, MR98]. **compositions** [HT96]. **Compound** [Sah92]. **Compound-Poisson** [Sah92]. **Comprehending** [ADS99]. **comprehension** [VV96, vML99]. **Computation** [Kor97, CCJS94, HR96]. **Computational** [GQ96, Kar90b, LW90, MS92, WHH<sup>+</sup>92]. **compute** [Ves94]. **Computer** [WS92, BKWZ94, BM94, HL93, LS90c, Tai96, TMN<sup>+</sup>99, UGB93]. **computer-aided** [BKWZ94, TMN<sup>+</sup>99]. **computers** [CMS98]. **Computing** [Ano98b, FM94, AT93, ACG93, AG93a, CD99, JR99, KSH<sup>+</sup>92, MR98, Pek92, SS95b, WB98, WW91]. **concept** [CBC<sup>+</sup>92, CL95, DJC94, KNE92, SR99]. **concepts** [PZ93]. **concurrency** [CDY92, HD91, IKK90, RC90, YD92, YD93]. **concurrency-coherency** [CDY92]. **concurrent** [ABC<sup>+</sup>91, ACDW94, BDM96, CT98, CB93, Che98, Cor96a, DA91, GPS96, Gol90, HGR92, Nes93, NM94, Sta93, TCO91, Tay92, TLK92, TC95, Woo95]. **concurrent-software** [NM94]. **conditional**

[SY93]. **conditions** [MT96]. **confidence** [HT90]. **confidentiality** [Jac91]. **configurable** [GSM<sup>+</sup>95]. **conflict** [SMS99]. **Conflicts** [LS99, vLDL98]. **conformance** [PF90]. **conjunctions** [HMRS98]. **connectionist** [KWM92]. **Connectors** [WF98]. **conservative** [LW97]. **considerations** [KL94]. **Consistency** [HNR99, Fea98, HL96, KK99, MS97a, TN97, You97]. **consistent** [CCS91]. **constrained** [ABC<sup>+</sup>91]. **Constraint** [DO91, Gir93, CBMW93, GH95, GS99, OO90, TYC95]. **Constraint-based** [DO91, Gir93]. **constraint-oriented** [GS99]. **constraints** [CT98, Hua90, XP93a, XP93b]. **Constructing** [CCHK90, MBK91]. **construction** [Muh91, NTFT91]. **Constructive** [HR98]. **containing** [Kau90, Tow86, Tow90]. **contention** [YD92]. **contentions** [CSL91]. **context** [SPL98]. **contingency** [Chu91]. **continuous** [DL91, Foo93]. **contribution** [Di 93]. **Control** [Yad90, AHSR93, AG94a, Amm92, BM94, BA99, CB94, CDY92, Dan94, DS97b, EH91, HO90, HD91, HG99, IKK90, Jac95, JLHM91, LJS91, LHHR94, MK92a, PW93, YD92, YD93]. **control-flow** [Amm92, LJS91]. **control-intensive** [AG94a]. **Controlled** [LRLH91, MS99, PT98]. **controllers** [WK90]. **convergence** [AG93a]. **Conversion** [Nov95a]. **cooperation** [BDF96, SC98]. **cooperative** [DT94, PS93]. **Coordinating** [CTV<sup>+</sup>98]. **copies** [AT93, HH97]. **Copying** [HW91]. **Correct** [MQR95, BC90]. **Correction** [CCdC93, Das93, LOHS98a, Tow90, XP93a, ACG93]. **correlated** [NG90]. **correlation** [TMT93]. **Correspondence** [BC96, Ebe92]. **Corrigenda** [HS97]. **Corrigendum** [Gir93]. **Cost** [CVW98, Bin97, CBS99, Ebr99, Gut95, HZO98, LP98b, MBM94, PN97, PSTV97, RW97, Wey90, ZA91, ZEWH95]. **cost-benefits** [PSTV97]. **Cost-effective** [CVW98]. **cost-effectiveness** [RW97]. **costs** [AM90]. **count** [CCS91]. **counterexample** [JD96]. **counting** [JLB93]. **coupling** [BDW99]. **coverage** [RW97]. **covers** [BM94]. **Covert** [KP91, TGC90]. **Creation** [Nov95b]. **criteria** [Con90, Hof90, PZ95, RT93, Zhu96]. **Critical** [KSB89, MO90, BV95, BR90, BF93, DMW<sup>+</sup>95, GMMP91, GDT92, Jac95, KB90, LW97, RvH93]. **critique** [FN99]. **cross** [HR94b]. **cross-RPC** [HR94b]. **cryptographic** [AN96]. **CSCW** [SC98]. **CSDL** [DT94]. **CSP** [Cam90, KR93, LR97, Moo90, Sch98, SNH93, TC95]. **CSPL** [Che97]. **cut** [DW90]. **Cyclomatic** [GK91].

**D** [Con90, Kau90, XP93a]. **Data** [BB93, CG92, GS90a, Mos90, BDS93, Bis90, BBT92, BR90, CCTCR92, CS94, CB93, CGK98, CB99, CNW90, CL95, DO91, DM90, EHO94, FW93a, GN97, Gir93, GS93, GCB<sup>+</sup>98, HLR92, HvB94, Kor90, LRF95, Lev90, MCB90, Mil90, Nov95b, PZ91, RT93, RLP90, Sch93, SWO97, Smi91, Sta95, War96, WH94, Wey90, Wey93, WGS94, YD92]. **Data-driven** [GS90a]. **data-flow** [HLR92]. **data-intensive** [CCTCR92]. **Data-oriented** [CG92]. **database** [CI93, DCN93, Fal92, GD93, IKK90, KH92a, LMM96, Mul90, NJ91, SS91, Sin90, Wan96, WMS<sup>+</sup>92, YLN88, YCHL92]. **databases** [CY90, HD91, PP96, WSY91]. **dataflow** [CK94a, Fra92, KSH<sup>+</sup>92, RH91]. **datasets** [Kit98]. **dataspace** [RC90]. **DBMS** [DR93]. **dead** [CGK98]. **deadlines** [CW90, FL97, SLL93, XP90, Xu93]. **deadlock** [Cor96a, KB91, KS91, Lan99, YLT93]. **deadlocks** [Bar90, KS94c, Muh91]. **Debugging** [GGH90, GBB90, TCO91, KB95, PC90, Sin91, TFCB90, VD95]. **Dec** [CCdC93]. **decay** [Hel93]. **declarative** [vLW98]. **decomposition** [GS99, Hua90, Moo90, PW92].

**decompositional** [LSB94]. **deductive** [MW92]. **def** [PLR94]. **def-use** [PLR94]. **defect** [CBC<sup>+</sup>92, FN99, Lev90]. **defects** [AE92, KK99]. **deferred** [CB99, SLL93, YD93]. **Defining** [BMB99, DL91, Foo93]. **definite** [Sta95]. **definition** [CMBC93, LV95, Yad90]. **delay** [vG91]. **deliberations** [RD92]. **delivered** [FHLS98]. **demand** [ML95]. **DeMarco** [RLL93]. **DeMillo** [Gir93]. **denial** [YG90]. **density** [GK91]. **Dependability** [LB94, AAA<sup>+</sup>90, BS96, CMS98, KIR<sup>+</sup>99, KM90a, LI95, MS97b]. **dependencies** [PC90]. **dependences** [DS90]. **dependency** [BDV91, Mos90, SD98]. **dependent** [BD91, HDL90]. **Derivation** [War96, ACDW94, HvB94, MH91, PF90, RGB93, Sta93, WS92]. **Describing** [Le 98]. **descriptions** [Kun91, MH91]. **Design** [HPR<sup>+</sup>97, Jar98, SVK97, WEHL94, AK98a, BLS91, BS91a, BL94, BB90, BBM96, BK98, BMB99, CGZ91, CRCK98, CK94b, CNW90, CCK95, CDFP97, CHB92, CY90, CL95, DT94, DF98, Ebr97, EH91, FH92, FGNR92, FR96, GCG90, Gri94, HW91, HNUI94, JD96, KR93, KH92b, KB95, KS93, LSB94, LB91, MDC92, NY90, ORSvH95, Sat92, Sen97, SW93, SO94, SO98, SC98, TMC99, TC95, WRH98, Yad90]. **design-level** [BK98]. **designers** [FGNR92]. **Designing** [AK98b, CCTCR92, HR94b]. **designs** [AE92, VV93]. **detect** [HKL<sup>+</sup>98, LR97, TM98]. **detected** [CY96]. **Detecting** [LW92, DMW<sup>+</sup>95, FW93b, GS90b]. **detection** [ABK94, BB90, CGK98, Cor96a, HL93, HMRS98, IKP95, KS91, KS94c, LCKS90, LLG98, MK92b, PVB95, PZC<sup>+</sup>96, RT93, WH94]. **detector** [JD96]. **Determining** [Sin91]. **Deterministic** [AJ93, SB99, TCO91]. **developers** [BSV96]. **Developing** [BBH93, PJ91]. **development** [BHT<sup>+</sup>93, BSV96, BG98, CRCK98, DB98, GHM98, HLN<sup>+</sup>90, KM90a, MTMS92, MBM94, MVD96, MA93, MWB99, MMM<sup>+</sup>97b, NAT93, PK91, PN97, PSTV97, RD92, RF92, RGFR98, RGRF01, RP99, Smi90, SF95, SMYP99, TBH91, VF92, YSW<sup>+</sup>01, ZEWH95, vG91]. **deviations** [Cug98]. **device** [TMC99]. **diagnosis** [WLS97]. **diagrams** [BBC96, BC95, DM90, Fra92, PSTS91]. **dictionary** [BDS93]. **different** [Kun91, NvS90, Nov95b]. **difficult** [Fin96]. **Dijkstra** [NBK95]. **dimensional** [DCN93, WMS<sup>+</sup>92]. **directed** [GKNV93, RW94]. **directions** [MMM95]. **disciplined** [DZ90]. **Discrete** [CNT99, BL94, De 90, Gae96, WK90]. **Discrete-event** [CNT99, BL94, Gae96]. **discussion** [SB98]. **disk** [CS92]. **dispatcher** [LR92]. **Distributed** [AB94, CMS96, JZ98, AT93, AG91, ACG93, BS91a, BKT92, Bar90, CK94a, CSL91, CDY90, CDY92, De 90, DJC94, GSM<sup>+</sup>95, GSW92, HW90, HD91, HM95, HNR99, HPR<sup>+</sup>97, Hou90, HBRY91, HMRS98, IKWZ90, KM90a, KS91, KS94c, KB95, LS90b, LB94, LS99, MYK94, Min91, Mul90, PC92, PS93, PSA97, RS93, Sat92, SGCT90, SS95b, SMYP99, TT95, Tri96, TN97, VD95, WHH<sup>+</sup>92, WW91]. **distribution** [CGP99, TYOJ91, Vos91]. **distributions** [Gut95]. **do** [ZJ96]. **document** [Ebr97]. **documentation** [NAT93, PMI94, PP98]. **does** [HT90]. **Domain** [TMC99, ABBC99, CRL99, FGNR92, HRPL<sup>+</sup>95, KS99b, SM98, Tia95, Pek92]. **domain-oriented** [FGNR92]. **Domain-specific** [TMC99, ABBC99, CRL99, HRPL<sup>+</sup>95, KS99b]. **drawing** [BDL95, DM90, GKNV93]. **driven** [AG93b, GS90a, vLDL98]. **drivers** [TMC99]. **DSA** [CMS96]. **DSP** [RH91]. **DSPNs** [HG99]. **during** [BHT<sup>+</sup>93, RD92, VV96]. **Dynamic** [SZ92, WM97, Kor97, KM90b, LR92, RCGF97, RT90, Voa92, VV96]. **dynamic-priority** [RCGF97]. **dynamically**

[SVK97].

**Early** [RWG90, MK92a]. **economic**

[CCH96]. **economy** [WHH<sup>+</sup>92]. **edges**

[PZ95]. **editing** [GSW92]. **Editor** [Raj92].

**Editorial**

[Ano97c, CS99, CG96, Gar98, Jaz98, LJ98, Mea96, NJ96, Son97, GN99, HM99, RW99].

**editors** [Shi93]. **effect**

[ABK94, Bis90, NK91]. **Effective**

[BTW95, CVW98, CY90, MMM<sup>+</sup>97b].

**effectiveness** [FW93a, RW97]. **effects**

[DH92, MW90, WS90, Zha91, ZEWH95].

**efficiency** [LW90, TT95]. **Efficient** [Gae96,

HL91, HMRS98, KS94c, LM90, MRT91, QHK91, BL94, BB90, CCF94, SB99, WW91].

**effort**

[GBB90, Jor95, MK92a, PN97, SS97, SF95].

**election** [FC99, IKWZ90]. **electronic**

[AB96, Kai96]. **Elements** [JD96].

**elicitation** [HPW98]. **elimination**

[LRF95, SL91]. **Embedded**

[HT91, AHH96, Ell99]. **emerging** [MWB99].

**Empirical** [JV99, RH98, AR96, ADS99,

CBS99, FP94, KP92, KS99a, LL97, LCKS90,

MA93, OL94, SB98, Sea99, SL91, SV92,

SR93, TMN<sup>+</sup>99, Wey90, vG91]. **enabling**

[PC92]. **enactment** [Cug98].

**Encapsulation** [GD93, ZEWH95]. **end**

[FL97, TBH91]. **end-to-end** [FL97].

**Engineering** [BMB97, JV99, KAS93, SO98,

AN96, BKWZ94, BBT92, BMB96, BTW95,

CCdC92, CCdC93, CCF94, CBS99,

EDRM90, FN98, LCK98, LOHS98a,

LOHS<sup>+</sup>98b, OB92, Par93, PDB<sup>+</sup>97, RD92,

RMSF91, Sea99, SW93, SM98, SMMM98,

TMN<sup>+</sup>99, Woo95, Zus97, vLDL98, Ano95].

**enhance** [BCD97, CL95]. **entities** [Buh98].

**entity** [BDS93, MM90].

**entity-relationship** [MM90]. **entropy**

[Har92]. **entropy-based** [Har92].

**enumerative** [PS93]. **Environment**

[Mad92, BFG93, BDF96, BKWZ94, BLW90,

BC99, CCTCR92, CDM95, Che97, DCN93,

HJR91, HLN<sup>+</sup>90, HM93, KIT93, MS91,

MS92, MA93, Mut92, MMM<sup>+</sup>97b, PJ91,

RH91, RUPT90, RLL93, SMYP99, SK91,

TMN<sup>+</sup>99, VF92, WB98, YD95, YD92].

**environments** [CP91, FTTV96, FGNR92,

GHM98, HBRY91, PK91, YCHL92]. **EPOS**

[JC93]. **EQL** [WM95]. **Ergodicity** [CCS91].

**error**

[ABK94, BB90, FL97, LP98b, LCKS90,

LW92, NK91, NG90, SB91, SLvH92].

**error-prone** [SB91]. **errors**

[Ebr97, How90, LR97]. **ESML** [RM93].

**ESML-extended** [RM93]. **Estella**

[CBMW93]. **estimate** [CCH96]. **estimates**

[TBH91]. **Estimating**

[MMN<sup>+</sup>92, Mut92, SD90, SS97, Chu91,

LP98b, ML95, MS99, SF95]. **Estimation**

[Haa99, Ada96, BC90, GBB90, GS93, Gut95,

HS97, Lar90, LJ90, MBM94, MK92a, PN97,

TYOJ91, TDN93]. **Estimeetings** [TBH91].

**European** [MVD96]. **EVA** [MKH97].

**evaluate** [Zha91]. **Evaluating**

[CNW90, Cor96a, FHLS98, Hu97, MWB99,

PKJH99, SKN96, ACJ<sup>+</sup>96, Ebe92, MA93,

Sch99, Sea93, WRH98]. **evaluation**

[BKZ93, BS91b, BLW90, CGZ91, CMS98,

CHBC93, ECK<sup>+</sup>91, GDG92, HL91, HCN98,

KIR<sup>+</sup>99, LKBK91, LP98a, LJ90, MYK94,

MK93, OL94, ODK99, SG90, SC98, TZ95,

YZM97, Zav91, ZQ91]. **event** [AG93b, BL94,

CNT99, De 90, Gae96, KR95, LV95].

**event-action** [KR95]. **event-based** [LV95].

**event-driven** [AG93b]. **Evolution**

[RS96, SPL98, BFG93, JC93, KS99a, LX93,

Luq90, Mad92, RUPT90]. **evolving**

[KM90b, MKH97]. **Exact** [LM95].

**examination** [MvMS93]. **example**

[BW94, Sta93]. **Exception** [Gov93, CG92].

**exchange** [KR93]. **exclusion** [XP90, Xu93].

**executable**

[DFPT90, Hem90, LS91, Nes93, NP92].

**Executing** [RH91]. **execution**

[CP91, CS94, CPDGM91, DH92, GD93,

HS90, SB99, SO98, SGL97, TCO91, TLP95,

YPV91, YMST99]. **Existence** [SD98, MT96]. **expected** [CY96, DIM95]. **Experience** [Jor95, MRF<sup>+</sup>98, SO94, ACJ<sup>+</sup>96, CMSW93, RWG90, Wey93]. **Experiences** [ELC<sup>+</sup>98, Das92, Das93]. **experiment** [BPV94, BKL90, KM90a, MS99, PVB95, PSTV97, PT98]. **Experimental** [BS91b, BLW90, AHSR93, CMS98, ECK<sup>+</sup>91, FW93a, PJ97, YS93]. **Experimentally** [GGJ<sup>+</sup>90]. **Experimenting** [ODK99]. **experiments** [BSL99]. **expert** [CS94]. **Explicit** [Aba97]. **exploratory** [CDK98]. **exporting** [WB98]. **exposure** [MvMS93]. **expressing** [NKF94]. **expression** [ABC<sup>+</sup>91]. **expressions** [BG91, HvB94, LM90, Lus94]. **expressiveness** [BCD97]. **extended** [Fra92, Lan99, MM90, NSY92, PMdO99, RM93]. **Extending** [HO90, SR98, SY93]. **extensible** [CCDD98, GD93]. **extensions** [DS98]. **Extracting** [LV97].

**Factors** [RGFR98, YSW<sup>+</sup>01, RGRF01, YS93]. **failure** [BC90, CS94, FF96, Gut95, ML95, MMN<sup>+</sup>92, Sch93, Voa92]. **failure-based** [Voa92]. **failures** [CY96, MMN<sup>+</sup>92, NG90]. **fallible** [AHSR93]. **families** [BSL99]. **fast** [Ran93]. **Fault** [AAA<sup>+</sup>90, AG93a, AK98b, BG91, DMW<sup>+</sup>95, FW93b, HT93, KIR<sup>+</sup>99, KIT93, MvMS93, Mor90a, MK92b, OA96, ORSvH95, Pik06, PJ91, RT93, Rus99, SGCT90, SL91, Tai96, TC95, WH94, WW91, WS90]. **fault-based** [Mor90a, Tai96]. **fault-detecting** [DMW<sup>+</sup>95, FW93b]. **fault-detection** [WH94]. **fault-prone** [MK92b, OA96]. **fault-tolerance** [AK98b, SGCT90]. **fault-tolerant** [AG93a, BG91, HT93, ORSvH95, Pik06, PJ91, Rus99, WW91]. **faults** [BKL90, KIT93]. **Feature** [LJ98, JD96, JZ98, KK98, LLG98, TM98]. **FieldBus** [CDM95]. **file** [Gai91, RP93, Sat92, TN97]. **files** [LM90, RP93]. **filter** [Gra91]. **fine** [RH91, KIT93]. **fine-grained** [RH91]. **finite** [FvBK<sup>+</sup>91, GS93, LvBP94]. **finite-state** [LvBP94]. **firing** [CCS91]. **firm** [BC99]. **fit** [SV92]. **Fixed** [Ves94, BTW95, HKL94, KAS93, MT96]. **Fixed-priority** [Ves94, HKL94]. **flat** [DA91]. **flexible** [Cug98, HYT91, Jar98, MKH97]. **Flow** [Dan94, Amm92, BM94, BR90, EG90, FG97, FW93a, HLR92, KP91, LJS91, LV97, LRF95, RLP90, Wey90, Wey93]. **fluid** [CNT99]. **flush** [CKA93, Sto94]. **fly** [DS98]. **foolproofing** [NAT93]. **form** [ABBC99, Edw97, FN91]. **form-based** [ABBC99]. **Formal** [Che98, CGR95, DS97b, GCG90, GMP90, IW95, ND90, ORSvH95, RGB93, RvH93, Sta93, Suz90, BLS91, BBC96, BC95, BW94, Che96, CPKM94, DJC94, ELC<sup>+</sup>98, Fea98, Fin96, Fra92, FW93b, FKV91, GS99, GPS96, GJB96, Hem90, LOHS98a, LOHS<sup>+</sup>98b, MH91, Pik06, PC90, RS94, Rus99, War96, Zhu96]. **formalism** [DFPT90, GMMP91]. **Formally** [WLS97]. **formed** [FM94]. **foundation** [AG93a]. **foundations** [HL93]. **fourth** [HG99]. **fourth-order** [HG99]. **Fragmenting** [SI91]. **frame** [BMR95]. **frames** [BR95]. **Framework** [KPF97, ACJ<sup>+</sup>96, BG98, BDW99, CPKM94, Dev95, DM90, GJB96, HGR92, KPF95, LLG98, MYK94, MBB<sup>+</sup>97, NKF94, PP94, Smi92, SC96, VS95]. **franca** [Tay92]. **front** [TBH91]. **front-end** [TBH91]. **Function** [AR96, LJ90, JLB93, KP92, MBM94, RLL93]. **Functional** [Mil90, BO94, Gov93, MCB90]. **functions** [DL91, Foo93, Hu97, LV97, PC92, PKJH99]. **fundamental** [PZ93]. **Fundamentals** [MW92].

**G** [YLT93]. **galaxy** [BB91]. **games** [DIM95]. **gap** [FKV91, LSHZ94]. **general** [Dil90, HGR92, KR95, McL96, QSVMG96].



**Generalization** [FN91]. **Generalized** [CMBC93, GDG92, KH92b, KS94c, LvBP94]. **generated** [PP98]. **generating** [BU91, HWR99, Vos91, WGS94]. **Generation** [SLvH92, AW95, BM94, CGP<sup>+</sup>90, DO91, GN97, Gir93, HKR90, Kor90, OO90, PSTS91, QSVMG96, TMC99, TVK90]. **generators** [BG97]. **generic** [Nov97, WM97]. **GenVoca** [BG97]. **Ginger2** [TMN<sup>+</sup>99]. **given** [Vos91]. **global** [BSV96, KS94b, VD95]. **goal** [OB92, RP99, RSA98, vLDL98]. **goal-driven** [vLDL98]. **good** [Bur96]. **grained** [RH91]. **grammar** [WW91]. **Grammars** [MC92, Hem90, Le 98]. **graph** [BDL95, EG90, LV97, Le 98, Luq90, NM94, War96]. **graphical** [ACS90, MS97a, WMS<sup>+</sup>92]. **graphs** [AM90, CCJS94, GKNV93, Mos90, Ser96]. **Gries** [NBK95]. **group** [Rei96]. **Growth** [Ano96b, LKBK91, TYOJ91]. **GSPNs** [Buc99, Kem96, Kem99]. **guarantee** [KR93]. **guaranteed** [SHH91]. **Guaranteeing** [Bur96, GHS95]. **guarantees** [MIS97]. **GUARDIAN** [LI95]. **Guest** [Ano97c, CS99, CG96, Gar98, GN99, HM99, Jaz98, LJ98, Mea96, NJ96, RW99, Son97, Raj92]. **GUI** [TMA<sup>+</sup>96]. **guide** [SO98]. **guided** [Bin97]. **Guiding** [RSA98].

**handlers** [Gov93]. **handling** [CG92, FGH<sup>+</sup>94, SLvH92]. **hard** [AS97, HKL94, SZ92, SG91, SHH91, XP93a, XP93b]. **hard-real-time** [SHH91, XP93a, XP93b]. **Hashing** [LRLH91]. **Heap** [Gra91]. **Heap-filter** [Gra91]. **heterogeneous** [CP91, HBRY91, SK91]. **heuristic** [Kun91]. **HI** [HTI90]. **HI-VISUAL** [HTI90]. **Hierarchical** [Buc99, HM95, KIR<sup>+</sup>99, NM94, HL96, Muh91, SGCT90]. **hierarchically** [CB94]. **hierarchy** [DMW<sup>+</sup>95]. **High** [KMR91, BBH93, BMB99, GMMP91, LC92, RMSF91, YD92]. **high-level** [BMB99, GMMP91]. **high-risk** [BBH93]. **higher** [ACG93, Cam90]. **highlights** [BPWC90]. **highly** [FC99]. **history** [NK91, NAT93]. **Hoffman** [Con90]. **homogeneous** [GAF91, Rom91]. **hookup** [McC90]. **hopCP** [AG94a]. **horizontally** [SI91]. **human** [YS93]. **hybrid** [CDIY90, HW90, TWJ92, YD92]. **Hypercharts** [PMdO99]. **hypercube** [BB90]. **hypergeometric** [TYOJ91]. **hypermedia** [PMdO99]. **hypertext** [Ost95].

**I/O** [GSM<sup>+</sup>95]. **IC** [AG94a]. **iconic** [DCN93, HTI90]. **Identification** [VV96, TGC90]. **Identifying** [MM90, SR99, BBH93, TC95]. **Identity** [KM92]. **IEEE** [Ano95, Ano96a, Ano97a]. **II** [LJS<sup>+</sup>90]. **image** [DCN93]. **impact** [RGRF98, RGRF01, YSW<sup>+</sup>01]. **imperfect** [ABK94]. **Implementation** [KM92, AL95, CDOT97, Das92, Das93, FR96, NY90, RGRF01, TMC99]. **implementations** [SPL96]. **implemented** [ACD98, GSW92]. **Implementing** [CMSW93, SG90, WB97, HP91, LR95, RGRF98, YSW<sup>+</sup>01]. **implications** [CMBC93, DC96, KK99, PC90]. **imposition** [Min91]. **improve** [Ebr99]. **improved** [GS99, Wan96, Yad90, YLN88]. **improvement** [BHT<sup>+</sup>93, Che96, FF96, MRF<sup>+</sup>98, WR94b]. **improvements** [FW93c, Kar90b]. **Improving** [BSV96, KP92, BFL<sup>+</sup>95, ECK<sup>+</sup>91, FN98]. **in-place** [CVW98]. **In-process** [CHBC93, CBC<sup>+</sup>92]. **including** [SW93]. **Inconsistency** [FGH<sup>+</sup>94, GHM98, RP99, SSV99]. **inconsistent** [Pik06]. **Incremental** [BB91, HKR90, Shi93, BR90, MK93, RLP90]. **independence** [Bou94, GD93]. **Independent** [Tri96]. **Index** [Ano95, Ano96a, Ano97a, Ano97b, Ano98a].

**indexes** [BP90]. **indicators** [BBM96].  
**indices** [Fal92, FM94]. **individual** [HS91b].  
**induction** [LSY94]. **industrial**  
 [BFL<sup>+</sup>95, CGR95, GPS96, KM97, LSHZ94,  
 LOHS98a, LOHS<sup>+</sup>98b, MVD96]. **industry**  
 [Sta93]. **infeasibility** [BF93]. **inference**  
 [FTTV96]. **Inferring** [vLW98]. **influence**  
 [Gut99, Kun91, Sat92]. **influences** [HW91].  
**Informal** [FKV91, HW94, MH91].  
**Information**  
 [HBRY91, AHSR93, AB94, BLS91, Cha90b,  
 CNR90, FG97, HJR91, HR96, Lus94, MBK91,  
 PW92, RW97, RMSF91, SL92, WW90].  
**inheritance** [Edw97]. **injection**  
 [AAA<sup>+</sup>90, KIT93]. **inlining** [DH92]. **input**  
 [FL97, Tia95]. **inputs** [Gra91]. **insider**  
 [Zav91]. **inspection**  
 [CHBC93, Che96, Ebr97, SB98].  
**inspections** [PVB95, PSTV97]. **inspire**  
 [HT90]. **instantiated** [QHK91].  
**instrumentation** [WRH98]. **integrated**  
 [BS91a, FGNR92]. **Integrating**  
 [Tia95, VS95]. **Integration**  
 [DFKM98, LCK98, SR93]. **integrity** [SD98].  
**Intel** [SPL96]. **intelligence** [HNUI94].  
**intelligent** [HRPL<sup>+</sup>95, NBK95, TM98].  
**intensive** [AG94a, CCTCR92, War96].  
**interaction** [DFP98, KK98, LLG98].  
**Interactions** [LJ98, TM98]. **interactive**  
 [Ell99, SLvH92, VAA99, You97].  
**interconnected** [JR99]. **interconnection**  
 [RS94]. **Interface** [Eng99, CER90, CL95,  
 MMM<sup>+</sup>97b, NAT93, Sea93, SMS99].  
**interfaces** [Con90, Eng99, HO90, Hof90,  
 LS94, MS97a, NHWS92]. **Internet** [RP93].  
**interoperation** [GQ96]. **interpretable**  
 [BBH93]. **interpretation** [RM93].  
**Interprocedural** [PLR94, HM93].  
**Interprocess** [BDV91]. **interval** [Sin91].  
**intralevel** [CPKM94]. **Introducing**  
 [CHB92, DK94]. **Introduction**  
 [Ano97c, CS99, CG96, DS97a, FH97, FT98,  
 JKS98, Jaz98, McH96, Mea96, NJ96, RG98,  
 Son97, GN99, HM99, Raj92, RW99, Gar98].  
**intrusion** [IKP95, JO97, PZC<sup>+</sup>96].  
**Invariant** [KS91]. **Invariant-based** [KS91].  
**Invariants** [BR95]. **investigation**  
 [AHSR93, Wan96]. **Issue**  
 [Ano98b, DS97a, JKS98, Raj92, RG98].  
**issues** [BG91, GQ96, HNR99, MMM95].  
**iteration** [SV92, Sta95]. **iterative**  
 [BR90, MT96]. **iterators** [Lam90, WEHL94].  
**J** [Foo93, Gir93, XP93a, YLT93]. **Jade**  
 [RP93]. **job** [LR92]. **jobs** [SLL93, SGL97].  
**join** [Gra91]. **joining** [Gra91]. **judgment**  
 [AHSR93].  
**Karam** [YLT93]. **KAT** [LKBK91].  
**Kemerer** [HM96]. **kernel**  
 [DFP98, KZB<sup>+</sup>91, HP91]. **key** [SD98].  
**KIDS** [Smi90]. **KLAIM** [DFP98].  
**Knowledge** [FH92, SR92, AEHB96, BSL99,  
 EDRM90, HJR91, JFH92, LKBK91, RF92,  
 SI91, TWJ92]. **knowledge-based**  
 [AEHB96, HJR91, SI91].  
**L** [XP93a]. **L.0** [Nes93]. **Language**  
 [Gri94, MDC92, ACS90, ABBC99, BL94,  
 BKT92, BA99, BCD97, BdS96, CRL99,  
 Cha90b, CGP<sup>+</sup>90, DFP98, DT94, Ell99,  
 GGH90, HLR92, HC90, JM94, KS94a,  
 KS99b, KLB93, LR95, LS91, LJS<sup>+</sup>90, LV95,  
 MCB90, NS91, Nes93, OO90, RM93, Shi93,  
 SSM90, WMS<sup>+</sup>92]. **language-based** [Shi93].  
**languages** [Eng99, FKV91, Gov93, RS94,  
 TMC99, TVC94]. **Larch**  
 [Che98, GGH90, Win90]. **large** [CAB<sup>+</sup>98,  
 DM94, DK94, GCB<sup>+</sup>98, Lev90, MRF<sup>+</sup>98,  
 PSTV97, TBH91, TLP95, Tri96, VV96].  
**large-scale** [Tri96]. **large-system**  
 [MRF<sup>+</sup>98]. **late** [vG91]. **latency**  
 [WS90, YZM97]. **law** [KH92b]. **layered**  
 [GL92]. **layering** [ZEWH95]. **Layers**  
 [RS95, RF92]. **Layout** [Sea93]. **LBC** [LR92].  
**leader** [FC99]. **learned** [MWB99].  
**Learning** [TM98, KSH<sup>+</sup>92, SF95]. **least**  
 [LM95]. **length** [CDM95]. **Lessons**

[NOTS98, MWB99]. **level** [BK98, BMB99, CMBC93, GMMP91, LC92, PLR94, QSVMG96, Ran93]. **libraries** [MBK91]. **library** [NTFT91]. **life** [ABK94, BF93]. **life-critical** [BF93]. **lightweight** [ELC<sup>+</sup>98, Fea98]. **like** [Che97, NS91]. **limited** [Dan94]. **line** [DJC94, ESS92, GJB96, WRH98, WLS97]. **Linear** [SM94, HL91, Liu98, Ves94, Vos91]. **lingua** [Tay92]. **Lipton** [Foo93]. **Lisp** [KM97]. **LISPACK** [IM93]. **list** [Ano99]. **Literate** [Ost95]. **liveness** [SY93]. **LL** [Shi93]. **Load** [LRLH91, AG91, AW95, BDV91, HWR99, Kun91, LR92, Rom91, SS95b]. **load-balancing** [LR92]. **local** [FC99, HMRS98]. **locality** [CDY92]. **location** [KS94b, TT95]. **location-based** [TT95]. **locking** [EG90, HD91, TR90, TR91, YD93]. **logarithmic** [CS94]. **logging** [AM98]. **logic** [AL95, Cam90, CCdC92, CCdC93, Han95, KB91, KM97, Nes93, Par93, SR98, Tay92, YLT93]. **logic-based** [CCdC92, CCdC93, KB91, YLT93]. **logic-synthesis** [AL95]. **logical** [Aud97, FMM94]. **Logres** [CCTCR92]. **look** [ND90]. **Loop** [SG95, Bis90]. **loops** [AEHB96, Kau90, Tow86, Tow90]. **LOTOS** [HvB94, PF90]. **Lower** [AM90]. **LRU** [GS93]. **luck** [DIM95]. **lumpable** [FM94]. **LUSTRE** [HLR92].

**M** [YLT93]. **Machine** [SF95, IW95, KSH<sup>+</sup>92]. **machines** [KMR91, LvBP94, Sha92]. **maintaining** [KH92a, LMR92]. **Maintenance** [WH92, CB93, CER90, GL91, GK91, HM93, Jor95, PC90, Raj92, Sch99, VV96]. **Maisie** [BL94]. **Making** [BW94, DF98]. **management** [BB93, CGZ91, GHM98, HBRY91, KM90b, LMM96, LS99, WF93]. **manager** [ND90]. **Managerial** [CDK98]. **Managing** [EFM<sup>+</sup>99, LJ98, RP99, SSV99, WSY91, vLDL98]. **manipulation** [Gri94, MDC92, NJ91]. **manufacturing** [HYT91]. **MAP** [Mor90b]. **maps** [Buh98]. **marked** [CCJS94, Ser96]. **marking** [War96]. **Markov** [Bou94, CM96, SNH93, WT94]. **masking** [AK98b]. **masses** [Fin96]. **massively** [AG91]. **Mathematical** [Fin96, Di 93]. **Mawl** [ABBC99]. **maximally** [Qin93]. **mean** [Ser96]. **meaning** [GN95]. **meaning-preserving** [GN95]. **means** [HLR92]. **measure** [Har92, TZ95]. **Measurement** [BMB97, KPF97, WS90, AR96, BMB96, BDW99, Das92, Das93, Fen94, HM96, KP92, KPF95, MBB<sup>+</sup>97, Nov95a, PDB<sup>+</sup>97, TLP95, WH94, YZM97, Zha91, Zus97]. **Measurements** [HW89, Kar90a, CBC<sup>+</sup>92]. **Measures** [SS95b, BS96, BMB99, CS91, Ebe92, KMBR92, LJS91, MRF<sup>+</sup>98]. **Measuring** [BO94, BK98, KK99, MS97b, Sch99, LC92]. **mechanical** [BH98]. **Mechanically** [Gol90]. **mechanism** [TFCB90]. **Mechanizing** [Cam90]. **mediator** [SKN96]. **medium** [Gra91, VMC90]. **medium-size** [Gra91]. **Meet** [Qin93]. **meetings** [PJ97, SB98]. **membership** [Rei96]. **Memory** [DS90, Bur96, GGJ<sup>+</sup>90, GW92, KH92a, Zha91]. **merge** [Gra91]. **Message** [AM98, TMA<sup>+</sup>96]. **message-based** [TMA<sup>+</sup>96]. **messages** [De 90]. **meta** [NJ91]. **meta-rules** [NJ91]. **metadatabase** [HBRY91]. **metaphors** [RC90]. **metaprogramming** [LZ95]. **Method** [RS95, BC90, Che86, De 90, GS99, Hir90, HW94, KdBMD91, KR93, LRF95, LvBP94, MKH97, PS93, SKN96, YG90]. **methodologies** [SO94]. **Methodology** [Sch92, AAA<sup>+</sup>90, AB94, CDOT97, EH91, IM93, LLG98, LOHS98a, LOHS<sup>+</sup>98b, MS91, NBK95, PZC<sup>+</sup>96, RGFR98, RGRF01, YSW<sup>+</sup>01]. **methods** [ACJ<sup>+</sup>96, Cor96a, CGR95, DMW<sup>+</sup>95, ELC<sup>+</sup>98, Fea98, FP94, FW93b, FHLS98, GPS96, Haa99, PVB95, Sea99, TC95, VV93].

**metric** [Sea93]. **metrics** [BKWZ94, BBM96, CK94b, CDK98, CSCK95, DB98, GBB90, HCN98, HM96, RLL93, Sch92, Sch99]. **Microsoft** [SMS99]. **MIDAS** [BS91a]. **military** [MVD96]. **Millo** [Foo93]. **mine** [MH92]. **Minimizing** [BC99]. **Miro** [HMT<sup>+</sup>90]. **Misra** [De 90]. **misuse** [HL93]. **Mixed** [RC90]. **mobile** [MR98, WB98, WF98]. **Mobility** [Ano98b, DFP98, FVP98, WR96]. **mode** [BPWC90]. **Modechart** [JM94]. **Model** [Ano96b, BCY01, Bar95, CAB<sup>+</sup>98, AJ93, AG93b, BFG93, Bos95, BBC96, BC95, CS94, CCH96, CM96, CGK98, Dro95, FF96, HT96, HKL<sup>+</sup>98, Hol97, IW95, JC93, JO97, KH92a, LP98b, LS90c, LDS<sup>+</sup>90, Luq90, Mad92, ML95, MC97, Nic90, PN97, PC90, RS94, RT93, RC90, Sah92, Sch93, TYOJ91, VT92, WW90, WT94, Woo95, SMS99]. **model-oriented** [Nic90]. **Modeling** [BFL<sup>+</sup>95, BD91, CB93, HYT91, NG90, SGCT90, Smi91, TMT93, WRH98, DA91, ELC<sup>+</sup>98, Ell99, HM95, KIR<sup>+</sup>99, KMBR92, LKBK91, LK92, LS91, Lev90, LB94, PA91, Puc92, RM93, RSA98, SSM90, TLP95, Zha91]. **Models** [PK91, ADS99, BA93, BBH93, BCLS90, CBS99, Cug98, Ebr99, FMM94, FN99, FvBK<sup>+</sup>91, HGR92, HZO98, HWR99, Jor95, KWM92, LB91, MT96, MRT91, MK92a, MMM<sup>+</sup>97b, MS99, NvS90, OB92, Sar95, SNH93, Tia95, VAA99, Ves94]. **modern** [CMS98, DR93]. **modes** [FF96]. **Modified** [SLL93]. **Modular** [BDM96, EHO94, BA93, LCK98]. **modularization** [Yad90]. **Module** [Hou90, Con90, Hof90, HS91a, RS94]. **modules** [CDS99, LS94, NTFT91, OA96, SR99, WP94]. **monitor** [HW90]. **monitoring** [BPV94, HS90, KIT93, LC92, ODK99, TFCB90, WSY91]. **monitors** [RP99]. **monotonic** [SLL93, SG95]. **MOOD** [HCN98]. **Moore** [Gol90]. **motion** [GH95]. **Motorola** [Das93, Das92]. **multiagent** [CTV<sup>+</sup>98]. **multicast** [Dan94]. **multicomputer** [AG91]. **multiframe** [MC97]. **multigraph** [CCHK90]. **multilevel** [CB99, LS90c, McC90]. **multimedia** [Ell99]. **multiparadigm** [ZJ96]. **multiperspective** [FGH<sup>+</sup>94]. **multiple** [GHM98, GAF91, HO90, HL91, Kau90, NKF94, Tow86, Tow90, VS95]. **multiple-view** [GHM98]. **Multiprocessor** [Xu93, BS91b, GGJ<sup>+</sup>90, GST91, LS95, SK91, YZM97, Zha91, ZQ91]. **multiprocessors** [BB90, CMS96, DS90, GW92]. **multitolerant** [AK98a]. **Multiversion** [IKK90, NG90]. **mural** [FEG92]. **mutation** [OL94]. **navigation** [UGB93]. **necessary** [Fen94]. **need** [SWO97]. **needed** [Sar95]. **Negotiated** [NHWS92]. **negotiation** [SMS99]. **nested** [Aud97]. **net** [CMBC93, CGL94, DC96, FMM94, GMMP91, MT96, Smi92, WK90]. **net-based** [MT96]. **nets** [BDM96, BG91, BD91, Bou94, BV95, CCS91, CMBC93, CNT99, DS98, Fer99, FN91, FM94, Gae96, GDG92, Haa99, HYT91, HT91, LCK98, LSY94, Liu98, NM94, PC92, Suz90, SSM90, TYC95]. **Network** [Ano98b, BG98, BDV91, FN91, Gai91, HGR92, HP91, KML96, Pek92, PA91, Rom91, SL92]. **Network-Aware** [Ano98b]. **networks** [CGP99, IKWZ90, LS90c, NWPM95, QsvMG96, TM98, WSY91]. **neural** [HGR92, KSH<sup>+</sup>92, MS92, Smi92, SL92, WS92]. **No** [Sar95, MMN<sup>+</sup>92, RT90]. **no-waiting** [RT90]. **nondeterministic** [LvBP94]. **nonfunctional** [MCN92]. **noninterference** [TFCB90]. **nonlinear** [TVC94]. **nonmasking** [AK98b]. **nonrandomness** [Fel90]. **nonregenerative** [Haa99]. **nontraditional** [SS91]. **normalization** [Amm92]. **notation** [Fin96, LS90a]. **notations** [BR95]. **note** [HH97, Pik06]. **null** [De 90]. **NUMA** [ZQ91]. **number** [AM90, CY96, Ebr97].

**numbers** [Vos91]. **Numerical** [Kem96].

**O** [GSM<sup>+</sup>95]. **Object**

[KM92, LX93, SMS99, ADS99, BBM96, BA99, BBC96, BC95, BMB99, BDW99, CK94b, CDK98, CCK95, CHB92, DK94, HCN98, HS97, HNUI94, Lar90, LMR92, MCB90, MM90, SPL98, SD98, WH92].

**object-based** [BMB99]. **Object-oriented**

[LX93, BBM96, BDW99, CDK98, CHB92, HCN98, HS97, HNUI94, Lar90, LMR92, MCB90, WH92]. **Objectcharts** [CHB92].

**objectives** [Hel93]. **Objects** [KM92, HO90, IK96, Mil90, Mos92, SVK97, Win90].

**obligations** [CPKM94]. **Observer** [DJC94].

**office** [DZ90]. **Offutt** [Gir93]. **on-line**

[DJC94, GJB96, WRH98, WLS97].

**On-the-fly** [DS98]. **online** [HYT91].

**ontological** [WW90]. **open** [Min91].

**operation** [Mor90b]. **operational**

[LW97, ODK99, vLW98]. **operations** [ZJ96].

**opinion** [CS94]. **opportunism** [Sen97].

**Optimal** [BP90, Gut95, IKWZ90, Mul90,

PS93, AM98, BU91, DKKP91, Fal92, GDT92, KH92b, RCGF97, Sch93, Sin91].

**optimistic** [AM98, HD91]. **Optimization**

[BA93, BJ91, Pek92, Sar95, SS91].

**optimized** [BBH93]. **optimizing** [SS95a].

**OR-tree** [LW90]. **oracles** [PP98]. **Orca**

[BKT92]. **order** [Cam90, GPS96, HG99].

**organization** [SB98]. **organizing** [Yad90].

**orientation** [DK94]. **oriented**

[BBM96, BDW99, BLW90, CK94b, CDK98, CCK95, CHB92, CG92, ESS92, FGNR92, GS99, GDT92, HCN98, HS97, HNUI94, Lar90, LMR92, LX93, MS91, MCB90, MWB99, MCN92, Nic90, OB92, WH92].

**Orthogonal** [CBC<sup>+</sup>92, RS96]. **OSI**

[Kar90a, HW89]. **OSI-style**

[Kar90a, HW89]. **output** [BKWZ94].

**overhead** [HW89, Kar90a]. **owned** [Mut92].

**packaging** [CP91]. **page** [WF93]. **PAISley**

[Zav91]. **papers** [FHLS99]. **paradigm**

[JR99, TT95, WEHL94]. **paradigms** [VS95].

**Parallel** [Pek92, AG91, BKT92, Bar90, BB93, BLW90, Bur96, GS90a, GDG92, IM93, JR99, KH92b, LRF95, LW90, LSB94, PC92, PA91, Qin93, SD90, SB99, YPV91, ZQ91].

**parallel/distributed** [PC92]. **parallelism**

[Aud97, GD93, GS90b]. **parallelization**

[WS97]. **parameters** [HvB94, TYOJ91].

**Parametric** [BDL95]. **Parnas** [XP93a].

**parsers** [HKR90, SLvH92]. **Parsing**

[TVC94, BB91, CDOT97, SD90, Shi93].

**partial** [GPS96]. **partial-order** [GPS96].

**partially** [ACD98].

**partially-implemented** [ACD98].

**Partition**

[Gut99, HT90, CY94, Han95, TDN93, WJ91].

**partitioning** [CI93, CY90]. **partly** [LM90].

**Pascal** [NS91]. **Pascal-like** [NS91]. **Passive**

[ACG93]. **Passive-space** [ACG93]. **path**

[BM94, Hal95]. **paths** [PZ95]. **pathwise**

[Hua90]. **pattern** [BBT92]. **patterns**

[Dev95, PP94]. **payment** [AB96].

**per-object** [BA99]. **Performance**

[CB99, DR93, GDG92, GAF91, Liu98, Mor90b, RT90, SS95a, TR91, YD93, Zha91,

ZQ91, ACG93, EG90, FM94, GW92, HW90,

HNUI94, HWR99, IM93, KSH<sup>+</sup>92, KMR91,

Ran93, RMSF91, SW93, Woo95]. **periodic**

[CS92, GHS95, PSA97, SLL93]. **Persistent**

[KM92, Mos92]. **perspective** [HM96].

**pessimistic** [AM98]. **Petri**

[BD91, Bou94, BV95, CCS91, CMBC93,

CGL94, CNT99, DS98, DC96, FMM94,

Fer99, FN91, Gae96, GMMP91, GDG92,

Haa99, HYT91, HT91, LCK98, LSY94, Liu98,

NM94, PC92, Suz90, SSM90, TYC95, WK90].

**phase** [TR91]. **philosophers** [KM90b].

**physical** [CY90]. **Pictorial** [SL92].

**pictures** [Lam95]. **PIE** [Voa92]. **pipelined**

[GW92]. **place** [CVW98]. **places** [WR96].

**Planning** [HZO98, GCB<sup>+</sup>98]. **Playground**

[GSM<sup>+</sup>95]. **point**

[JLB93, KP92, MT96, RLL93]. **pointers**

[CB93, Kar90b, PLR94]. **points**

[AR96, LJ90, MBM94, MRT91]. **Poisson** [CS94, Sah92]. **policies** [CB93, KS94b]. **policy** [Bos95, CS92, LR92, LS99, RT90]. **policy-based** [LS99]. **port** [SVK97]. **port-based** [SVK97]. **possibilistic** [McL96]. **possibly** [BC90]. **postconditions** [BR95]. **potential** [SS95b]. **PQL** [Jar98]. **practical** [Das92, Das93, KL94, Ros95, SWO97]. **practice** [AN96, Bar95, LSHZ94]. **Pre** [CDM95, AS97, SG91]. **Pre-run-time** [CDM95, AS97, SG91]. **precedence** [AM90, XP90, Xu93]. **Precise** [PMI94]. **Predicate** [Par93, BG91, Kar90b, ROS98, Tai96]. **predicate/transition** [BG91]. **predicates** [HMRS98, VD95]. **predict** [RW97]. **Predicting** [HS91b, OA96]. **Prediction** [KWM92, FN99, Jor95, KdBmDS91, ZQ91]. **Predictive** [KMBR92]. **preemptive** [CW90, RCGF97]. **presence** [WR96]. **presentation** [Jac91, JFH92]. **preserving** [GN95]. **preventing** [YG90]. **prevention** [Bar90]. **price** [ZA91]. **primary** [HT93]. **primary-site** [HT93]. **primitives** [BDS93]. **priority** [BTW95, HKL94, KAS93, LS95, RCGF97, Ves94, WM95]. **Prism** [MS91, SKN96, Mad92]. **Prism-methodology** [MS91]. **privately** [Mut92]. **probabilities** [ML95]. **probability** [MMN<sup>+</sup>92, Rom91]. **problem** [BMR95, HS93, KK98, KM90b, LMM96]. **problems** [EH91, TDN93]. **procedure** [BMR95, CCHK90, Kit98, PT98]. **procedures** [Nov97]. **process** [ADS99, BFG93, BFL<sup>+</sup>95, BHT<sup>+</sup>93, BPV94, CHBC93, CB94, CM96, Che97, CBC<sup>+</sup>92, CGL94, Cug98, JC93, JLHM91, JO97, KM90a, KK99, KB95, LHHR94, LJ90, MS91, MK92a, MCN92, Sch99, Sen97, SSV99, SO98, TBH91]. **process-control** [CB94, JLHM91, LHHR94]. **process-oriented** [MS91, MCN92]. **processes** [AR96, CNW90, CVW98, EJ90, GHS95, HT91, SO98, VAA99, VV96, XP90, Xu93]. **processing** [CDIY90, CDY92, DKKP91, KH92b, ZQ91]. **processor** [Bar95, GST91, Kau90, Tow86, Tow90]. **processors** [AM90, CGP99, GAF91, LR95, LBJ<sup>+</sup>95]. **product** [Dro95, FN91]. **production** [CCdC92, CCdC93, GS90a, Hu97, PKJH99]. **productivity** [BSV96, GK91, HS91b, MVD96]. **profiles** [Hal95]. **Profiling** [RLP90]. **Program** [Han95, KNE92, ACG93, BC90, CCF94, DH92, Dev95, Eng99, GL91, Gri94, GN95, HT90, HM93, HC90, HW94, Jar98, Kor97, LV97, LC92, MW92, MDC92, MW90, NTFT91, PP94, PP96, PP98, PC90, Smi90, VF92, WR94b]. **Programmer** [RWG90, GSM<sup>+</sup>95]. **Programming** [HLR92, NS91, BKT92, Bis90, BLW90, CCTCR92, GH91, Gov93, HTI90, How90, JR99, LJS<sup>+</sup>90, Liu98, MKH97, MR98, MWB99, Ost95, RC90, Ros95, Tay92]. **programs** [Aud97, Bar90, BM94, Bur96, CT98, CB94, Che98, Cor96b, Dil90, GH95, GPS96, Gol90, GMP90, Hua90, KSB89, Kau90, Kor97, LMR92, LSB94, LB94, MO90, Mos90, Muh91, MK92b, PMI94, Qin93, RGB93, SB99, Sta93, SHH91, TCO91, Tai96, TLK92, Tow86, Tow90, TVK90, VD95, WM95, WF98, WH92, Yad90, YD95, YPV91]. **project** [AHSR93, SS97, TBH91]. **Projecting** [AE92]. **projection** [Che86, Hir90]. **projects** [LSHZ94]. **projects-bridging** [LSHZ94]. **prolegomena** [ORSvH95]. **Prolog** [DW90, DA91, HS91a, Kar90b, NJ91]. **Prolog-based** [NJ91]. **prone** [MK92b, OA96, SB91]. **Proof** [CKA93, Sto94, CPKM94]. **Properties** [BMB97, LJS91, Dil90, FMM94, FG97, Jac91, McL96, PZ91, PDB<sup>+</sup>97, VMC90]. **Property**

[BMB96, BMB97, PDB<sup>+</sup>97, Zus97].

**Property-based**

[BMB96, BMB97, PDB<sup>+</sup>97, Zus97].

**Protean** [BCD97]. **protection** [WC90].

**protocol** [Che86, Hir90, HR98, LR97,

Ran93, Rei96, Suz90, SSM90]. **protocols**

[AN96, Aba97, CRL99, CDY92, HT96,

HP91, Kai96, KM99, MYK94, Min91, Nes93,

Sch98, VMC90]. **prototype** [BPWC90].

**Prototyping** [BPV94, LSHZ94, BLY93,

CCTCR92, KLB93]. **Provable** [FW93c].

**prover** [Che98, Gol90, KM97]. **Proving**

[FMM94]. **Prudent** [AN96]. **pump**

[KML96, MH92]. **purpose** [KR95]. **PVS**

[ORSvH95, ROS98].

**QBD\*** [ACS90]. **QBE** [YS93]. **QDA**

[HW94]. **Qualitative** [Sea99]. **Quality**

[FF96, BMB96, Dro95, KMBR92, MIS97,

MA93, WH94, ZEWH95].

**quality-of-service** [MIS97]. **quantification**

[WMS<sup>+</sup>92]. **quantifying** [BF93].

**quantitative** [JO97, ODK99]. **quasi**

[FM94]. **quasi-lumpable** [FM94]. **queries**

[QHK91, TVK90]. **Query**

[SS91, ACS90, GD93, PP96, WMS<sup>+</sup>92].

**Querying** [NP92, DCN93]. **queue** [LS95].

**queueing** [FN91]. **queues** [Joh95]. **quorum**

[MYK94].

**R** [Foo93, Gir93, YLT93, KdBMD91]. **race**

[KB90]. **races** [KSB89, MO90]. **random**

[CY94, CM96, CY96, CW90, Gut99, HS90,

SL92, TDN93, Vos91]. **randomly** [SK91].

**Rapid** [Fea98, WF93]. **Rapide** [LKA<sup>+</sup>95].

**rate** [BC90, CW90, Hel93, SLL93].

**rate-monotonic** [SLL93]. **ratio** [MvMS93].

**reachability** [CGK98, NM94]. **reactive**

[ACJ<sup>+</sup>96, BA99, CGP99, HLN<sup>+</sup>90]. **reader**

[Joh95]. **reader/writer** [Joh95]. **Real**

[Ano97d, AS97, ACD98, BS91b, BTW95,

BF93, BC99, CBMW93, CSL91, FMM94,

FL97, GL92, GH95, GHS95, HS90, HLR92,

HS93, HKL94, HPW98, HNUI94, Hou90,

JLHM91, JM94, KS94a, KLB93, KS93,

LS90b, LS95, MC97, NSY92, PSA97, Qin93,

RRH93, SZ92, Sha92, SG91, SVK97,

SMYP99, SHH91, TFCB90, TYC95, WS90,

XP93a, XP93b, YMST99]. **Real-time**

[Ano97d, AS97, ACD98, BS91b, BTW95,

BF93, BC99, CBMW93, CSL91, FMM94,

FL97, GL92, GH95, GHS95, HS90, HLR92,

HS93, HKL94, HNUI94, Hou90, JLHM91,

JM94, KS94a, KLB93, KS93, LS90b, LS95,

MC97, NSY92, PSA97, Qin93, RRH93, SZ92,

Sha92, SG91, SVK97, SMYP99, TFCB90,

TYC95, WS90, YMST99]. **reality** [CGR95].

**realizations** [EHO94]. **realtime** [CPGK97].

**Reasoning**

[WR96, Cha90b, FH92, MW90, RF92, SR92].

**reasons** [vG91]. **Recalibrating** [BCLS90].

**recapture** [VV93]. **recently** [LM95].

**recognition** [BBT92, KNE92].

**reconfigurable** [SVK97]. **Reconfiguration**

[VAA99]. **record** [Chu91]. **recovery**

[HPR<sup>+</sup>97, KB95, LW92, MRT91, NvS90,

NG90, Puc92, RS93, TMT93, Tri96, WF93].

**recursion** [ACS90, SV92]. **recursions**

[HL91]. **redistributing** [GS90b]. **reduce**

[CDM95]. **Reducing** [De 90, KK99].

**reduction** [Bin97, BBH93]. **redundancy**

[BJ91, ECK<sup>+</sup>91]. **Reference**

[Ano96b, CTV<sup>+</sup>98]. **references** [GW92].

**refinement** [GH95, Hal95, MH92, MMM97a,

MQR95, PZ91, RW94]. **Refining**

[BMB97, PDB<sup>+</sup>97]. **Reflections** [LZ95].

**Regeneration** [AT93, HH97]. **Region**

[GS90b, LRF95]. **regional** [CDY92].

**regression**

[Bin97, MS99, RW97, RH96, RH98]. **regular**

[BG91, KS99b, Lus94]. **rejection** [CW90].

**related** [FN98]. **relation** [Zhu96].

**relational**

[CI93, CY90, Fal92, LS90a, MM90, NJ91,

TVK90, Wan96, YLN88, YCHL92].

**relations**

[MC92, SPL98, SI91, SWO97, XP90, Xu93].

**relationship** [BDS93, CY94, MM90].

**relationships** [NK91, NKF94, PZ95].

**RELAY** [RT93]. **release**

[SGL97, XP90, Xu93]. **relevant** [Smi91].

**Reliability**

[Lev90, Ada96, ABK94, AB96, BJ91, BA93, BCLS90, BF93, ECK<sup>+</sup>91, FHLS98, HZO98, KdBmS91, KL94, KWM92, KP92, LKBK91, LK92, Sah92, Sar95, Sch93, Sch99, Tia95, TLP95, TYOJ91, TDN93, ZA91].

**rely** [KR93]. **remaining** [Ebr97]. **remarks** [DMW<sup>+</sup>95]. **remote** [JR99, Mor90b, SG90].

**rendezvous** [NWP95]. **reorganization** [CB99]. **replacement** [CCH96].

**replacements** [MK93]. **replay** [TFCB90].

**replicated** [KM99, PVB95, Sin90].

**replication** [TT95]. **Reply** [KPF97, Zus97, Con90, DMW<sup>+</sup>95, Hir90, YSW<sup>+</sup>01]. **report** [ACJ<sup>+</sup>96]. **Repository** [BKZ93, BKWZ94].

**repository-based** [BKWZ94].

**Representation**

[Edw97, JFH92, DC96, FH92, FP94, HM93, NJ91, RF92, SR92, TWJ92].

**representations**

[Nov95b, QSvMG96, SWO97].

**Representing** [MCN92, OB92].

**requirement** [DFPT90, TWJ92].

**Requirements** [CRCK98, HPW98, LF91, LHHR94, AG93b, BW94, DS97b, ELC<sup>+</sup>98, FKV91, GHS95, HRS98, HL96, HKL<sup>+</sup>98, JLHM91, JFH92, LCK98, LB91, Moo90, MCN92, NKF94, PVB95, Qin93, RD92, Ran93, RRH93, RW91, RP99, SM98, SMMM98, vLW98, vLDL98, RW91].

**research** [MMM95]. **resilient** [IKWZ90].

**resolution** [KS94c, LF91]. **Resource** [HT93, BB93, CSL91, GHS95, SGL97].

**resource-based** [GHS95]. **resources**

[HBRY91, Qin93]. **Response**

[BC96, BMB97, RGRF01, WM95, BC99, CSL91, Gai91]. **Response-time** [WM95].

**restricted** [HvB94]. **restructuring** [GN95, GCB<sup>+</sup>98]. **resulting** [AW95].

**results** [KH92b, PJ97]. **retrieval** [Cha90b, MBK91, SL92]. **retrieving**

[MMM97a]. **retrospective** [KZB<sup>+</sup>91].

**Reusability** [Di 93, BLW90].

**reusability-oriented** [BLW90]. **reusable**

[FP94, HW91, IK96, LV97]. **reuse** [BKZ93, BKWZ94, CL95, FF96, HR96, LL97, NHWS92, Nov95b, Nov97, RS96, Sen97].

**Reusing** [MMM95]. **reveals** [MMN<sup>+</sup>92].

**reverse** [CCdC92, CCdC93]. **review** [PJ97].

**reviewer** [Ano99]. **revisited** [Aba97].

**reward** [MT96, QSvMG96]. **rewriting**

[AG94b, CCH96, WP94]. **rigorous**

[BGRS91, RM93]. **rings** [FD94, LSY94].

**RISC** [LBJ<sup>+</sup>95]. **risk** [BBH93, Sch99].

**robustness** [MS97b]. **role** [Sen97]. **rollback**

[RS93]. **Rough** [WW91]. **RPC** [HR94b].

**RSF** [DFPT90]. **RTSS'96** [Ano97d]. **Rule**

[EH91, CBMW93, IKP95, RGB93, WM95].

**Rule-based**

[EH91, CBMW93, IKP95, RGB93, WM95].

**rules** [CKA93, LW97, NJ91, Sto94]. **run**

[AS97, CDM95, SG91, TM98]. **run-time**

[TM98]. **Rushby** [Pik06].

**safe** [Edw97, RH98, YMST99]. **safety**

[Di190, FN98, HRS98, HKL<sup>+</sup>98, Jac95, LW97].

**safety-critical** [Jac95]. **SARA** [LB91].

**satisfying** [XP93a, XP93b]. **save** [LDvB94].

**Scalar** [GW92]. **scale**

[PSTV97, Sat92, Tri96, VV96]. **scanning**

[BB91]. **scenario** [CRCK98, SMMM98].

**scenario-based** [CRCK98, SMMM98].

**scenarios**

[DFKM98, DF98, RSA98, SC98, vLW98].

**scenes** [HPW98]. **schedulability**

[SHH91, TYC95]. **schedule** [CDM95].

**scheduler** [BS91b, DIM95]. **scheduler-luck**

[DIM95]. **schedulers**

[BTW95, IKK90, KAS93]. **schedules**

[LW92]. **Scheduling**

[XP90, AS97, AM90, BGRS91, CDM95, CW90, FL97, GST91, GS90b, HS90, HKL94, HYT91, Hel93, KS94b, PS93, PSA97, RCGF97, SZ92, SG91, SLL93, WS97, Xu93].

**schemas** [BDS93, MM90]. **scheme**



[Kun91, Wan96, YLN88, vML99]. **schemes** [BB90, Sar95, YD92]. **Schlumberger** [WR94b]. **Schnorr** [War96]. **scientific** [Fen94, HR94a]. **SDL** [LDvB94]. **search** [Dev95, IK96, LM90, PP94]. **searches** [LW90]. **SeaView** [LDS<sup>+</sup>90]. **secondary** [BP90]. **Section** [Ano97c, CS99, CG96, FH97, FT98, Gar98, Jaz98, McH96, Mea96, NJ96, Son97, GN99, HM99, RW99]. **secure** [FR96, GQ96, HT96, Ran93, Rei96, TGC90]. **Security** [FG97, Bos95, HMT<sup>+</sup>90, JO97, KZB<sup>+</sup>91, LS90c, LDS<sup>+</sup>90, McC90, ODK99, SPL96, Smi91]. **security-relevant** [Smi91]. **Seesoft** [ESS92]. **selection** [BP90, FvBK<sup>+</sup>91, LvBP94, MRT91, RT93, RH96, RH98, Sch93, TZ95]. **selectivities** [Chu91]. **self** [FD94, LCKS90]. **self-stabilizing** [FD94]. **semantic** [MW90, SD98]. **Semantically** [Fra92]. **Semantics** [Bin97, FTTV96, BBC96, BC95, KLB93, Smi91]. **Semantics-based** [FTTV96]. **Semaphore** [LS95]. **Semi** [AG91, NTFT91]. **Semi-automatic** [NTFT91]. **Semi-distributed** [AG91]. **semiautomatic** [Smi90]. **semijoins** [Mul90]. **sensitivity** [Ves94]. **Separate** [HR96]. **sequences** [BU91]. **sequencing** [CT98, OO90]. **sequential** [DFKM98]. **server** [Hem90, NWPM95]. **Service** [CD99, FC99, FR96, Gai91, Hel93, KK98, MIS97, YG90]. **services** [ABBC99, JZ98, KM99]. **set** [BBH93, Fal92, GST91, HCN98]. **sets** [KS99b]. **Seven** [RF92]. **shared** [CMS96, DS90, EHO94, GGH90, RC90, Zha91]. **shared-memory** [DS90]. **sharing** [ML95, Mut92, SS95b, SGL97]. **shotgun** [MRF<sup>+</sup>98]. **SIMD** [KMR91]. **simple** [LS91]. **Simulating** [WP94]. **Simulation** [RLL93, BS91a, CNT99, De 90, Fer99, Gae96, HGR92, KIR<sup>+</sup>99]. **simulations** [BL94]. **single** [PLR94]. **site** [HT93]. **size** [BKWZ94, Gra91, HS97, Lar90, VT92]. **slices** [Kor97]. **slicing** [GL91, LV97].

**Smalltalk** [Ost95, YD95]. **Smooth** [Ano96b, DL91, Foo93]. **SOFL** [LOHS98a, LOHS<sup>+</sup>98b]. **soft** [RCGF97]. **Software** [AHSR93, Ano95, Ano96b, BFG93, BMB97, CPDGM91, Fen94, HS97, JLHM91, JV99, KL94, KPF97, Lar90, LI95, LJ98, LDvB94, MBM94, MVD96, MK92a, NWPM95, Nov97, Sch93, SW93, WH94, YZM97, ZA91, AL95, Ada96, AE92, AG94b, AW95, BFL<sup>+</sup>95, BKZ93, BKWZ94, BJ91, BA93, BHT<sup>+</sup>93, BH98, BSV96, BBT92, BBH93, BMB96, BKL90, BCLS90, BF93, CGZ91, CHBC93, CCH96, CAB<sup>+</sup>98, CS91, CDK98, CNW90, CBS99, CVW98, Cor96a, CER90, DM94, Das92, Das93, DL91, DC95, Di 93, Dro95, DB98, Ebe92, Ebr97, ECK<sup>+</sup>91, ESS92, FN98, FN99, FGNR92, Foo93, FP94, FF96, FHLS98, Fre91, GL91, GN97, GK91, GBB90, GHM98, GJB96, Gut95, HRS98, HW91, Har92, HCN98, HR94a, HRPL<sup>+</sup>95, HZO98, HWR99, Hu97, HS91b, IW95, IK96]. **software** [JD96, Jor95, KdBMDs91, KWM92, KM90a, KS99a, KMBR92, KPF95, Kor90, KMR91, KK99, Le 98, LP98b, LL97, Lev90, LCKS90, LSHZ94, LX93, LW97, LJ90, Luq90, MBK91, MTMS92, ML95, MIS97, MS92, MMM95, MMM97a, MH91, MA93, MBB<sup>+</sup>97, MS97b, MWB99, MMM<sup>+</sup>97b, NK91, NOTS98, NG90, NP92, NM94, NHWS92, Nov95b, OA96, OB92, PC92, Par93, PZ91, PZ93, PK91, PKJH99, PN97, PC90, PDB<sup>+</sup>97, PVB95, PJ97, PSTV97, PSTS91, PJ91, Raj92, RF92, Sah92, Sar95, Sch92, Sea99, Sen97, SR92, SDK<sup>+</sup>95, SS97, SL91, Sin91, SR93, SO94, SO98, SF95, SVK97, TMA<sup>+</sup>96, Tia95, TLP95, TYOJ91, TMT93, TMN<sup>+</sup>99, TFCB90, VV93, VT92, WP94, WC90, WT94, WR94a, WR94b, Woo95, Yad90, Zhu96, Zus97, ZEWH95, vG91, vML99, Ano96a, Ano97a]. **solution** [CDS99, DS98]. **solutions** [FN91]. **solvers** [HS93]. **solving** [EH91, Sar95]. **Some** [DMW<sup>+</sup>95, LW97, VMC90, AAA<sup>+</sup>90, KH92b, PZ93, TDN93]. **sorting** [SM94].

**source** [CCDD98, Dev95, PP94]. **Space** [SB99, ACG93, MVD96]. **SPADE** [BFG93, BDF96]. **SPADE-1** [BDF96]. **SPARE** [VF92]. **Spawn** [WHH<sup>+</sup>92]. **Special** [Ano97c, Ano98b, CS99, CG96, FH97, FT98, Gar98, Jaz98, McH96, Mea96, NJ96, Son97, DS97a, GN99, HM99, JKS98, LL97, Raj92, RW99, RG98, Sar95]. **specialization** [CPDGM91, Nov97]. **specialized** [BA99]. **specific** [ABBC99, CRL99, HRPL<sup>+</sup>95, KS99b, TMC99]. **Specification** [AG94a, BLS91, BG91, Bos95, CPGK97, HS93, HDL90, Lam90, LKA<sup>+</sup>95, PC92, ACJ<sup>+</sup>96, BLY93, BCD97, CT98, CL95, EJ90, Fin96, Fra92, FKV91, GCG90, GS99, HMT<sup>+</sup>90, HR98, IW95, JM94, KR93, KS94a, LHHR94, Moo90, ND90, NKF94, PMdO99, Smi92, SC96, SSM90, TWJ92, WEHL94, WGS94, WMS<sup>+</sup>92, WK90, YG90, ZJ96]. **specification-based** [BLY93, CT98, SC96]. **specificational** [LC92]. **specifications** [BMR95, BW94, CAB<sup>+</sup>98, DFPT90, FMM94, FGH<sup>+</sup>94, GGH90, HKL<sup>+</sup>98, LDvB94, MH91, Nic90, NSY92, NTFT91, NP92, PF90, ROS98, TYC95, vLW98]. **specified** [CBMW93, TVK90]. **specify** [BDM96, NOTS98, Win90]. **Specifying** [Hem90, Jac95, Lus94, RRH93, HC90]. **spectral** [Fel90]. **speculative** [YMST99]. **speed** [BSV96]. **speedup** [SD90]. **SPiCE** [YD95]. **SPIN** [BCY01, Hol97]. **SQL** [YS93]. **Stability** [Gai91, CB99]. **stabilizing** [FD94]. **standards** [EFM<sup>+</sup>99, FN98]. **standby** [CB94]. **Starvation** [KB90]. **State** [AG93b, Hua90, IKP95, FD94, FvBK<sup>+</sup>91, HL96, LS90a, LvBP94, QSVMG96, Sha92]. **State-based** [AG93b, HL96]. **state-level** [QSVMG96]. **statecharts** [PMdO99, SR98, CHB92]. **stateful** [VAA99]. **STATEMATE** [HLN<sup>+</sup>90]. **statements** [SG95]. **states** [Nic90]. **Static** [LS90b, Jar98, OO90, WS97]. **Statically** [YMST99]. **Statistical** [HL93, Che96, Ebr97, WT94]. **statistics** [ESS92]. **steps** [Eng99]. **stepsize** [HG99]. **Stepwise** [KS93]. **Stochastic** [PA91, YPV91, Bou94, CCJS94, CDS99, CMBC93, CGL94, CNT99, DS98, FN91, FM94, GDG92, Haa99, HYT91, HT91, Liu98, MT96, QSVMG96, Ser96]. **stop** [DM94]. **stopping** [LW97]. **storage** [KP91, TGC90, WF93]. **Storing** [MMM97a]. **Strategies** [Bar90, RW97, SR93, WJ91]. **strategy** [ECK<sup>+</sup>91, FN98]. **streams** [LM95, NS91]. **strength** [KM97]. **strings** [KS99b]. **strong** [TN97]. **Structural** [TLK92, GH95, LSY94, SD98]. **structure** [CDIY90, DM90, SB91, WM95, ZA91]. **Structured** [CDS99, CB94, LM90, PMI94]. **structures** [BB93, CB93, CB99, MM90, Mil90, Puc92, QSVMG96, Sta95]. **Structuring** [BDS93, MIS97, Buc99]. **studies** [PJ97, RH98, Sea99]. **study** [AL95, AR96, ADS99, BG91, BHT<sup>+</sup>93, DH92, FEG92, FP94, GGJ<sup>+</sup>90, GW92, GSW92, KP92, LL97, LCKS90, MH92, MA93, SB98, SV92, SW93, SR93, SKN96, WRH98, Wey90, vG91]. **studying** [KS99a, MS92]. **style** [HW89, JD96, Kar90a, TMA<sup>+</sup>96]. **styles** [Le 98]. **subdomain** [CY96]. **subjectivity** [BG97]. **Subprogram** [DH92]. **subset** [Wan96, YLN88]. **subsume** [Zhu96]. **subtransport** [Ran93]. **subtransport-level** [Ran93]. **subtree** [MK93]. **Subtypes** [ROS98]. **subtyping** [ROS98]. **success** [Rom91]. **Sufficient** [MT96]. **suite** [CK94b, CSCK95, GN97, HM96]. **suites** [AW95]. **superposed** [Buc99, Kem96, Kem99]. **superposition** [LM95]. **supervised** [KSH<sup>+</sup>92]. **Support** [LMR92, MK93, Cug98, GCB<sup>+</sup>98, HJR91, HO90, LP98a, PMdO99, RUPT90, RF92, SDK<sup>+</sup>95, WH92, YZM97, vML99]. **Supporting** [BDF96, FGNR92, IK96, RD92, SMMM98, CGK98]. **survey** [BSV96, KK98].

**swapping** [HW91, WEHL94]. **switches** [OA96]. **switching** [KdBmS91]. **swizzle** [Mos92]. **SWSL** [KS94a]. **symbolic** [AHH96, CPDGM91]. **Symposium** [Ano97d]. **synchronization** [LS95, Sin90]. **synchronous** [BdS96, HLR92]. **syntactic** [DC95]. **synthesis** [AL95, BH98, Che96, EJ90, HR94b, LB91, MW92, SR92]. **synthesizing** [Wan96, YLN88]. **synthetic** [KS94a]. **system** [AG93b, BG91, BS91b, CP91, CCDD98, CNR90, CDIY90, CDFP97, DA91, DS97b, GSW92, HTI90, HR94b, Jac95, KIR+99, KdBmS91, KIT93, Kau90, KR95, LI95, LJS+90, LB91, LKA+95, MRF+98, MMM97a, Moo90, NAT93, NBK95, PS93, Qin93, RUPT90, RS93, RP93, RGFR98, Sat92, SB91, Smi90, SC98, SK91, Tow86, Tow90, TN97, TYC95, WRH98, WW90, WW91, XP93a, YSW+01, YD95]. **Systematic** [Pik06, Rus99, HW94, vML99]. **Systems** [Ano96b, Ano97d, LJ98, AS97, AT93, AG91, AHH96, AB96, ACJ+96, AK98a, AB94, ABC+91, ACDW94, ACD98, BLS91, BS91a, BKT92, BDM96, BA93, BD91, BDW99, BV95, Buh98, CMSW93, CGP99, CBMW93, CK94a, CSL91, CI93, CDY92, CPGK97, CDOT97, Cug98, DM94, DT94, DK94, DJC94, FMM94, FH92, GN97, GGJ+90, GS90a, GL92, GMMP91, GST91, GDG92, GDT92, GCB+98, HW90, HJR91, HLR92, HKL94, HLN+90, HM95, HYT91, HRPL+95, HS97, HPR+97, HNUI94, Hou90, HW89, HT93, IM93, JLHM91, JM94, Kar90a, KK98, KS94a, KH92b, KS93, LS90a, Lar90, Lev90, LHHR94, LS90b, LS99, Lus94, MKH97, MS92, Min91, Mul90, NWPM95, PLR94, PC92, PW92, PSA97, PA91, PZC+96, RD92, RJT93, RRH93, RM93, RCGF97, RGRF01, RMSF91, RvH93, SG91]. **systems** [SGCT90, Sin90, SR93, SS95b, TT95, Tri96, TGC90, TC95, WS92, WS90, XP93b, You97, YMST99]. **systems-experience** [ACJ+96].

**T** [Hir90]. **T.-Y** [Hir90]. **T9000** [Bar95]. **TAME** [OB92]. **Tandem** [LI95]. **Task** [CSL91, CER90, Jor95, MRT91]. **tasking** [Cor96b, Dil90]. **tasks** [CW90, FL97, GDT92, HS90, Hem90, MC97, PS93, PSA97, RCGF97, SZ92]. **Teamwork** [HJR91]. **Teapot** [CRL99]. **Technique** [KM92, CMS98, GKNV93, HD91, RH98, Sin90, Voa92, Yad90, ZJ96]. **Techniques** [JC93, Bis90, CMSW93, DS98, Ebe92, JLB93, KMBR92, RH96]. **technologies** [MWB99]. **Telecommunications** [LJ98, JZ98, KK98]. **telephone** [KR93, OA96]. **Temporal** [KB91, YLT93, LSY94, Nes93, SR98, Suz90]. **term** [AG94b]. **Test** [FvBK+91, LvBP94, TLP95, AW95, Bin97, BU91, CHBC93, DO91, DMW+95, Fel90, GN97, Gir93, Gut95, HvB94, Kor90, PZ91, PP98, RT93, RH96, RH98, Sch99, TVK90, WGS94, Zhu96]. **Test-execution-based** [TLP95]. **Testability** [Fre91, BS96]. **Testing** [VD95, ABK94, CT98, CY94, CM96, CY96, CDFP97, DM94, FW93a, FW93b, FW93c, FHLS98, GCG90, Gut99, HT90, HS91a, KMR91, LW97, LDvB94, MMN+92, Mor90a, PZ93, PZ95, PC90, PZC+96, RW97, Sin91, SR93, SC96, Tai96, TLK92, TFCB90, TDN93, Wey90, WJ91, Wey93, WT94]. **tests** [PF90]. **textual** [MS97a]. **their** [HT96, TYC95]. **them** [SDK+95]. **theorem** [KM97, LS94, LSY94, McC90]. **theoretical** [KL94]. **Theory** [Tai96, Cam90, DC95, HM96, LS94, LSHZ94, McL96, Mor90a, SM98]. **Thorough** [Wan96]. **threads** [SZ92]. **three** [DCN93, DR93, Woo95]. **three-dimensional** [DCN93]. **three-view** [Woo95]. **throughout** [KM90a]. **throughput** [CCS91, CCJS94]. **time** [AS97, ACG93, AM90, Ano97d, ACDW94, ACD98, BD91, BS91b, BV95, BTW95, BF93, BC99, CS94, CDM95, CBMW93,

CNW90, CSL91, DH92, DKKP91, DIM95, FMM94, FL97, Fer99, GL92, GH95, GHS95, GCG90, GMMP91, HS90, HLR92, HS93, HKL94, HNUI94, Hou90, JLHM91, JM94, KS94a, KLB93, KS93, LS90b, LS95, MC97, NSY92, PSA97, Pik06, Qin93, RS93, RRH93, Rus99, SZ92, Sha92, SG91, Sin91, SVK97, SMYP99, SHH91, Tia95, TFCB90, TYC95, TM98, Ves94, WM95, WS90, XP93a, XP93b, YMST99, GAF91]. **time-critical** [BV95, GMMP91]. **time-triggered** [Pik06, Rus99]. **timed** [Fer99, KR93, Liu98, MH92, VMC90]. **times** [BC99, CCH96, HS90, SGL97, WR96, XP90, Xu93, YPV91]. **Timing** [Cor96b, HKL94, TYC95, GH95, LBJ<sup>+</sup>95, XP93a, XP93b]. **TLA** [Lam95]. **TMN** [LR97]. **token** [FD94, VMC90]. **tolerance** [AK98b, SGCT90, SL91]. **tolerant** [AG93a, BG91, HT93, ORSvH95, Pik06, PJ91, Rus99, TC95, WW91]. **Tolerating** [Cug98]. **too** [Fin96]. **Tool** [GCB<sup>+</sup>98, CGZ91, ESS92, FG97, Fra92, GN95, IM93, NOTS98]. **tools** [CCdC92, CCdC93, MS97a, ODK99, SDK<sup>+</sup>95, WK90]. **toolset** [ABC<sup>+</sup>91]. **Total** [Ada96, DKKP91]. **Towsley** [Kau90]. **TPL** [LJS<sup>+</sup>90]. **Trace** [HWR99, Cam90, WP94]. **Trace-based** [HWR99]. **tracing** [KIT93]. **Tractable** [CK94a]. **Tradeoffs** [BB90, CMSW93, GN95]. **trail** [HL93]. **transaction** [BGRS91, CI93, CDIY90, CDY92, GDT92, Lus94, WF93]. **transaction-based** [CI93, Lus94]. **transaction-oriented** [GDT92]. **transaction-undo** [WF93]. **Transactions** [Ano95, Ano96a, Ano97a, BLS91]. **transformation** [KNE92, LKBK91, War96]. **transformations** [BLY93, HC90, KSH<sup>+</sup>92]. **Transient** [Kem99, AJ93, HG99]. **transition** [BG91, IKP95, LS90a, PC92]. **transitive** [QHK91]. **translating** [YD95]. **transport** [Sin90]. **transportable** [LJS<sup>+</sup>90]. **tree** [LM90, LW90, MRT91, Tia95]. **tree-based** [Tia95]. **tree-structured** [LM90]. **trees** [Aud97, KP91, KS99b]. **trend** [KL94]. **Trie** [LRLH91]. **triggered** [Pik06, Rus99]. **TROPICO** [KdBMDs91]. **TROPICO-R** [KdBMDs91]. **truly** [Nes93]. **Trust** [Ran93]. **TuringTool** [CER90]. **tutoring** [NBK95]. **twin** [WF93]. **twin-page** [WF93]. **Two** [FD94, WMS<sup>+</sup>92, Aba97, CMSW93, PJ97, TR91]. **Two-dimensional** [WMS<sup>+</sup>92]. **two-phase** [TR91]. **Two-state** [FD94]. **type** [PT98, SWO97]. **types** [HDL90, SD98]. **typestate** [SY93].

**unbalanced** [Kit98]. **unbounded** [GDG92]. **uncertainty** [Gut99]. **underlying** [CGL94]. **Understanding** [FPV98]. **undo** [WF93]. **unified** [BDW99, GMMP91, HM93, MYK94]. **uniform** [Jac91]. **uniprocessor** [ACDW94]. **unique** [CCS91]. **units** [Nov95a]. **universal** [WMS<sup>+</sup>92]. **UNIX** [KIT93, Che97]. **Unix-based** [Che97]. **Unreachable** [Nic90]. **unsafe** [LW92]. **unstructured** [Kor97]. **unsuccessful** [LM90]. **updatable** [Mil90]. **Update** [Sin90, CS92]. **usability** [LP98a]. **usage** [CGR95, Hel93]. **Use** [Buh98, CT98, RS93, BS96, CDK98, CHB92, DF98, GST91, LCK98, LCKS90, PLR94, SC98]. **used** [LM95]. **User** [UGB93, CER90, GSM<sup>+</sup>95, MS97a, MMM<sup>+</sup>97b, Sea93]. **user-configurable** [GSM<sup>+</sup>95]. **uses** [PZ95]. **Using** [AG94b, BLY93, BCD97, DA91, GL91, GPS96, HKL<sup>+</sup>98, KB95, LR97, PP98, RW97, Win90, BD91, BV95, CB93, Che98, CPGK97, Dev95, DKKP91, ELC<sup>+</sup>98, FF96, GBB90, GDG92, GS93, HDL90, HYT91, HR98, IW95, KWM92, Le 98, LCK98, Liu98, LKA<sup>+</sup>95, LvBP94, MBM94, MRF<sup>+</sup>98, Moo90, MCN92, NOTS98, NTFT91, Ost95, PP94, PS93, RT93, RSA98, Sch99, SPL98, SS97, SI91, SR93, SSV99, SL92, SVK97, SY93, Tia95, VV93, VD95, WEHL94, WF93, YD93].

**utility** [ZA91]. **utilize** [Qin93].

**validating** [BMB99, DF98, Sch92]. **Validation** [KPF97, AG94a, AAA<sup>+</sup>90, BBM96, BG97, Bos95, BV95, DJC94, GPS96, HPW98, KPF95, LF91, MBB<sup>+</sup>97]. **value** [Ser96]. **variable** [Kar90b, SGL97]. **variance** [Ada96]. **various** [Zha91]. **VAX** [KZB<sup>+</sup>91]. **VDM** [BR95, FEG92]. **vector** [ACG93, CCS91]. **verification** [AL95, AHH96, BD91, Che98, Che86, EHO94, FG97, GL92, GMP90, HDL90, Hir90, KS91, ORSvH95, Pik06, RvH93, Rus99, SSM90, WM97, You97, YG90]. **verified** [Moo90, WLS97]. **verify** [AG94b, SWO97]. **Verifying** [AL95, Dil90, Sch98, Sta95, Gol90, HLR92, RRH93]. **version** [BKL90, GJB96, PW93]. **vertical** [CI93, CY90]. **via** [ABK94, AK98b, CPDGM91, Cug98, SR99]. **video** [TMC99]. **view** [ACG93, Das92, Das93, GHM98, Woo95]. **viewpoint** [LF91]. **viewpoints** [SSV99]. **views** [CL95, KH92a, Nov95b, Nov97, NKF94]. **violations** [HKL<sup>+</sup>98]. **virtual** [AT93, AJ93, Bar95, HH97, JZ98, KH92a]. **Visual** [EDRM90, MS97a, Cha90b, CDOT97, CGP<sup>+</sup>90, FTTV96, HMT<sup>+</sup>90, KP91, HTI90, RWG90]. **visualization** [Ebe92]. **visualizing** [ESS92]. **VMM** [KZB<sup>+</sup>91]. **Vol** [Ano95, Ano97a, Ano96a]. **voting** [LCKS90, RJT93]. **vs** [Gut99].

**Waite** [War96]. **waiting** [RT90]. **ware** [LK92]. **Warm** [CB94]. **warp** [Fer99, GAF91]. **weak** [OL94]. **Web** [CD99, MRF<sup>+</sup>98]. **Web-based** [MRF<sup>+</sup>98]. **well** [FM94, PMI94]. **well-formed** [FM94]. **well-structured** [PMI94]. **Weyuker** [CS91]. **Where** [ZJ96]. **White** [Edw97]. **widget** [Sea93]. **within** [Das92, Das93, Kau90, Tow86, Tow90, VS95]. **WorkBench** [RWG90]. **Working**

[Mos92, GST91, HLN<sup>+</sup>90]. **workload** [KS94a, Kun91, WS90, YCHL92]. **workstation** [BPWC90, Mut92]. **workstations** [JR99]. **world** [HPW98]. **worst** [LBJ<sup>+</sup>95]. **Wp** [LvBP94]. **Wp-method** [LvBP94]. **write** [CS92]. **writer** [Joh95]. **writing** [CRL99]. **WWW** [CTV<sup>+</sup>98].

**X** [LK92]. **X-ware** [LK92]. **Xception** [CMS98].

**Yeast** [KR95].

**Z** [Jac95, NOTS98].

## References

Arlat:1990:FID

[AAA<sup>+</sup>90] J. Arlat, M. Aguera, L. Amat, Y. Crouzet, J. C. Fabre, J. C. Laprie, E. Martins, and D. Powell. Fault injection for dependability validation: a methodology and some applications. *IEEE Transactions on Software Engineering*, 16(2):166–182, February 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44380>.

Aue:1994:DIS

[AB94] A. Aue and M. Breu. Distributed information systems: an advanced methodology. *IEEE Transactions on Software Engineering*, 20(8):594–605, August 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://>

ieeexplore.ieee.org/stamp/  
stamp.jsp?arnumber=310669.

**Anderson:1996:REP**

- [AB96] R. J. Anderson and S. J. Bezuidenhout. On the reliability of electronic payment systems. *IEEE Transactions on Software Engineering*, 22(5):294–301, May 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=502222>.

**Abadi:1997:ECR**

- [Aba97] M. Abadi. Explicit communication revisited: two new attacks on authentication protocols. *IEEE Transactions on Software Engineering*, 23(3):185–186, March 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=585505>.

**Atkins:1999:MDS**

- [ABBC99] D. L. Atkins, T. Ball, G. Bruns, and K. Cox. Mawl: a domain-specific language for form-based services. *IEEE Transactions on Software Engineering*, 25(3):334–346, May/June 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=798323>.

**Avrunin:1991:AAC**

- [ABC+91] G. S. Avrunin, U. A. Buy, J. C. Corbett, L. K. Dillon, and J. C. Wileden. Automated analysis of concurrent systems with the constrained expression toolset. *IEEE Transactions on Software Engineering*, 17(11):1204–1222, November 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=106975>.

**Ammann:1994:EIE**

- [ABK94] P. E. Ammann, S. S. Brilliant, and J. C. Knight. The effect of imperfect error detection on reliability assessment via life testing. *IEEE Transactions on Software Engineering*, 20(2):142–148, February 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=265635>.

**Avrunin:1998:API**

- [ACD98] G. S. Avrunin, J. C. Corbett, and L. K. Dillon. Analyzing partially-implemented real-time systems. *IEEE Transactions on Software Engineering*, 24(8):602–614, August 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=707696>.

**Avrunin:1994:ADT**

- [ACDW94] G. S. Avrunin, J. C. Corbett, L. K. Dillon, and J. C. Wileden. Automated derivation of time bounds in uniprocessor concurrent systems. *IEEE Transactions on Software Engineering*, 20(9):708–719, September 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=317429>.

**Ahuja:1993:PST**

- [ACG93] M. Ahuja, T. Carlson, and A. Gahlot. Passive-space and time view: vector clocks for achieving higher performance, program correction, and distributed computing. *IEEE Transactions on Software Engineering*, 19(9):845–855, September 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=241768>.

**Ardis:1996:FES**

- [ACJ<sup>+</sup>96] M. A. Ardis, J. A. Chaves, L. J. Jagadeesan, P. Mataga, C. Puchol, M. G. Staskauskas, and J. Von Olnhausen. A framework for evaluating specification methods for reactive systems-experience report. *IEEE Transactions on Software Engineering*, 22(6):378–389, June 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=508312>.

[ACS90]

[ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=508312](http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=508312).

**Angelaccio:1990:QGQ**

- M. Angelaccio, T. Catarci, and G. Santucci. QBD\*: a graphical query language with recursion. *IEEE Transactions on Software Engineering*, 16(10):1150–1163, October 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60295>.

**Adams:1996:TVA**

[Ada96]

- T. Adams. Total variance approach to software reliability estimation. *IEEE Transactions on Software Engineering*, 22(9):687–688, September 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=541438>.

**Agarwal:1999:COP**

[ADS99]

- R. Agarwal, P. De, and A. P. Sinha. Comprehending object and process models: an empirical study. *IEEE Transactions on Software Engineering*, 25(4):541–556, July/August 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=799953>.

**Agresti:1992:PSD**

- [AE92] W. W. Agresti and W. M. Evanco. Projecting software defects from analyzing Ada designs. *IEEE Transactions on Software Engineering*, 18(11):988–997, November 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=177368>.

**Abd-El-Hafiz:1996:KBA**

- [AEHB96] S. K. Abd-El-Hafiz and V. R. Basili. A knowledge-based approach to the analysis of loops. *IEEE Transactions on Software Engineering*, 22(5):339–360, May 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=502226>.

**Ahmad:1991:SDL**

- [AG91] I. Ahmad and A. Ghafoor. Semi-distributed load balancing for massively parallel multicomputer systems. *IEEE Transactions on Software Engineering*, 17(10):987–1004, October 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=99188>.

**Arora:1993:CCF**

- [AG93a] A. Arora and M. Gouda. Closure and convergence: a foundation of fault-tolerant

computing. *IEEE Transactions on Software Engineering*, 19(11):1015–1027, November 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=256850>.

**Atlee:1993:SBM**

- [AG93b] J. M. Atlee and J. Gannon. State-based model checking of event-driven system requirements. *IEEE Transactions on Software Engineering*, 19(1):24–40, January 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=210305>.

**Akella:1994:SVC**

- [AG94a] V. Akella and G. Gopalakrishnan. Specification and validation of control-intensive IC's in hopCP. *IEEE Transactions on Software Engineering*, 20(6):405–423, June 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=295890>.

**Antoy:1994:UTR**

- [AG94b] S. Antoy and J. Gannon. Using term rewriting to verify software. *IEEE Transactions on Software Engineering*, 20(4):259–274, April 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520



- (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=277574>. [AK98a]
- Alur:1996:ASV**
- [AHH96] R. Alur, T. A. Henzinger, and Pei-Hsin Ho. Automatic symbolic verification of embedded systems. *IEEE Transactions on Software Engineering*, 22(3):181–201, March 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=489079>. [AK98b]
- Abdel-Hamid:1993:SPC**
- [AHSR93] T. K. Abdel-Hamid, K. Sen Gupta, and D. Ronan. Software project control: an experimental investigation of judgment with fallible information. *IEEE Transactions on Software Engineering*, 19(6):603–612, June 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=232025>. [AL95]
- Agrawala:1993:DMT**
- [AJ93] A. K. Agrawala and B. N. Jain. Deterministic model and transient analysis of virtual circuits. *IEEE Transactions on Software Engineering*, 19(2):187–197, February 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=214835>. [AM90]
- Arora:1998:CBD**
- A. Arora and S. S. Kulkarni. Component based design of multitolerant systems. *IEEE Transactions on Software Engineering*, 24(1):63–78, January 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=663998>.
- Arora:1998:DMF**
- A. Arora and S. S. Kulkarni. Designing masking fault-tolerance via nonmasking fault-tolerance. *IEEE Transactions on Software Engineering*, 24(6):435–450, June 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=689401>.
- Aagaard:1995:VLS**
- M. Aagaard and M. Leiser. Verifying a logic-synthesis algorithm and implementation: a case study in software verification. *IEEE Transactions on Software Engineering*, 21(10):822–833, October 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=469458>.
- Al-Mouhamed:1990:LBN**
- M. A. Al-Mouhamed. Lower bound on the number of processors and time for scheduling

- precedence graphs with communication costs. *IEEE Transactions on Software Engineering*, 16(12):1390–1401, December 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=62447>.
- [AM98] L. Alvisi and K. Marzullo. Message logging: pessimistic, optimistic, causal, and optimal. *IEEE Transactions on Software Engineering*, 24(2):149–159, February 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=666828>.
- [Amm92] Z. Ammarguellat. A control-flow normalization algorithm and its complexity. *IEEE Transactions on Software Engineering*, 18(3):237–251, March 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=126773>.
- [AN96] M. Abadi and R. Needham. Prudent engineering practice for cryptographic protocols. *IEEE Transactions on Software Engineering*, 22(1):6–15, January 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=481513>.
- [Ano95] Anonymous:1995:IIT. 1995 index *IEEE Transactions on Software Engineering* vol. 21. *IEEE Transactions on Software Engineering*, 21(12):1–??, December 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=489077>.
- [Ano96a] Anonymous:1996:IIT. 1996 index *IEEE Transactions on Software Engineering* vol. 22. *IEEE Transactions on Software Engineering*, 22(12):912–919, December 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=553641>.
- [Ano96b] Anonymous:1996:RMS. Reference model for smooth growth of software systems (003)5402022. *IEEE Transactions on Software Engineering*, 22(8):–??, August 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=536959>.
- [Ano97a] Anonymous:1997:IIT. 1997 index *IEEE Transactions on Software Engineering* vol. 23. *IEEE Transactions on Software Engineering*, 23(12):1–??, December 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=536959>.

- ware vol. 23. *IEEE Transactions on Software Engineering*, 23(12):800–807, December 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=637394>. [Ano98a]
- Anonymous:1997:AI**
- [Ano97b] Anonymous. Author index. *IEEE Transactions on Software Engineering*, 23(1):60–61, January 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=581330>. [Ano98b]
- Anonymous:1997:GEI**
- [Ano97c] Anonymous. Guest editorial: Introduction to the special section. *IEEE Transactions on Software Engineering*, 23(2):65–66, February 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=585496>. [Ano99]
- Anonymous:1997:RTS**
- [Ano97d] Anonymous. Real-time systems symposium (rtss'96). *IEEE Transactions on Software Engineering*, 23(10):0:1, October 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=637142>. [AR96]
- Anonymous:1998:AI**
- Anonymous. Author index. *IEEE Transactions on Software Engineering*, 24(1):93–95, January 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=664000>.
- Anonymous:1998:SIM**
- Anonymous. Special issue — mobility and network-aware computing. *IEEE Transactions on Software Engineering*, 24(5):0:1, May 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=685254>.
- Anonymous:1999:RL**
- Anonymous. 1998 reviewer list. *IEEE Transactions on Software Engineering*, 25(1):141–144, January/February 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=748923>.
- Abran:1996:FPA**
- A. Abran and P. N. Robillard. Function points analysis: an empirical study of its measurement processes. *IEEE Transactions on Software Engineering*, 22(12):895–910, December 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-

- 3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=553638>. [AW95]
- Abdelzاهر:1997:CPR**
- [AS97] T. F. Abdelzاهر and K. G. Shin. Comment on “A pre-run-time scheduling algorithm for hard real-time systems”. *IEEE Transactions on Software Engineering*, 23(9):599–600, September 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=629495>. [BA93] See [SG91].
- Adam:1993:RVC**
- [AT93] N. R. Adam and R. Tewari. Regeneration with virtual copies for distributed computing systems. *IEEE Transactions on Software Engineering*, 19(6):594–602, June 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=232024>. [BA99]
- Audenaert:1997:CTL**
- [Aud97] K. Audenaert. Clock trees: logical clocks for programs with nested parallelism. *IEEE Transactions on Software Engineering*, 23(10):646–658, October 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=637147>. [Bar90]
- Avritzer:1995:AGL**
- A. Avritzer and E. R. Weyuker. The automatic generation of load test suites and the assessment of the resulting software. *IEEE Transactions on Software Engineering*, 21(9):705–716, September 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=464549>.
- Berman:1993:OMR**
- O. Berman and N. Ashrafi. Optimization models for reliability of modular software systems. *IEEE Transactions on Software Engineering*, 19(11):1119–1123, November 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=256858>.
- Bertrand:1999:BSL**
- F. Bertrand and M. Augeraud. BDL: a specialized language for per-object reactive control. *IEEE Transactions on Software Engineering*, 25(3):347–362, May/June 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=798324>.
- Barbosa:1990:SPC**
- V. C. Barbosa. Strategies for the prevention of communica-

- tion deadlocks in distributed parallel programs. *IEEE Transactions on Software Engineering*, 16(11):1311–1316, November 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60319>. [BB93]
- Barrett:1995:MCP**
- [Bar95] G. Barrett. Model checking in practice: the T9000 virtual channel processor. *IEEE Transactions on Software Engineering*, 21(2):69–78, February 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=345823>.
- Balasubramanian:1990:TDE**
- [BB90] V. Balasubramanian and P. Banerjee. Tradeoffs in the design of efficient algorithm-based error detection schemes for hypercube multiprocessors. *IEEE Transactions on Software Engineering*, 16(2):183–196, February 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44381>.
- Beetem:1991:ISP**
- [BB91] J. F. Beetem and A. F. Beetem. Incremental scanning and parsing with galaxy. *IEEE Transactions on Software Engineering*, 17(7):641–651, July 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=83901>.
- Biswas:1993:DSP**
- J. Biswas and J. C. Browne. Data structures for parallel resource management. *IEEE Transactions on Software Engineering*, 19(7):672–686, July 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=238568>.
- Botting:1996:CFS**
- [BBC96] R. J. Botting, R. H. Bourdeau, and B. H. C. Cheng. Comments on “A formal semantics for object model diagrams”. *IEEE Transactions on Software Engineering*, 22(12):911–??, December 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=553639>. See [BC95] and response [BC96].
- Briand:1993:DIM**
- [BBH93] L. C. Briand, V. R. Brasili, and C. J. Hetmanski. Developing interpretable models with optimized set reduction for identifying high-risk software components. *IEEE Transactions on Software Engineering*, 19(11):1028–1044, November 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=553639>.

- ieeexplore.ieee.org/stamp/  
stamp.jsp?arnumber=256851. [BC95]
- [BBM96] V. R. Basili, L. C. Briand, and W. L. Melo. A validation of object-oriented design metrics as quality indicators. *IEEE Transactions on Software Engineering*, 22(10):751–761, October 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=544352>.
- [BBT92] L. C. Briand, V. R. Basili, and W. M. Thomas. A pattern recognition approach for software engineering data analysis. *IEEE Transactions on Software Engineering*, 18(11):931–942, November 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=177363>. [BC99]
- [BC90] G. Becker and L. Camarinopoulos. A Bayesian estimation method for the failure rate of a possibly correct program. *IEEE Transactions on Software Engineering*, 16(11):1307–1310, November 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60318>. [BCD97]
- [Bourdeau:1995:FSO] R. H. Bourdeau and B. H. C. Cheng. A formal semantics for object model diagrams. *IEEE Transactions on Software Engineering*, 21(10):799–821, October 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=469459>. See comments [BBC96].
- [Bourdeau:1996:CRB] R. H. Bourdeau and B. H. C. Cheng. Correspondence: Response to Botting’s comments. *IEEE Transactions on Software Engineering*, 22(12):911, December 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=553640>. See [BBC96].
- [Buttazzo:1999:MAR] G. C. Buttazzo and M. Caccamo. Minimizing aperiodic response times in a firm real-time environment. *IEEE Transactions on Software Engineering*, 25(1):22–32, January/February 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=748916>.
- [Bloom:1997:UPL] B. Bloom, A. Cheng, and A. Dsouza. Using a Protean

- language to enhance expressiveness in specification. *IEEE Transactions on Software Engineering*, 23(4):224–234, April 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=588539>. [BDF96]
- Brocklehurst:1990:RSR**
- [BCLS90] S. Brocklehurst, P. Y. Chan, B. Littlewood, and J. Snell. Recalibrating software reliability models. *IEEE Transactions on Software Engineering*, 16(4):458–470, April 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=54297>. [BDL95]
- Bang:2001:CMC**
- [BCY01] Ki-Seok Bang, Jin-Young Choi, and Chuck Yoo. Comments on “The Model Checker SPIN”. *IEEE Transactions on Software Engineering*, 27(6):573–576, June 2001. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=926177>. See [Hol97].
- Berthomieu:1991:MVT**
- [BD91] B. Berthomieu and M. Diaz. Modeling and verification of time dependent systems using time Petri nets. *IEEE Transactions on Software Engineering*, 17(3):259–273, March 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=75415>.
- Bandinelli:1996:SCS**
- S. Bandinelli, E. Di Nitto, and A. Fuggetta. Supporting cooperation in the SPADE-1 environment. *IEEE Transactions on Software Engineering*, 22(12):841–865, December 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=553634>.
- Bertolazzi:1995:PGD**
- P. Bertolazzi, G. Di Battista, and G. Liotta. Parametric graph drawing. *IEEE Transactions on Software Engineering*, 21(8):662–673, August 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=403790>.
- Battiston:1996:MAN**
- [BDM96] E. Battiston, F. De Cindio, and G. Mauri. Modular algebraic nets to specify concurrent systems. *IEEE Transactions on Software Engineering*, 22(10):689–705, October 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=544348>.

- Batini:1993:SPD**
- [BDS93] C. Batini, G. Di Battista, and G. Santucci. Structuring primitives for a dictionary of entity relationship data schemas. *IEEE Transactions on Software Engineering*, 19(4):344–365, April 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=223803>.
- Boussinot:1996:SSL**
- [BdS96] F. Boussinot and R. de Simone. The SL synchronous language. *IEEE Transactions on Software Engineering*, 22(4):256–266, April 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=491649>.
- Braccini:1991:ICD**
- [BDV91] A. Braccini, A. Del Bimbo, and E. Vicario. Interprocess communication dependency on network load. *IEEE Transactions on Software Engineering*, 17(4):357–369, April 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=90435>.
- Briand:1999:UFC**
- [BDW99] L. C. Briand, J. W. Daly, and J. K. Wust. A unified framework for coupling measurement in object-oriented systems. *IEEE Transactions on Software Engineering*, 25(1):91–121, January/February 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=748920>.
- Butler:1993:IQR**
- [BF93] R. W. Butler and G. B. Finelli. The infeasibility of quantifying the reliability of life-critical real-time software. *IEEE Transactions on Software Engineering*, 19(1):3–12, January 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=210303>.
- Bandinelli:1993:SPM**
- [BFG93] S. C. Bandinelli, A. Fuggetta, and C. Ghezzi. Software process model evolution in the SPADE environment. *IEEE Transactions on Software Engineering*, 19(12):1128–1144, December 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=249659>.
- Bandinelli:1995:MII**
- [BFL+95] S. Bandinelli, A. Fuggetta, L. Lavazza, M. Loi, and G. P. Picco. Modeling and improving an industrial software process. *IEEE Transactions on Software Engineering*, 21(5):440–454, May 1995. CODEN IESEDJ.



ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=387473>.

**Belli:1991:SFT**

[BG91]

F. Belli and K. E. Grosspietsch. Specification of fault-tolerant system issues by predicate/transition nets and regular expressions — approach and case study. *IEEE Transactions on Software Engineering*, 17(6):513–526, June 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=87278>.

**Batory:1997:CVS**

[BG97]

D. Batory and B. J. Geraci. Composition validation and subjectivity in GenVoca generators. *IEEE Transactions on Software Engineering*, 23(2):67–82, February 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=585497>.

**Bolliger:1998:FBA**

[BG98]

J. Bolliger and T. Gross. A framework based approach to the development of network aware applications. *IEEE Transactions on Software Engineering*, 24(5):376–390, May 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=685260>.

[ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=685260](http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=685260).

**Breitbart:1991:RTS**

[BGRS91]

Y. Breitbart, D. Georgakopoulos, M. Rusinkiewicz, and A. Silberschatz. On rigorous transaction scheduling. *IEEE Transactions on Software Engineering*, 17(9):954–960, September 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=92915>.

**Bhansali:1998:ASS**

[BH98]

S. Bhansali and T. J. Hoar. Automated software synthesis: an application in mechanical CAD. *IEEE Transactions on Software Engineering*, 24(10):848–862, October 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=729684>.

**Bhandari:1993:CSS**

[BHT<sup>+</sup>93]

I. Bhandari, M. Halliday, E. Tarver, D. Brown, J. Chaar, and R. Chillarege. A case study of software process improvement during development. *IEEE Transactions on Software Engineering*, 19(12):1157–1170, December 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=249661>.

- Binkley:1997:SGR**
- [Bin97] D. Binkley. Semantics guided regression test cost reduction. *IEEE Transactions on Software Engineering*, 23(8):498–516, August 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=624306>.
- Bishop:1990:EDA**
- [Bis90] J. M. Bishop. The effect of data abstraction on loop programming techniques. *IEEE Transactions on Software Engineering*, 16(4):389–402, April 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=54291>.
- Belli:1991:ARO**
- [BJ91] F. Belli and P. Jędrzejowicz. An approach to the reliability optimization of software with redundancy. *IEEE Transactions on Software Engineering*, 17(3):310–312, March 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=75419>.
- Bieman:1998:MDL**
- [BK98] J. M. Bieman and Byung-Kyoo Kang. Measuring design-level cohesion. *IEEE Transactions on Software Engineering*, 24(2):111–124, February 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=666825>.
- Brilliant:1990:AFE**
- [BKL90] S. S. Brilliant, J. C. Knight, and N. G. Leveson. Analysis of faults in an  $N$ -version software experiment. *IEEE Transactions on Software Engineering*, 16(2):238–247, February 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44387>.
- Bal:1992:OLP**
- [BKT92] H. E. Bal, M. Frans Kaashoek, and Andrew S. Tanenbaum. Orca: a language for parallel programming of distributed systems. *IEEE Transactions on Software Engineering*, 18(3):190–205, March 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=126768>.
- Banker:1994:AOS**
- [BKWZ94] R. D. Banker, R. J. Kauffman, C. Wright, and D. Zweig. Automating output size and reuse metrics in a repository-based computer-aided software engineering (CASE) environment. *IEEE Transactions on Software Engineering*, 20(3):169–187, March 1994. CODEN IESEDJ.

- ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=268919>. [BLW90]
- Banker:1993:RES**
- [BKZ93] R. D. Banker, R. J. Kauffman, and D. Zweig. Repository evaluation of software reuse. *IEEE Transactions on Software Engineering*, 19(4):379–389, April 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=223805>.
- Bagrodia:1994:MLD**
- [BL94] R. L. Bagrodia and Wen-Toh Liao. Maisie: a language for the design of efficient discrete-event simulations. *IEEE Transactions on Software Engineering*, 20(4):225–238, April 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=277572>.
- Babin:1991:SDT**
- [BLS91] G. Babin, F. Lustman, and P. Shoval. Specification and design of transactions in information systems: a formal approach. *IEEE Transactions on Software Engineering*, 17(8):814–829, August 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=83916>.
- Browne:1990:EER**
- J. C. Browne, T. Lee, and J. Werth. Experimental evaluation of a reusability-oriented parallel programming environment. *IEEE Transactions on Software Engineering*, 16(2):111–120, February 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44375>.
- Berzins:1993:UTS**
- [BLY93] V. Berzins, Luqi, and A. Yehudai. Using transformations in specification-based prototyping. *IEEE Transactions on Software Engineering*, 19(5):436–452, May 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=232011>.
- Bertolino:1994:AGP**
- [BM94] A. Bertolino and M. Marre. Automatic generation of path covers based on the control flow analysis of computer programs. *IEEE Transactions on Software Engineering*, 20(12):885–899, December 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=368137>.
- Briand:1996:PBS**
- [BMB96] L. C. Briand, S. Morasca, and V. R. Basili. Property-

- based software engineering measurement. *IEEE Transactions on Software Engineering*, 22(1):68–86, January 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=481535>. See comments [PDB<sup>+</sup>97, Zus97] and response [BMB97].
- [BMB97] L. C. Briand, S. Morasca, and V. R. Basili. Response to: Comments on “Property-based Software Engineering Measurement: Refining The Additivity Properties”. *IEEE Transactions on Software Engineering*, 23(3):196–197, March 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=585509>. See [BMB96, PDB<sup>+</sup>97, Zus97].
- [BMB99] L. C. Briand, S. Morasca, and V. R. Basili. Defining and validating measures for object-based high-level design. *IEEE Transactions on Software Engineering*, 25(5):722–743, September/October 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=815329>.
- [BMR95] A. Borgida, J. Mylopoulos, and R. Reiter. On the frame problem in procedure specifications. *IEEE Transactions on Software Engineering*, 21(10):785–798, October 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=469460>.
- [BO94] J. M. Bieman and L. M. Ott. Measuring functional cohesion. *IEEE Transactions on Software Engineering*, 20(8):644–657, August 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=310673>.
- [Bos95] A. Boswell. Specification and validation of a security policy model. *IEEE Transactions on Software Engineering*, 21(2):63–68, February 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=345822>.
- [Bou94] R. J. Boucherie. A characterization of independence for competing Markov chains with applications to stochastic Petri nets. *IEEE Trans-*

- actions on Software Engineering*, 20(7):536–544, July 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=297942>. [BR90]
- Barcucci:1990:OSS**
- [BP90] E. Barcucci and R. Pinzani. Optimal selection of secondary indexes. *IEEE Transactions on Software Engineering*, 16(1):32–38, January 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44361>.
- Bradac:1994:PPM**
- [BPV94] M. G. Bradac, D. E. Perry, and L. G. Votta. Prototyping a process monitoring experiment. *IEEE Transactions on Software Engineering*, 20(10):774–784, October 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=328994>.
- Berger:1990:CMW**
- [BPWC90] J. L. Berger, J. Picciotto, J. P. L. Woodward, and P. T. Cummings. Compartmented mode workstation: prototype highlights. *IEEE Transactions on Software Engineering*, 16(6):608–618, June 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=55089>.
- Burke:1990:CAI**
- M. G. Burke and B. G. Ryder. A critical analysis of incremental iterative data flow analysis algorithms. *IEEE Transactions on Software Engineering*, 16(7):723–728, July 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=56098>.
- Bicarregui:1995:IFP**
- [BR95] J. Bicarregui and B. Ritchie. Invariants, frames and postconditions: a comparison of the VDM and B notations. *IEEE Transactions on Software Engineering*, 21(2):79–89, February 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=345824>.
- Bagrodia:1991:MID**
- [BS91a] R. L. Bagrodia and C. C. Shen. MIDAS: integrated design and simulation of distributed systems. *IEEE Transactions on Software Engineering*, 17(10):1042–1058, October 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=99192>.

- Blake:1991:EER**
- [BS91b] B. A. Blake and K. Schwan. Experimental evaluation of a real-time scheduler for a multiprocessor system. *IEEE Transactions on Software Engineering*, 17(1):34–44, January 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67577>.
- Bertolino:1996:UTM**
- [BS96] A. Bertolino and L. Strigini. On the use of testability measures for dependability assessment. *IEEE Transactions on Software Engineering*, 22(2):97–108, February 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=485220>.
- Basili:1999:BKT**
- [BSL99] V. R. Basili, F. Shull, and F. Lanubile. Building knowledge through families of experiments. *IEEE Transactions on Software Engineering*, 25(4):456–473, July/August 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=799939>.
- Blackburn:1996:ISP**
- [BSV96] J. D. Blackburn, G. D. Scudder, and L. N. Van Wassen-
- Burns:1995:EAE**
- [BTW95] A. Burns, K. Tindell, and A. Wellings. Effective analysis for engineering real-time fixed priority schedulers. *IEEE Transactions on Software Engineering*, 21(5):475–480, May 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=387477>.
- Boyd:1991:CGO**
- [BU91] S. C. Boyd and H. Ural. On the complexity of generating optimal test sequences. *IEEE Transactions on Software Engineering*, 17(9):976–978, September 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=92918>.
- Buchholz:1999:HSS**
- [Buc99] P. Buchholz. Hierarchical structuring of superposed GSPNs. *IEEE Transactions on Software Engineering*, 25(2):166–181, March/April 1999.
- hove. Improving speed and productivity of software development: a global survey of software developers. *IEEE Transactions on Software Engineering*, 22(12):875–885, December 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=553636>.

- CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=761443>. [BW94]
- Buhr:1998:UCM**
- [Buh98] R. J. A. Buhr. Use case maps as architectural entities for complex systems. *IEEE Transactions on Software Engineering*, 24(12):1131–1155, December 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=738343>.
- Burton:1996:GGM**
- [Bur96] F. W. Burton. Guaranteeing good memory bounds for parallel programs. *IEEE Transactions on Software Engineering*, 22(10):762–773, October 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=544353>.
- Bucci:1995:CVT**
- [BV95] G. Bucci and E. Vicario. Compositional validation of time-critical systems using communicating time Petri nets. *IEEE Transactions on Software Engineering*, 21(12):969–992, December 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=489073>.
- Bustard:1994:MCF**
- D. W. Bustard and A. C. Winston. Making changes to formal specifications: requirements and an example. *IEEE Transactions on Software Engineering*, 20(8):562–568, August 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=310666>.
- Chan:1998:MCL**
- [CAB+98] W. Chan, R. J. Anderson, P. Beame, S. Burns, F. Modugno, D. Notkin, and J. D. Reese. Model checking large software specifications. *IEEE Transactions on Software Engineering*, 24(7):498–520, July 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=708566>.
- Camilleri:1990:MCT**
- [Cam90] A. J. Camilleri. Mechanizing CSP trace theory in higher order logic. *IEEE Transactions on Software Engineering*, 16(9):993–1004, September 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=58786>.
- Chen:1993:MAC**
- [CB93] Ing-Ray Chen and S. A. Banawan. Modeling and analysis of concurrent maintenance

policies for data structures using pointers. *IEEE Transactions on Software Engineering*, 19(9):902–911, September 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=241772>.

**Chen:1994:WSH**

- [CB94] Ing-Ray Chen and F. B. Bastani. Warm standby in hierarchically structured process-control programs. *IEEE Transactions on Software Engineering*, 20(8):658–663, August 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=310674>.

**Chen:1999:PSA**

- [CB99] I. R. Chen and S. A. Banawan. Performance and stability analysis of multilevel data structures with deferred reorganization. *IEEE Transactions on Software Engineering*, 25(5):690–700, September/October 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=815327>.

**Chillarege:1992:ODC**

- [CBC<sup>+</sup>92] R. Chillarege, I. S. Bhandari, J. K. Chaar, M. J. Halliday, D. S. Moebus, B. K. Ray, and M. Y. Wong. Orthogonal defect classification — a

concept for in-process measurements. *IEEE Transactions on Software Engineering*, 18(11):943–956, November 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=177364>.

**Cheng:1993:ART**

- [CBMW93] A. M. K. Cheng, J. C. Browne, A. K. Mok, and Rwo-Hsi Wang. Analysis of real-time rule-based systems with behavioral constraint assertions specified in Estella. *IEEE Transactions on Software Engineering*, 19(9):863–885, September 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=241770>.

**Chulani:1999:BAE**

- [CBS99] S. Chulani, B. Boehm, and B. Steece. Bayesian analysis of empirical software engineering cost models. *IEEE Transactions on Software Engineering*, 25(4):573–583, July/August 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=799958>.

**Canfora:1992:LBA**

- [CCdC92] G. Canfora, A. Cimitile, and U. de Carlini. A logic-based approach to reverse engineering tools production. *IEEE Trans-*



- actions on Software Engineering*, 18(12):1053–1064, December 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=184760>. See correction [CCdC93].
- [CCdC93] **Canfora:1993:CAL** [CCH96] G. Canfora, A. Cimitile, and U. de Carlini. Correction to “A logic-based approach to reverse engineering tools production (Dec 92 1053–1064). *IEEE Transactions on Software Engineering*, 19(6):640–??, June 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=232029>. See [CCdC92].
- [CCDD98] **Canfora:1998:ESS** G. Canfora, A. Cimitile, U. De Carlini, and A. De Lucia. An extensible system for source code analysis. *IEEE Transactions on Software Engineering*, 24(9):721–740, September 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=713328>.
- [CCF94] **Choi:1994:EEA** Jong-Deok Choi, R. Cytron, and J. Ferrante. On the efficient engineering of ambitious program analysis. *IEEE Transactions on Software Engineering*, 20(2):105–114, February 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=265631>.
- [CCH96] **Chan:1996:EME** Taizan Chan, Siu Leung Chung, and Teck Hua Ho. An economic model to estimate software rewriting and replacement times. *IEEE Transactions on Software Engineering*, 22(8):580–598, August 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=536958>.
- [CCHK90] **Callahan:1990:CPC** D. Callahan, A. Carle, M. W. Hall, and K. Kennedy. Constructing the procedure call multigraph. *IEEE Transactions on Software Engineering*, 16(4):483–487, April 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=54302>.
- [CCJS94] **Campos:1994:ATC** J. Campos, J. M. Colom, H. Jungnitz, and M. Silva. Approximate throughput computation of stochastic marked graphs. *IEEE Transactions on Software Engineering*, 20(7):526–535, July 1994. CODEN IESEDJ. ISSN 0098-5589

- (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=297941>.
- [CCS91] J. Campos, G. Chiola, and M. Silva. Ergodicity and throughput bounds of Petri nets with unique consistent firing count vector. *IEEE Transactions on Software Engineering*, 17(2):117–125, February 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67593>.
- [CCTCR92] F. Cacace, S. Ceri, L. Tanca, and S. Crespi-Reghizzi. Designing and prototyping data-intensive applications in the Logres and Algres programming environment. *IEEE Transactions on Software Engineering*, 18(6):534–546, June 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=142875>.
- [CD99] L. Cardelli and R. Davies. Service combinators for Web computing. *IEEE Transactions on Software Engineering*, 25(3):309–316, May/June 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=798321>.
- [CDFP97] **Campos:1991:ETB** D. M. Cohen, S. R. Dalal, M. L. Fredman, and G. C. Patton. The AETG system: an approach to testing based on combinatorial design. *IEEE Transactions on Software Engineering*, 23(7):437–444, July 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=605761>.
- [CDIY90] **Cacace:1992:DPD** B. Ciciani, D. M. Dias, B. R. Iyer, and P. S. Yu. A hybrid distributed centralized system structure for transaction processing. *IEEE Transactions on Software Engineering*, 16(8):791–806, August 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=57619>.
- [CDK98] **Cardelli:1999:SCW** S. R. Chidamber, D. P. Darcy, and C. F. Kemerer. Managerial use of metrics for object-oriented software: an exploratory analysis. *IEEE Transactions on Software Engineering*, 24(8):629–639, August 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=142875>.
- Chidamber:1998:MUM**

- ieeexplore.ieee.org/stamp/  
stamp.jsp?arnumber=707698.
- [CDY92] **Cavaliere:1995:PRT**  
S. Cavaliere, A. Di Stefano,  
and O. Mirabella. Pre-run-  
time scheduling to reduce sched-  
ule length in the FieldBus en-  
vironment. *IEEE Transactions on Software Engineering*, 21(11):865–880, Novem-  
ber 1995. CODEN IESEDJ.  
ISSN 0098-5589 (print), 1939-  
3520 (electronic). URL [http://  
ieeexplore.ieee.org/stamp/  
stamp.jsp?arnumber=473215](http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=473215).
- [CDM95] **Costagliola:1997:PMI**  
G. Costagliola, A. De Lu-  
cia, S. Orefice, and G. Tor-  
tora. A parsing methodology  
for the implementation of vi-  
sual systems. *IEEE Transactions on Software Engineering*, 23(12):777–799, Decem-  
ber 1997. CODEN IESEDJ.  
ISSN 0098-5589 (print), 1939-  
3520 (electronic). URL [http://  
ieeexplore.ieee.org/stamp/  
stamp.jsp?arnumber=637392](http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=637392).
- [CDOT97] **Campos:1999:SSA**  
J. Campos, S. Donatelli, and  
M. Silva. Structured solution  
of asynchronously communicat-  
ing stochastic modules. *IEEE Transactions on Software Engi-  
neering*, 25(2):147–165, March/  
April 1999. CODEN IESEDJ.  
ISSN 0098-5589 (print), 1939-  
3520 (electronic). URL [http://  
ieeexplore.ieee.org/stamp/  
stamp.jsp?arnumber=761442](http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=761442).
- Ciciani:1992:ACC**  
B. Ciciani, D. M. Dias, and  
P. S. Yu. Analysis of  
concurrency-coherency control  
protocols for distributed trans-  
action processing systems with  
regional locality. *IEEE Transactions on Software Engineering*, 18(10):899–914, October  
1992. CODEN IESEDJ. ISSN  
0098-5589 (print), 1939-3520  
(electronic). URL [http://  
ieeexplore.ieee.org/stamp/  
stamp.jsp?arnumber=163606](http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=163606).
- Cordy:1990:TUI**  
J. R. Cordy, N. L. Eliot, and  
M. G. Robertson. TuringTool: a  
user interface to aid in the soft-  
ware maintenance task. *IEEE Transactions on Software Engi-  
neering*, 16(3):294–301, March  
1990. CODEN IESEDJ. ISSN  
0098-5589 (print), 1939-3520  
(electronic). URL [http://  
ieeexplore.ieee.org/stamp/  
stamp.jsp?arnumber=48937](http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=48937).
- [CER90] **Cui:1992:DOE**  
Q. Cui and J. Gannon. Data-  
oriented exception handling.  
*IEEE Transactions on Software Engineering*, 18(5):393–401,  
May 1992. CODEN IESEDJ.  
ISSN 0098-5589 (print), 1939-  
3520 (electronic). URL [http://  
ieeexplore.ieee.org/stamp/  
stamp.jsp?arnumber=135772](http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=135772).
- [CG92] **Ciardo:1996:GEI**  
G. Ciardo and C. Ghezzi. Guest  
editorial: Introduction to the

- special section. *IEEE Transactions on Software Engineering*, 22(9):601–??, September 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=541431>. [CGP99]
- Chen:1998:CDM**
- [CGK98] Yih-Fam Chen, E. R. Gansner, and E. Koutsofios. A C++ data model supporting reachability analysis and dead code detection. *IEEE Transactions on Software Engineering*, 24(9):682–694, September 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=713323>. [CGR95]
- Ciardo:1994:CSP**
- [CGL94] G. Ciardo, R. German, and C. Lindemann. A characterization of the stochastic process underlying a stochastic Petri net. *IEEE Transactions on Software Engineering*, 20(7):506–515, July 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=297939>. [CGZ91]
- Crimi:1990:AVL**
- [CGP+90] C. Crimi, A. Guercio, G. Pacini, G. Tortora, and M. Tucci. Automating visual language generation. *IEEE Transactions on Software Engineering*, 16(10):1122–1135, October 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60293>. [CGP99]
- Caspi:1999:ADR**
- P. Caspi, A. Girault, and D. Pilaud. Automatic distribution of reactive systems for asynchronous networks of processors. *IEEE Transactions on Software Engineering*, 25(3):416–427, May/June 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=798329>. [CGP99]
- Craigen:1995:FMR**
- D. Craigen, S. Gerhart, and T. Ralston. Formal methods reality check: industrial usage. *IEEE Transactions on Software Engineering*, 21(2):90–98, February 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=345825>. [CGP99]
- Cardenas-Garcia:1991:MTE**
- S. Cardenas-Garcia and M. V. Zelkowitz. A management tool for evaluation of software design. *IEEE Transactions on Software Engineering*, 17(9):961–971, September 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60293>. [CGP99]

- ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=92916.
- Chang:1990:BAC**
- [Cha90a] C. K. Chang. Bidding against competitors. *IEEE Transactions on Software Engineering*, 16(1):100–104, January 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44368>.
- Chang:1990:VLC**
- [Cha90b] S. K. Chang. A visual language compiler for information retrieval by visual reasoning. *IEEE Transactions on Software Engineering*, 16(10):1136–1149, October 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60294>.
- Coleman:1992:IOH**
- [CHB92] D. Coleman, F. Hayes, and S. Bear. Introducing Objectcharts or how to use Statecharts in object-oriented design. *IEEE Transactions on Software Engineering*, 18(1):8–18, January 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=120312>.
- Chaar:1993:PES**
- [CHBC93] J. K. Chaar, M. J. Halliday, I. S. Bhandari, and R. Chillarege. In-process evaluation for software inspection and test. *IEEE Transactions on Software Engineering*, 19(11):1055–1070, November 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=256853>.
- Cheung:1986:PMP**
- [Che86] T. Y. Cheung. On the projection method for protocol verification. *IEEE Transactions on Software Engineering*, SE-12(11):1088–1089, November 1986. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6312998>. See [Hir90].
- Chernak:1996:SAI**
- [Che96] Y. Chernak. A statistical approach to the inspection checklist formal synthesis and improvement. *IEEE Transactions on Software Engineering*, 22(12):866–874, December 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=553635>.
- Chen:1997:CAL**
- [Che97] Jen-Yen Jason Chen. CSPL: an Ada95-like, Unix-based process environment. *IEEE Transactions on Software Engineering*, 23(3):171–184, March

1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=585504>. [CK94a]
- Chetali:1998:FVC**
- [Che98] B. Chetali. Formal verification of concurrent programs using the larch prover. *IEEE Transactions on Software Engineering*, 24(1):46–62, January 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=663997>. [CK94b]
- Chu:1991:CAE**
- [Chu91] P. C. Chu. A contingency approach to estimating record selectivities. *IEEE Transactions on Software Engineering*, 17(6):544–552, June 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=87280>. [CKA93]
- Chu:1993:TBA**
- [CI93] W. W. Chu and I. T. Jeong. A transaction-based approach to vertical partitioning for relational database systems. *IEEE Transactions on Software Engineering*, 19(8):804–812, August 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=238583>. [CL95]
- Cheung:1994:TDA**
- Shing Chi Cheung and J. Kramer. Tractable dataflow analysis for distributed systems. *IEEE Transactions on Software Engineering*, 20(8):579–593, August 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=310668>.
- Chidamber:1994:MSO**
- S. R. Chidamber and C. F. Kemerer. A metrics suite for object oriented design. *IEEE Transactions on Software Engineering*, 20(6):476–493, June 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=295895>. See comments [CSCK95].
- Camp:1993:PRF**
- T. Camp, P. Kearns, and M. Ahuja. Proof rules for flush channels. *IEEE Transactions on Software Engineering*, 19(4):366–378, April 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=223804>. See addendum [Sto94].
- Cowan:1995:ADV**
- D. D. Cowan and C. J. P. Lucena. Abstract data views: an interface specification concept

- to enhance design for reuse. *IEEE Transactions on Software Engineering*, 21(3):229–243, March 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=372150>.
- [CM96] **Chen:1996:BMP** Sanping Chen and S. Mills. A binary Markov process model for random testing. *IEEE Transactions on Software Engineering*, 22(3):218–223, March 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=489081>.
- [CMBC93] **Chiola:1993:GSP** G. Chiola, M. A. Marsan, G. Balbo, and G. Conte. Generalized stochastic Petri nets: a definition at the net level and its implications. *IEEE Transactions on Software Engineering*, 19(2):89–107, February 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=214828>.
- [CMS96] **Clemencon:1996:DSA** C. Clemencon, B. Mukherjee, and K. Schwan. Distributed shared abstractions (DSA) on multiprocessors. *IEEE Transactions on Software Engineering*, 22(2):132–152, February 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=485223>.
- [CMS98] **Carreira:1998:XTE** J. Carreira, H. Madeira, and J. G. Silva. Xception: a technique for the experimental evaluation of dependability in modern computers. *IEEE Transactions on Software Engineering*, 24(2):125–136, February 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=666826>.
- [CMSW93] **Cabrera:1993:IAT** L. F. Cabrera, J. A. McPhereson, P. M. Schwarz, and J. C. Wyllie. Implementing atomicity in two systems: techniques, tradeoffs, and experience. *IEEE Transactions on Software Engineering*, 19(10):950–961, October 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=245737>.
- [CNR90] **Chen:1990:CIA** Y. F. Chen, M. Y. Nishimoto, and C. V. Ramamoorthy. The C information abstraction system. *IEEE Transactions on Software Engineering*, 16(3):325–334, March 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=485223>.

- ieeexplore.ieee.org/stamp/  
stamp.jsp?arnumber=48940.
- [CNT99] G. Ciardo, D. M. Nicol, and K. S. Trivedi. Discrete-event simulation of fluid stochastic Petri nets. *IEEE Transactions on Software Engineering*, 25(2):207–217, March/April 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=761446>.
- [CNW90] L. J. Chmura, A. F. Norcio, and T. J. Wicinski. Evaluating software design processes by analyzing change data over time. *IEEE Transactions on Software Engineering*, 16(7):729–740, July 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=56099>.
- [Con90] L. L. Constantine. Comments, with reply, on “On criteria for module interfaces” by D. Hoffman. *IEEE Transactions on Software Engineering*, 16(12):1440–??, December 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=62453>. See [Hof90].
- [Cor96a] J. C. Corbett. Evaluating deadlock detection methods for concurrent software. *IEEE Transactions on Software Engineering*, 22(3):161–180, March 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=489078>.
- [Cor96b] J. C. Corbett. Timing analysis of Ada tasking programs. *IEEE Transactions on Software Engineering*, 22(7):461–483, July 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=538604>.
- [CP91] J. R. Callahan and J. M. Purtilo. A packaging system for heterogeneous execution environments. *IEEE Transactions on Software Engineering*, 17(6):626–635, June 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=87286>.
- [CPDGM91] A. Coen-Portisini, F. De Paoli, C. Ghezzi, and D. Mandrioli. Software specialization via symbolic execution. *IEEE Transactions on Software Engineering*, 17(9):884–899, September 1991.

**Corbett:1996:EDD****Ciardo:1999:DES****Corbett:1996:TAA****Chmura:1990:ESD****Callahan:1991:PSH****Constantine:1990:CRC****Coen-Portisini:1991:SSS**



1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=92907>.
- [CPGK97] **Coen-Porisini:1997:SRS**  
A. Coen-Porisini, C. Ghezzi, and R. A. Kemmerer. Specification of realtime systems using ASTRAL. *IEEE Transactions on Software Engineering*, 23(9):572–598, September 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=629494>.
- [CPKM94] **Coen-Porisini:1994:FFA**  
A. Coen-Porisini, R. A. Kemmerer, and D. Mandrioli. A formal framework for ASTRAL intralevel proof obligations. *IEEE Transactions on Software Engineering*, 20(8):548–561, August 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=310665>.
- [CRCK98] **Carroll:1998:RDS**  
J. M. Carroll, M. B. Rosson, G. Chin, and J. Koenemann. Requirements development in scenario-based design. *IEEE Transactions on Software Engineering*, 24(12):1156–1170, December 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=738344>.
- [CRL99] **Chandra:1999:TDS**  
S. Chandra, B. Richards, and J. R. Larus. Teapot: a domain-specific language for writing cache coherence protocols. *IEEE Transactions on Software Engineering*, 25(3):317–333, May/June 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=798322>.
- [CS91] **Cherniavsky:1991:WAS**  
J. C. Cherniavsky and C. H. Smith. On Weyuker’s axioms for software complexity measures. *IEEE Transactions on Software Engineering*, 17(6):636–638, June 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=87287>.
- [CS92] **Carson:1992:APU**  
S. D. Carson and S. Setia. Analysis of the periodic update write policy for disk cache. *IEEE Transactions on Software Engineering*, 18(1):44–54, January 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=120315>.
- [CS94] **Campodonico:1994:BAL**  
S. Campodonico and N. D. Singpurwalla. A Bayesian

- analysis of the logarithmic-Poisson execution time model based on expert opinion and failure data. *IEEE Transactions on Software Engineering*, 20(9):677–683, September 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=317426>. [CT98]
- Chiola:1999:GEI**
- [CS99] G. Chiola and W. H. Sanders. Guest editorial: Introduction to the special section. *IEEE Transactions on Software Engineering*, 25(2):145–146, March/April 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=761441>.
- Churcher:1995:CMS**
- [CSCK95] N. I. Churcher, M. J. Sheperd, S. Chidamber, and C. F. Kemerer. Comments on “A metrics suite for object oriented design”. *IEEE Transactions on Software Engineering*, 21(3):263–265, March 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=372153>. See [CK94b].
- Chu:1991:TRT**
- [CSL91] W. W. Chu, C. M. Sit, and K. K. Leung. Task response time for real-time distributed systems with resource contentions. *IEEE Transactions on Software Engineering*, 17(10):1076–1092, October 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=99195>.
- Carver:1998:USC**
- R. H. Carver and Kuo-Chung Tai. Use of sequencing constraints for specification-based testing of concurrent programs. *IEEE Transactions on Software Engineering*, 24(6):471–490, June 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=689403>.
- Ciancarini:1998:CMA**
- [CTV+98] P. Ciancarini, R. Tolksdorf, F. Vitali, D. Rossi, and A. Knoche. Coordinating multiagent applications on the WWW: a reference architecture. *IEEE Transactions on Software Engineering*, 24(5):362–375, May 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=685259>.
- Cugola:1998:TDP**
- [Cug98] G. Cugola. Tolerating deviations in process support systems via flexible enactment of process models. *IEEE Transactions on Software Engineering*, 24(11):982–1001, Novem-

- ber 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=730546>. [CY94]
- Cook:1998:CEA**
- [CVW98] J. E. Cook, L. G. Votta, and A. L. Wolf. Cost-effective analysis of in-place software processes. *IEEE Transactions on Software Engineering*, 24(8):650–663, August 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=707700>. [CY96]
- Craig:1990:RRT**
- [CW90] D. W. Craig and C. M. Woodside. The rejection rate for tasks with random arrivals, deadlines, and preemptive scheduling. *IEEE Transactions on Software Engineering*, 16(10):1198–1208, October 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60299>. [DA91]
- Cornell:1990:EAV**
- [CY90] D. W. Cornell and P. S. Yu. An effective approach to vertical partitioning for physical design of relational databases. *IEEE Transactions on Software Engineering*, 16(2):248–258, February 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44388>. [Dan94]
- Chen:1994:RBP**
- T. Y. Chen and Y. T. Yu. On the relationship between partition and random testing. *IEEE Transactions on Software Engineering*, 20(12):977–980, December 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=368132>.
- Chen:1996:ENF**
- T. Y. Chen and Y. T. Yu. On the expected number of failures detected by subdomain testing and random testing. *IEEE Transactions on Software Engineering*, 22(2):109–119, February 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=485221>.
- Dotan:1991:UFC**
- Y. Dotan and B. Arazi. Using flat concurrent Prolog in system modeling. *IEEE Transactions on Software Engineering*, 17(6):493–512, June 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=87277>.
- Danzig:1994:FCL**
- P. B. Danzig. Flow control for limited buffer multicast.

- IEEE Transactions on Software Engineering*, 20(1):1–12, January 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=263751>.
- [Das92] **Daskalantonakis:1992:PVS** M. K. Daskalantonakis. A practical view of software measurement and implementation experiences within Motorola. *IEEE Transactions on Software Engineering*, 18(11):998–1010, November 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=177369>. See correction [Das93].
- [Das93] **Daskalantonakis:1993:CPV** M. K. Daskalantonakis. Correction to “A practical view of software measurement and implementation experiences within Motorola”. *IEEE Transactions on Software Engineering*, 19(2):199–200, February 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=214837>. See [Das92].
- [DB98] **Dutoit:1998:CMS** A. H. Dutoit and B. Bruegge. Communication metrics for software development. *IEEE Transactions on Software Engineering*, 24(8):615–628, August 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=707697>.
- [DC95] **Dean:1995:STS** T. R. Dean and J. R. Cordy. A syntactic theory of software architecture. *IEEE Transactions on Software Engineering*, 21(4):302–313, April 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=385969>.
- [DC96] **Dwyer:1996:CPN** M. B. Dwyer and L. A. Clarke. A compact Petri net representation and its implications for analysis. *IEEE Transactions on Software Engineering*, 22(11):794–811, November 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=553699>.
- [DCN93] **DelBimbo:1993:TDI** A. Del Bimbo, M. Campanai, and P. Nesi. A three-dimensional iconic environment for image database querying. *IEEE Transactions on Software Engineering*, 19(10):997–1011, October 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=214837>.

ieeexplore.ieee.org/stamp/  
stamp.jsp?arnumber=245741.

**DeVries:1990:RNM**

- [De 90] R. C. De Vries. Reducing null messages in Misra's distributed discrete event simulation method. *IEEE Transactions on Software Engineering*, 16(1):82–91, January 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44366>.

**Devanbu:1995:FSC**

- [Dev95] P. Devanbu. On “A framework for source code search using program patterns”. *IEEE Transactions on Software Engineering*, 21(12):1009–1010, December 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=489076>. See [PP94].

**Dzida:1998:MUS**

- [DF98] W. Dzida and R. Freitag. Making use of scenarios for validating analysis and design. *IEEE Transactions on Software Engineering*, 24(12):1182–1196, December 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=738346>.

**Desharnais:1998:ISS**

- [DFKM98] J. Desharnais, M. Frappier, R. Khedri, and A. Mili. Integration of sequential scenarios. *IEEE Transactions on Software Engineering*, 24(9):695–708, September 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=713325>.

**DeNicola:1998:KKL**

- [DFP98] R. De Nicola, G. L. Ferrari, and R. Pugliese. KLAIM: a kernel language for agents interaction and mobility. *IEEE Transactions on Software Engineering*, 24(5):315–330, May 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=685256>.

**DeglInnocenti:1990:RFE**

- [DFPT90] M. Degl'Innocenti, G. L. Ferrari, G. Pacini, and F. Turini. RSF: a formalism for executable requirement specifications. *IEEE Transactions on Software Engineering*, 16(11):1235–1246, November 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60312>.

**Davidson:1992:SIS**

- [DH92] J. W. Davidson and A. M. Holler. Subprogram inlining:

a study of its effects on program execution time. *IEEE Transactions on Software Engineering*, 18(2):89–102, February 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=121752>.

**DiFelice:1993:RMS**

- [Di 93] P. Di Felice. Reusability of mathematical software: a contribution. *IEEE Transactions on Software Engineering*, 19(8):835–843, August 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=238586>.

**Dillon:1990:VGS**

- [Dil90] L. K. Dillon. Verifying general safety properties of Ada tasking programs. *IEEE Transactions on Software Engineering*, 16(1):51–63, January 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44363>.

**Dolev:1995:AET**

- [DIM95] S. Dolev, A. Israeli, and S. Moran. Analyzing expected time by scheduler-luck games. *IEEE Transactions on Software Engineering*, 21(5):429–439, May 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=387472>.

[DJC94]

[ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=387472](http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=387472).

**Diaz:1994:OCF**

M. Diaz, G. Juanole, and J. P. Courtiat. Observer — a concept for formal on-line validation of distributed systems. *IEEE Transactions on Software Engineering*, 20(12):900–913, December 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=368136>.

**Deubler:1994:IOO**

[DK94]

H. H. Deubler and M. Koestler. Introducing object orientation into large and complex systems. *IEEE Transactions on Software Engineering*, 20(11):840–848, November 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=368124>.

**Dimitrov:1991:OTP**

[DKKP91]

B. Dimitrov, Z. Khalil, N. Kolev, and P. Petrov. On the optimal total processing time using checkpoints. *IEEE Transactions on Software Engineering*, 17(5):436–442, May 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=90446>.

- DeMillo:1991:DSC**
- [DL91] R. A. DeMillo and R. J. Lipton. Defining software by continuous, smooth functions. *IEEE Transactions on Software Engineering*, 17(4):383–384, April 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=90437>.
- Ding:1990:FAD**
- [DM90] C. Ding and P. Mateti. A framework for the automated drawing of data structure diagrams. *IEEE Transactions on Software Engineering*, 16(5):543–557, May 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=52777>.
- Dalal:1994:WST**
- [DM94] S. R. Dalal and A. A. McIntosh. When to stop testing for large software systems with changing code. *IEEE Transactions on Software Engineering*, 20(4):318–323, April 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=277579>.
- DeMillo:1995:SCR**
- [DMW<sup>+</sup>95] R. A. DeMillo, A. P. Mathur, W. E. Wong, P. G. Frankl, and E. J. Weyuker. Some critical remarks on a hierarchy of fault-detecting abilities of test methods [and reply]. *IEEE Transactions on Software Engineering*, 21(10):858–863, October 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=469455>.
- DeMillo:1991:CBA**
- [DO91] R. A. DeMillo and A. J. Offutt. Constraint-based automatic test data generation. *IEEE Transactions on Software Engineering*, 17(9):900–910, September 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=92910>. See corrigendum [Gir93].
- Delis:1993:PCT**
- [DR93] A. Delis and N. Roussopoulos. Performance comparison of three modern DBMS architectures. *IEEE Transactions on Software Engineering*, 19(2):120–138, February 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=214830>.
- Dromey:1995:MSP**
- [Dro95] R. G. Dromey. A model for software product quality. *IEEE Transactions on Software Engineering*, 21(2):146–162, February 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-

3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=345830>.

**Dubois:1990:MAD**

- [DS90] M. Dubois and C. Scheurich. Memory access dependencies in shared-memory multiprocessors. *IEEE Transactions on Software Engineering*, 16(6):660–673, June 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=55094>.

**Dillon:1997:ISI**

- [DS97a] L. K. Dillon and S. Sankar. Introduction to the special issue. *IEEE Transactions on Software Engineering*, 23(5):265–266, May 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=590647>.

**Dutertre:1997:FRA**

- [DS97b] B. Dutertre and V. Stavridou. Formal requirements analysis of an avionics control system. *IEEE Transactions on Software Engineering*, 23(5):267–278, May 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=588520>.

**Deavours:1998:FST**

- [DS98] D. D. Deavours and W. H. Sanders. “On-the-fly” solution techniques for stochastic Petri

nets and extensions. *IEEE Transactions on Software Engineering*, 24(10):889–902, October 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=729691>.

**DePaoli:1994:CLC**

- [DT94] F. De Paoli and F. Tisato. CSDL: a language for cooperative systems design. *IEEE Transactions on Software Engineering*, 20(8):606–616, August 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=310670>.

**Debray:1990:TBC**

- [DW90] S. K. Debray and D. S. Warren. Towards banishing the cut from Prolog. *IEEE Transactions on Software Engineering*, 16(3):335–349, March 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=48941>.

**DeAntonellis:1990:DAO**

- [DZ90] V. De Antonellis and B. Zonta. A disciplined approach to office analysis. *IEEE Transactions on Software Engineering*, 16(8):822–828, August 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=48941>.



ieeexplore.ieee.org/stamp/  
stamp.jsp?arnumber=57621.

**Ebert:1992:CVT**

- [Ebe92] C. Ebert. Correspondence visualization techniques for analyzing and evaluating software measures. *IEEE Transactions on Software Engineering*, 18(11):1029–1034, November 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=177373>.

**Ebrahimi:1997:SAN**

- [Ebr97] N. B. Ebrahimi. On the statistical analysis of the number of errors remaining in a software design document after inspection. *IEEE Transactions on Software Engineering*, 23(8):529–532, August 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=624308>.

**Ebrahimi:1999:HIC**

- [Ebr99] N. B. Ebrahimi. How to improve the calibration of cost models. *IEEE Transactions on Software Engineering*, 25(1):136–140, January/February 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=748922>.

**Eckhardt:1991:EES**

- [ECK<sup>+</sup>91] D. E. Eckhardt, A. K. Caglayan, J. C. Knight, L. D. Lee, D. F. McAllister, M. A. Vouk, and J. P. J. Kelly. An experimental evaluation of software redundancy as a strategy for improving reliability. *IEEE Transactions on Software Engineering*, 17(7):692–702, July 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=83905>.

**Eisenstadt:1990:VKE**

- [EDRM90] M. Eisenstadt, J. Domingue, T. Rajan, and E. Motta. Visual knowledge engineering. *IEEE Transactions on Software Engineering*, 16(10):1164–1177, October 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60296>.

**Edwards:1997:RIS**

- [Edw97] S. H. Edwards. Representation inheritance: a safe form of “white box” code inheritance. *IEEE Transactions on Software Engineering*, 23(2):83–92, February 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=585498>.

- Emmerich:1999:MSC**
- [EFM<sup>+</sup>99] W. Emmerich, A. Finkelstein, C. Montangero, S. Antonelli, S. Armitage, and R. Stevens. Managing standards compliance. *IEEE Transactions on Software Engineering*, 25(6):836–851, November/December 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=824413>.
- Eich:1990:PFG**
- [EG90] M. H. Eich and S. M. Garard. The performance of flow graph locking. *IEEE Transactions on Software Engineering*, 16(4):477–483, April 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=54301>.
- Etessami:1991:RBD**
- [EH91] F. A. Etessami and G. S. Hura. Rule-based design methodology for solving control problems. *IEEE Transactions on Software Engineering*, 17(3):274–282, March 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=75416>.
- Ernst:1994:MVD**
- [EHO94] G. W. Ernst, R. J. Hookway, and W. F. Ogden. Modular verification of data abstractions with shared realizations. *IEEE Transactions on Software Engineering*, 20(4):288–307, April 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=277576>.
- Erdogmus:1990:SSC**
- [EJ90] M. H. Erdogmus and R. Johnston. On the specification and synthesis of communicating processes. *IEEE Transactions on Software Engineering*, 16(12):1412–1426, December 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=62449>.
- Easterbrook:1998:EUL**
- [ELC<sup>+</sup>98] S. Easterbrook, R. Lutz, R. Covington, J. Kelly, Y. Ampo, and D. Hamilton. Experiences using lightweight formal methods for requirements modeling. *IEEE Transactions on Software Engineering*, 24(1):4–14, January 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=663994>.
- Elliott:1999:EML**
- [El199] C. Elliott. An embedded modeling language approach to interactive 3d and multimedia animation. *IEEE Transactions on Software Engineering*, 25(3):291–308, May/June

1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=798320>. [FC99]
- [Eng99] D. R. Engler. Interface compilation: steps toward compiling program interfaces as languages. *IEEE Transactions on Software Engineering*, 25(3):387–400, May/June 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=798327>. [Engler:1999:ICS]
- [ESS92] S. C. Eick, J. L. Steffen, and E. E. Sumner. Seesoft — a tool for visualizing line oriented software statistics. *IEEE Transactions on Software Engineering*, 18(11):957–968, November 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=177365>. [Eick:1992:STV]
- [Fal92] B. J. Falkowski. Comments on an optimal set of indices for a relational database. *IEEE Transactions on Software Engineering*, 18(2):168–171, February 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=121758>. [Falkowski:1992:COS]
- [Fetzer:1999:HAL] C. Fetzer and F. Cristian. A highly available local leader election service. *IEEE Transactions on Software Engineering*, 25(5):603–618, September/October 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=815321>.
- [FD94] M. Flatebo and A. K. Datta. Two-state self-stabilizing algorithms for token rings. *IEEE Transactions on Software Engineering*, 20(6):500–504, June 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=295897>. [Flatebo:1994:TSS]
- [Fea98] M. S. Feather. Rapid application of lightweight formal methods for consistency analyses. *IEEE Transactions on Software Engineering*, 24(11):949–959, November 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=730544>. [Feather:1998:RAL]
- [FEG92] B. Fields and M. Elvang-Goransson. A VDM case study in mural. *IEEE Transactions on Software Engineering*, 18(4):279–295, April 1992. [Fields:1992:VCS]

1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=129217>. [FF96]
- Frakes:1996:QIU**
- W. B. Frakes and C. J. Fox. Quality improvement using a software reuse failure modes model. *IEEE Transactions on Software Engineering*, 22(4):274–279, April 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=491652>.
- Focardi:1997:CSC**
- R. Focardi and R. Gorrieri. The compositional security checker: a tool for the verification of information flow security properties. *IEEE Transactions on Software Engineering*, 23(9):550–571, September 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=629493>.
- Finkelstein:1994:IHM**
- A. C. W. Finkelstein, D. Gabbay, A. Hunter, J. Kramer, and B. Nuseibeh. Inconsistency handling in multiperspective specifications. *IEEE Transactions on Software Engineering*, 20(8):569–578, August 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=310667>.
- Feldman:1990:NST**
- [Fel90] F. A. Feldman. A new spectral test for nonrandomness and the DES. *IEEE Transactions on Software Engineering*, 16(3):261–267, March 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=48934>. [FG97]
- Fenton:1994:SMN**
- [Fen94] N. Fenton. Software measurement: a necessary scientific basis. *IEEE Transactions on Software Engineering*, 20(3):199–206, March 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=268921>.
- Ferscha:1999:ATW**
- [Fer99] A. Ferscha. Adaptive time warp simulation of timed Petri nets. *IEEE Transactions on Software Engineering*, 25(2):237–257, March/April 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=761448>. [FGH<sup>+</sup>94]

- [FGNR92] **Fischer:1992:SSD**  
 G. Fischer, A. Girgensohn, K. Nakakoji, and D. Redmiles. Supporting software designers with integrated domain-oriented design environments. *IEEE Transactions on Software Engineering*, 18(6):511–522, June 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=142873>.
- [FH92] **Fickas:1992:KRR**  
 S. Fickas and B. R. Helm. Knowledge representation and reasoning in the design of composite systems. *IEEE Transactions on Software Engineering*, 18(6):470–482, June 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=142870>.
- [FH97] **Faulk:1997:ISS**  
 S. R. Faulk and C. Heitmeyer. Introduction to the special section. *IEEE Transactions on Software Engineering*, 23(4):201–202, April 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=590653>.
- [FHLS98] **Frankl:1998:ETM**  
 P. G. Frankl, R. G. Hamlet, B. Littlewood, and L. Strigini. Evaluating testing methods by delivered reliability [software]. *IEEE Transactions on Software Engineering*, 24(8):586–601, August 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=707695>.
- [FHLS99] **Franki:1999:CP**  
 P. Franki, D. Hamlet, B. Littlewood, and L. Strigini. Call for papers. *IEEE Transactions on Software Engineering*, 25(2):286, March/April 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=761452>.
- [Fin96] **Finney:1996:MNF**  
 K. Finney. Mathematical notation in formal specification: too difficult for the masses? *IEEE Transactions on Software Engineering*, 22(2):158–159, February 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=485225>.
- [FKV91] **Fraser:1991:IFR**  
 M. D. Fraser, K. Kumar, and V. K. Vaishnavi. Informal and formal requirements specification languages: bridging the gap. *IEEE Transactions on Software Engineering*, 17(5):454–466, May 1991. CODEN IESEDJ. ISSN

- 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=90448>.
- [FL97] **Feng:1997:ASR** Wu-Chun Feng and J. W. S. Liu. Algorithms for scheduling real-time tasks with input error and end-to-end deadlines. *IEEE Transactions on Software Engineering*, 23(2):93–106, February 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=585499>.
- [FM94] **Franceschinis:1994:CBP** G. Franceschinis and R. R. Muntz. Computing bounds for the performance indices of quasi-lumpable stochastic well-formed nets. *IEEE Transactions on Software Engineering*, 20(7):516–525, July 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=297940>.
- [FMM94] **Felder:1994:PPR** M. Felder, D. Mandrioli, and A. Morzenti. Proving properties of real-time systems through logical specifications and Petri net models. *IEEE Transactions on Software Engineering*, 20(2):127–141, February 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=265634>.
- [FN91] **Florin:1991:GQN** G. Florin and S. Natkin. Generalization of queueing network product form solutions to stochastic Petri nets. *IEEE Transactions on Software Engineering*, 17(2):99–107, February 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67591>.
- [FN98] **Fenton:1998:SIS** N. E. Fenton and M. Neil. A strategy for improving safety related software engineering standards. *IEEE Transactions on Software Engineering*, 24(11):1002–1013, November 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=730547>.
- [FN99] **Fenton:1999:CSD** N. E. Fenton and M. Neil. A critique of software defect prediction models. *IEEE Transactions on Software Engineering*, 25(5):675–689, September/October 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=815326>.

- Foo:1993:CDS**
- [Foo93] N. Y. Foo. Comments on “Defining software by continuous smooth functions” by R. A. De Millo and R. J. Lipton. *IEEE Transactions on Software Engineering*, 19(3):307–309, March 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=221140>.
- Frakes:1994:ESR**
- [FP94] W. B. Frakes and T. P. Pole. An empirical study of representation methods for reusable software components. *IEEE Transactions on Software Engineering*, 20(8):617–630, August 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=310671>.
- Fuggetta:1998:UCM**
- [FPV98] A. Fuggetta, G. P. Picco, and G. Vigna. Understanding code mobility. *IEEE Transactions on Software Engineering*, 24(5):342–361, May 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=685258>.
- Franklin:1996:DIS**
- [FR96] M. K. Franklin and M. K. Reiter. The design and implementation of a secure auction service. *IEEE Transactions on Software Engineering*, 22(5):302–312, May 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=502223>.
- France:1992:SED**
- [Fra92] R. B. France. Semantically extended dataflow diagrams: a formal specification tool. *IEEE Transactions on Software Engineering*, 18(4):329–346, April 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=129221>.
- Freedman:1991:TSC**
- [Fre91] R. S. Freedman. Testability of software components. *IEEE Transactions on Software Engineering*, 17(6):553–564, June 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=87281>.
- Fuggetta:1998:ISS**
- [FT98] A. Fuggetta and R. N. Taylor. Introduction to the special section. *IEEE Transactions on Software Engineering*, 24(8):585, August 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=707694>.

**Ferrucci:1996:SBI**

- [FTTV96] F. Ferrucci, G. Tortora, M. Tucci, and G. Vitiello. Semantics-based inference algorithms for adaptive visual environments. *IEEE Transactions on Software Engineering*, 22(10):730–750, October 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=544351>.

**Fujiwara:1991:TSB**

- [FvBK<sup>+</sup>91] S. Fujiwara, G. v. Bochmann, F. Khendek, M. Amalou, and A. Ghedamsi. Test selection based on finite state models. *IEEE Transactions on Software Engineering*, 17(6):591–603, June 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=87284>.

**Frankl:1993:ECE**

- [FW93a] P. G. Frankl and S. N. Weiss. An experimental comparison of the effectiveness of branch testing and data flow testing. *IEEE Transactions on Software Engineering*, 19(8):774–787, August 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=238581>.

**Frankl:1993:FAF**

- [FW93b] P. G. Frankl and E. J. Weyuker. A formal analy-

sis of the fault-detecting ability of testing methods. *IEEE Transactions on Software Engineering*, 19(3):202–213, March 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=221133>.

**Frankl:1993:PIB**

- [FW93c] P. G. Frankl and E. J. Weyuker. Provable improvements on branch testing. *IEEE Transactions on Software Engineering*, 19(10):962–975, October 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=245738>.

**Gaeta:1996:EDE**

- [Gae96] R. Gaeta. Efficient discrete-event simulation of colored Petri nets. *IEEE Transactions on Software Engineering*, 22(9):629–639, September 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=541434>.

**Gupta:1991:PAT**

- [GAF91] A. Gupta, I. F. Akyildiz, and R. M. Fujimoto. Performance analysis of Time Warp with multiple homogeneous processors. *IEEE Transactions on Software Engineering*, 17(10):1013–1027, October 1991. CODEN IESEDJ.



- ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=99190>.
- [Gai91] J. Gait. Stability, availability, and response in network file service. *IEEE Transactions on Software Engineering*, 17(2):133–140, February 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67594>.
- [Gar98] D. Garlan. Guest editorial. Introduction to the special section. *IEEE Transactions on Software Engineering*, 24(7):497, July 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=708565>.
- [GCB<sup>+</sup>98] W. G. Griswold, M. I. Chen, R. W. Bowdidge, J. L. Cabaniss, V. B. Nguyen, and J. D. Morgenthaler. Tool support for planning the restructuring of data abstractions in large systems. *IEEE Transactions on Software Engineering*, 24(7):534–558, July 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=708568>.
- [GCG90] C. P. Gerrard, D. Coleman, and R. M. Gallimore. Formal specification and design time testing. *IEEE Transactions on Software Engineering*, 16(1):1–12, January 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44359>.
- [GDB90] N. Gorla, A. C. Benander, and B. A. Benander. Debugging effort estimation using software metrics. *IEEE Transactions on Software Engineering*, 16(2):223–231, February 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44385>.
- [GD93] G. Graefe and D. L. Davison. Encapsulation of parallelism and architecture-independence in extensible database query execution. *IEEE Transactions on Software Engineering*, 19(8):749–764, August 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=238579>.

**Gait:1991:SAR**

**Griswold:1998:TSP**

**Garlan:1998:GEI**

**Gerrard:1990:FSD**

**Gorla:1990:DEE**

**Graefe:1993:EPA**

- [GDG92] **Granda:1992:PEP**  
M. Granda, J. M. Drake, and J. A. Gregorio. Performance evaluation of parallel systems by using unbounded generalized stochastic Petri nets. *IEEE Transactions on Software Engineering*, 18(1):55–71, January 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=120316>.
- [GDT92] **Grassi:1992:OCC**  
V. Grassi, L. Donatiello, and S. Tucci. On the optimal checkpointing of critical tasks and transaction-oriented systems. *IEEE Transactions on Software Engineering*, 18(1):72–77, January 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=120317>.
- [GGH90] **Garland:1990:DLS**  
S. J. Garland, J. V. Guttag, and J. J. Horning. Debugging larch shared language specifications. *IEEE Transactions on Software Engineering*, 16(9):1044–1057, September 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=58789>.
- [GGJ+90] **Gallivan:1990:ECB**  
K. Gallivan, D. Gannon, W. Jalby, A. Malony, and H. Wijshoff. Experimentally characterizing the behavior of multiprocessor memory systems: a case study. *IEEE Transactions on Software Engineering*, 16(2):216–223, February 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44384>.
- [GH91] **Gouda:1991:AP**  
M. G. Gouda and T. Herman. Adaptive programming. *IEEE Transactions on Software Engineering*, 17(9):911–921, September 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=92911>.
- [GH95] **Gerber:1995:CRT**  
R. Gerber and Seongsoo Hong. Compiling real-time programs with timing constraint refinement and structural code motion. *IEEE Transactions on Software Engineering*, 21(5):389–404, May 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=387469>.
- [GHM98] **Grundy:1998:IMM**  
J. Grundy, J. Hosking, and W. B. Mugridge. Inconsistency management for multiple-view software development environments. *IEEE Transac-*

- tions on Software Engineering*, 24(11):960–981, November 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=730545>.
- [GHS95] R. Gerber, Seongsoo Hong, and M. Saksena. Guaranteeing real-time requirements with resource-based calibration of periodic processes. *IEEE Transactions on Software Engineering*, 21(7):579–592, July 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=392979>.
- [Gir93] M. R. Girgis. Corrigendum for “Constraint-based automatic test data generation” by R. A. DeMillo and A. J. Offutt. *IEEE Transactions on Software Engineering*, 19(6):640–??, June 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=232028>. See [DO91].
- [GJB96] D. Gupta, P. Jalote, and G. Barua. A formal framework for on-line software version change. *IEEE Transactions on Software Engineering*, 22(2):120–131, February 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=485222>.
- [GK91] G. K. Gill and C. F. Kemerer. Cyclomatic complexity density and software maintenance productivity. *IEEE Transactions on Software Engineering*, 17(12):1284–1288, December 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=106988>.
- [GKNV93] E. R. Gansner, E. Koutsofios, S. C. North, and K. P. Vo. A technique for drawing directed graphs. *IEEE Transactions on Software Engineering*, 19(3):214–230, March 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=221135>.
- [GL91] K. B. Gallagher and J. R. Lyle. Using program slicing in software maintenance. *IEEE Transactions on Software Engineering*, 17(8):751–761, August 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=83912>.

**Gerber:1995:GRT****Gill:1991:CCD****Girgis:1993:CCB****Gansner:1993:TDD****Gupta:1996:FFL****Gallagher:1991:UPS**

**Gerber:1992:LAA**

- [GL92] R. Gerber and I. Lee. A layered approach to automating the verification of real-time systems. *IEEE Transactions on Software Engineering*, 18(9):768–784, September 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=159838>.

**Ghezzi:1991:UHL**

- [GMMP91] C. Ghezzi, D. Mandrioli, S. Morasca, and M. Pezze. A unified high-level Petri net formalism for time-critical systems. *IEEE Transactions on Software Engineering*, 17(2):160–172, February 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67597>.

**Guaspari:1990:FVA**

- [GMP90] D. Guaspari, C. Marceau, and W. Polak. Formal verification of Ada programs. *IEEE Transactions on Software Engineering*, 16(9):1058–1075, September 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=58790>.

**Griswold:1995:ATM**

- [GN95] W. G. Griswold and D. Notkin. Architectural tradeoffs for a

meaning-preserving program restructuring tool. *IEEE Transactions on Software Engineering*, 21(4):275–287, April 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=385967>.

**Gallagher:1997:ATD**

- [GN97] M. J. Gallagher and V. Lakshmi Narasimhan. ADTEST: a test data generation suite for Ada software systems. *IEEE Transactions on Software Engineering*, 23(8):473–484, August 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=624304>.

**Ghezzi:1999:GEI**

- [GN99] C. Ghezzi and B. Nuseibeh. Guest editorial: introduction to the special section. *IEEE Transactions on Software Engineering*, 25(6):782–783, November/December 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=824393>.

**Goldschlag:1990:MVC**

- [Gol90] D. M. Goldschlag. Mechanically verifying concurrent programs with the Boyer–Moore prover. *IEEE Transactions on Software Engineering*, 16(9):1005–1023, September 1990.

- CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=58787>. [Gra91]
- Govindarajan:1993:EHF**
- [Gov93] R. Govindarajan. Exception handlers in functional programming languages. *IEEE Transactions on Software Engineering*, 19(8):826–834, August 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=238585>. [Gri94]
- Godefroid:1996:UPO**
- [GPS96] P. Godefroid, D. Peled, and M. Staskauskas. Using partial-order methods in the formal validation of industrial concurrent programs. *IEEE Transactions on Software Engineering*, 22(7):496–507, July 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=538606>. [GS90a]
- Gong:1996:CIS**
- [GQ96] Li Gong and Xiaolei Qian. Computational issues in secure interoperation. *IEEE Transactions on Software Engineering*, 22(1):43–52, January 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=481533>. [GS90b]
- Graefe:1991:HFM**
- G. Graefe. Heap-filter merge join: a new algorithm for joining medium-size inputs. *IEEE Transactions on Software Engineering*, 17(9):979–982, September 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=92919>.
- Griswold:1994:CLD**
- W. G. Griswold. Comments on “Language design for program manipulation”. *IEEE Transactions on Software Engineering*, 20(3):218–219, March 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=268924>. See [MDC92].
- Gaudiot:1990:DDP**
- J. L. Gaudiot and A. Sohn. Data-driven parallel production systems. *IEEE Transactions on Software Engineering*, 16(3):281–293, March 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=48936>.
- Gupta:1990:RSA**
- R. Gupta and M. L. Soffa. Region scheduling: an approach for detecting and redistributing parallelism. *IEEE*

*Transactions on Software Engineering*, 16(4):421–431, April 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=54294>.

**Grandi:1993:BAE**

- [GS93] F. Grandi and M. R. Scalas. Block access estimation for clustered data using a finite LRU buffer. *IEEE Transactions on Software Engineering*, 19(7):641–660, July 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=238566>.

**Go:1999:DFS**

- [GS99] Kentaro Go and N. Shiratori. A decomposition of a formal specification: an improved constraint-oriented method. *IEEE Transactions on Software Engineering*, 25(2):258–273, March/April 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=761449>.

**Goldman:1995:PPA**

- [GSM<sup>+</sup>95] K. J. Goldman, B. Swaminathan, P. McCartney, M. D. Anderson, and R. Sethuraman. The Programmers' Playground: I/O abstraction for user-configurable distributed applications. *IEEE Transac-*

*tions on Software Engineering*, 21(9):735–746, September 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=464547>.

**Ghosal:1991:PWS**

- [GST91] D. Ghosal, G. Serazzi, and S. K. Tripathi. The processor working set and its use in scheduling multiprocessor systems. *IEEE Transactions on Software Engineering*, 17(5):443–453, May 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=90447>.

**Greif:1992:CSC**

- [GSW92] I. Greif, A. Seliger, and W. Wehl. A case study of CES: a distributed collaborative editing system implemented in Argus. *IEEE Transactions on Software Engineering*, 18(9):827–839, September 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=159831>.

**Gutjahr:1995:OTD**

- [Gut95] W. J. Gutjahr. Optimal test distributions for software failure cost estimation. *IEEE Transactions on Software Engineering*, 21(3):219–228, March 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520

- (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=372149>. [Hal95]
- Gutjahr:1999:PTV**
- [Gut99] W. J. Gutjahr. Partition testing vs. random testing: the influence of uncertainty. *IEEE Transactions on Software Engineering*, 25(5):661–674, September/October 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=815325>. [Han95]
- Ganesan:1992:SMR**
- [GW92] R. Ganesan and S. Weiss. Scalar memory references in pipelined multiprocessors: a performance study. *IEEE Transactions on Software Engineering*, 18(1):78–86, January 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=120318>. [Har92]
- Haas:1999:EMN**
- [Haa99] P. J. Haas. Estimation methods for nonregenerative stochastic Petri nets. *IEEE Transactions on Software Engineering*, 25(2):218–236, March/April 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=761447>. [HBRY91]
- Hall:1995:CPR**
- R. J. Hall. Call path refinement profiles. *IEEE Transactions on Software Engineering*, 21(6):481–496, June 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=391375>.
- Han:1995:PPL**
- Jia Liang Han. Program partition and logic program analysis. *IEEE Transactions on Software Engineering*, 21(12):959–968, December 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=489072>.
- Harrison:1992:EBM**
- W. Harrison. An entropy-based measure of software complexity. *IEEE Transactions on Software Engineering*, 18(11):1025–1029, November 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=177371>.
- Hsu:1991:IRM**
- C. Hsu, M. Bouziane, L. Ratner, and L. Yee. Information resources management in heterogeneous, distributed environments: A metadatabase approach. *IEEE Transac-*

- tions on Software Engineering*, 17(6):604–625, June 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=87285>. [HDL90]
- Hildum:1990:LSP**
- [HC90] D. Hildum and J. Cohen. A language for specifying program transformations. *IEEE Transactions on Software Engineering*, 16(6):630–638, June 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=55091>. [Hel93]
- Harrison:1998:EMS**
- [HCN98] R. Harrison, S. J. Counsell, and R. V. Nithi. An evaluation of the MOOD set of object-oriented software metrics. *IEEE Transactions on Software Engineering*, 24(6):491–496, June 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=689404>. [Hem90]
- Halici:1991:OLT**
- [HD91] U. Halici and A. Dogac. An optimistic locking technique for concurrency control in distributed databases. *IEEE Transactions on Software Engineering*, 17(7):712–724, July 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=83907>. [Hanna:1990:SVU]
- F. K. Hanna, N. Daeche, and M. Longley. Specification and verification using dependent types. *IEEE Transactions on Software Engineering*, 16(9):949–964, September 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=58783>. [Hellerstein:1993:ASR]
- J. L. Hellerstein. Achieving service rate objectives with decay usage scheduling. *IEEE Transactions on Software Engineering*, 19(8):813–825, August 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=238584>. [Hemmendinger:1990:SAS]
- D. Hemmendinger. Specifying Ada server tasks with executable formal grammars. *IEEE Transactions on Software Engineering*, 16(7):741–754, July 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=56100>. [Heindl:1999:FOA]
- A. Heindl and R. German. A fourth-order algorithm with au-



- automatic stepsize control for the transient analysis of DSPNs. *IEEE Transactions on Software Engineering*, 25(2):194–206, March/April 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=761445>. [HJR91]
- [HGR92] G. L. Heileman, M. Georgiopoulos, and W. D. Roome. A general framework for concurrent simulation on neural network models. *IEEE Transactions on Software Engineering*, 18(7):551–562, July 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=148474>. [HKL94]
- [HH97] R. J. Hilderman and H. J. Hamilton. A note on regeneration with virtual copies. *IEEE Transactions on Software Engineering*, 23(1):56–59, January 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=581329>. [HKL+98]
- [Hir90] Y. Hirakawa. Comments, with reply, on “On the projection method for protocol verification” by T.-Y. Cheung. *IEEE Transactions on Software Engineering*, 16(3):370–371, March 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=48933>. See [Che86].
- [Hahn:1991:TSK] U. Hahn, M. Jarke, and T. Rose. Teamwork support in a knowledge-based information systems environment. *IEEE Transactions on Software Engineering*, 17(5):467–482, May 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=90449>.
- [Harbour:1994:TAF] M. G. Harbour, M. H. Klein, and J. P. Lehoczky. Timing analysis for fixed-priority scheduling of hard real-time systems. *IEEE Transactions on Software Engineering*, 20(1):13–28, January 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=263752>.
- [Heitmeyer:1998:UAM] C. Heitmeyer, J. Kirby, B. Labaw, M. Archer, and R. Bharadwaj. Using abstraction and model checking to detect safety violations in requirements specifications. *IEEE Transactions on Software Engineering*, 24(11):927–948, November 1998.

- ber 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=730543>. [HL96]
- Heering:1990:IGP**
- [HKR90] J. Heering, P. Klint, and J. Rekers. Incremental generation of parsers. *IEEE Transactions on Software Engineering*, 16(12):1344–1351, December 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=62443>.
- Han:1991:EEM**
- [HL91] J. Han and L. Liu. Efficient evaluation of multiple linear recursions. *IEEE Transactions on Software Engineering*, 17(12):1241–1252, December 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=106985>.
- Helman:1993:SFA**
- [HL93] P. Helman and G. Liepins. Statistical foundations of audit trail analysis for the detection of computer misuse. *IEEE Transactions on Software Engineering*, 19(9):886–901, September 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=241771>.
- Heimdahl:1996:CCH**
- M. P. E. Heimdahl and N. G. Leveson. Completeness and consistency in hierarchical state-based requirements. *IEEE Transactions on Software Engineering*, 22(6):363–377, June 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=508311>.
- Harel:1990:SWE**
- [HLN<sup>+</sup>90] D. Harel, H. Lachover, A. Naamad, A. Pnueli, M. Politi, R. Sherman, A. Shtull-Trauring, and M. Trakhtenbrot. STATEMATE: a working environment for the development of complex reactive systems. *IEEE Transactions on Software Engineering*, 16(4):403–414, April 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=54292>.
- Halbwachs:1992:PVR**
- [HLR92] N. Halbwachs, F. Lagnier, and C. Ratel. Programming and verifying real-time systems by means of the synchronous data-flow language LUSTRE. *IEEE Transactions on Software Engineering*, 18(9):785–793, September 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=159839>.

- [HM93] **Harrold:1993:UIP**  
 M. J. Harrold and B. Malloy. A unified interprocedural program representation for a maintenance environment. *IEEE Transactions on Software Engineering*, 19(6):584–593, June 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=232023>.
- [HM95] **Hariri:1995:HMA**  
 S. Hariri and H. Mutlu. Hierarchical modeling of availability in distributed systems. *IEEE Transactions on Software Engineering*, 21(1):50–56, January 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=341847>.
- [HM96] **Hitz:1996:CKM**  
 M. Hitz and B. Montazeri. Chidamber and Kemerer’s metrics suite: a measurement theory perspective. *IEEE Transactions on Software Engineering*, 22(4):267–271, April 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=491650>.
- [HM99] **Harrold:1999:GEI**  
 M. J. Harrold and H. A. Muller. Guest editorial: introduction to the special section. *IEEE Transactions on Software Engineering*, 25(6):747–748, November/December 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=824362>.
- [HMRS98] **Hurfin:1998:EDD**  
 M. Hurfin, M. Mizuno, M. Raynal, and M. Singhal. Efficient distributed detection of conjunctions of local predicates. *IEEE Transactions on Software Engineering*, 24(8):664–677, August 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=707701>.
- [HMT<sup>+</sup>90] **Heydon:1990:MVS**  
 A. Heydon, M. W. Maimone, J. D. Tygar, J. M. Wing, and A. M. Zaremski. Miro: visual specification of security. *IEEE Transactions on Software Engineering*, 16(10):1185–1197, October 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60298>.
- [HNR99] **Helary:1999:CID**  
 J. M. Helary, R. H. B. Netzer, and M. Raynal. Consistency issues in distributed checkpoints. *IEEE Transactions on Software Engineering*, 25(2):274–281, March/April 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

- (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=761450>. [Hol97]
- Honiden:1994:AAI**
- [HNUI94] S. Honiden, K. Nishimura, N. Uchihira, and K. Itoh. An application of artificial intelligence to object-oriented performance design for real-time systems. *IEEE Transactions on Software Engineering*, 20(11):849–867, November 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=368123>.
- Hailpern:1990:EOS**
- [HO90] B. Hailpern and H. Ossher. Extending objects to support multiple interfaces and access control. *IEEE Transactions on Software Engineering*, 16(11):1247–1257, November 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60313>.
- Hoffman:1990:CMI**
- [Hof90] D. Hoffman. On criteria for module interfaces. *IEEE Transactions on Software Engineering*, 16(5):537–542, May 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=52776>. See comments [Con90].
- Holzmann:1997:MCS**
- G. J. Holzmann. The model checker SPIN. *IEEE Transactions on Software Engineering*, 23(5):279–295, May 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=588521>. See comments [BCY01].
- Houstics:1990:MAR**
- [Hou90] C. E. Houstics. Module allocation of real-time applications to distributed systems. *IEEE Transactions on Software Engineering*, 16(7):699–709, July 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=56096>.
- Howden:1990:CAP**
- [How90] W. E. Howden. Comments analysis and programming errors. *IEEE Transactions on Software Engineering*, 16(1):72–81, January 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44365>.
- Hutchinson:1991:EEK**
- [HP91] N. C. Hutchinson and L. L. Peterson. The *x*-Kernel: an architecture for implementing network protocols. *IEEE Transactions on Software Engineering*, 17(1):64–76, January

1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67579>.
- [HPR<sup>+</sup>97] **Holtzblatt:1997:DRD**  
L. J. Holtzblatt, R. L. Piazza, H. B. Reubenstein, S. N. Roberts, and D. R. Harris. Design recovery for distributed systems. *IEEE Transactions on Software Engineering*, 23(7):461–472, July 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=605763>.
- [HPW98] **Haumer:1998:REV**  
P. Haumer, K. Pohl, and K. Weidenhaupt. Requirements elicitation and validation with real world scenes. *IEEE Transactions on Software Engineering*, 24(12):1036–1054, December 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=738338>.
- [HR94a] **Hatton:1994:HAS**  
L. Hatton and A. Roberts. How accurate is scientific software? *IEEE Transactions on Software Engineering*, 20(10):785–797, October 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=328993>.
- [HR94b] **Huang:1994:DAS**  
Yen-Min Huang and C. V. Ravishankar. Designing an agent synthesis system for cross-RPC communication. *IEEE Transactions on Software Engineering*, 20(3):188–198, March 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=268920>.
- [HR96] **Harrold:1996:SCA**  
M. J. Harrold and G. Rothermel. Separate computation of alias information for reuse. *IEEE Transactions on Software Engineering*, 22(7):442–460, July 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=538603>.
- [HR98] **Huang:1998:CPS**  
Y. M. Huang and C. V. Ravishankar. Constructive protocol specification using Cicero. *IEEE Transactions on Software Engineering*, 24(4):252–267, April 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=677183>.
- [HRPL<sup>+</sup>95] **Hayes-Roth:1995:DSS**  
B. Hayes-Roth, K. Pflieger, P. Lalanda, P. Morignot, and

- M. Balabanovic. A domain-specific software architecture for adaptive intelligent systems. *IEEE Transactions on Software Engineering*, 21(4):288–301, April 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=385968>. [HS91b]
- [HRS98] K. M. Hansen, A. P. Ravn, and V. Stavridou. From safety analysis to software requirements. *IEEE Transactions on Software Engineering*, 24(7):573–584, July 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=708570>. [HS93]
- [HS90] D. Haban and K. G. Shin. Application of real-time monitoring to scheduling tasks with random execution times. *IEEE Transactions on Software Engineering*, 16(12):1374–1389, December 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=62446>. [HS97]
- [HS91a] D. M. Hoffman and P. Strooper. Automated module testing in Prolog. *IEEE Transactions on Software Engineering*, 17(9):934–943, September 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=92913>. [HS91b]
- Hansen:1998:SAS**
- Humphrey:1991:PIS**
- W. S. Humphrey and N. D. Singpurwalla. Predicting (individual) software productivity. *IEEE Transactions on Software Engineering*, 17(2):196–207, February 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67600>. [HS93]
- Hamidzadeh:1993:SAR**
- B. Hamidzadeh and S. Shekhar. Specification and analysis of real-time problem solvers. *IEEE Transactions on Software Engineering*, 19(8):788–803, August 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=238582>. [HS97]
- Haban:1990:ART**
- Henderson-Sellers:1997:CSS**
- B. Henderson-Sellers. Corrigenda: “Software size estimation of object-oriented systems”. *IEEE Transactions on Software Engineering*, 23(4):260–261, April 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=588544>. See [Lar90].
- Hoffman:1991:AMT**

- [HT90] **Hamlet:1990:PTD**  
 D. Hamlet and R. Taylor. Partition testing does not inspire confidence [program testing]. *IEEE Transactions on Software Engineering*, 16(12):1402–1411, December 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=62448>.
- [HT91] **Henderson:1991:EPS**  
 W. Henderson and P. G. Taylor. Embedded processes in stochastic Petri nets. *IEEE Transactions on Software Engineering*, 17(2):108–116, February 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67592>.
- [HT93] **Huang:1993:RAP**  
 Y. Huang and S. K. Tripathi. Resource allocation for primary-site fault-tolerant systems. *IEEE Transactions on Software Engineering*, 19(2):108–119, February 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=214829>.
- [HT96] **Heintze:1996:MSP**  
 N. Heintze and J. D. Tygar. A model for secure protocols and their compositions. *IEEE Transactions on Software Engineering*, 22(1):16–30, January 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=481514>.
- [HTI90] **Hirakawa:1990:IPS**  
 M. Hirakawa, M. Tanaka, and T. Ichikawa. An iconic programming system, HI-VISUAL. *IEEE Transactions on Software Engineering*, 16(10):1178–1184, October 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60297>.
- [Hu97] **Hu:1997:EAS**  
 Qing Hu. Evaluating alternative software production functions. *IEEE Transactions on Software Engineering*, 23(6):379–387, June 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=601078>. See comments [PKJH99].
- [Hua90] **Huang:1990:SCP**  
 J. C. Huang. State constraints and pathwise decomposition of programs. *IEEE Transactions on Software Engineering*, 16(8):880–896, August 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=57625>.

- [HvB94] T. Higashino and G. v. Bochmann. Automatic analysis and test case derivation for a restricted class of LOTOS expressions with data parameters. *IEEE Transactions on Software Engineering*, 20(1):29–42, January 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=263753>.
- [HW91] T. Higashino and G. v. Bochmann. Automatic analysis and test case derivation for a restricted class of LOTOS expressions with data parameters. *IEEE Transactions on Software Engineering*, 20(1):29–42, January 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=263753>.
- [HW89] N. R. Howes and A. C. Weaver. Measurements of Ada overhead in OSI-style communications systems. *IEEE Transactions on Software Engineering*, 15(12):1507–1517, December 1989. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=58763>. See comments [Kar90a].
- [HW90] D. Haban and D. Wybraniec. A hybrid monitor for behavior and performance analysis of distributed systems. *IEEE Transactions on Software Engineering*, 16(2):197–211, February 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44382>.
- [HWR99] C. E. Hrischuk, C. Murray Woodside, and J. A. Rolia. Trace-based load characterization for generating performance software models. *IEEE Transactions on Software Engineering*, 25(1):122–135, January/February 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=748921>.
- [HW94] W. E. Howden and B. Wieand. QDA — a method for systematic informal program analysis. *IEEE Transactions on Software Engineering*, 20(6):445–462, June 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=295893>.
- [HW99] C. E. Hrischuk, C. Murray Woodside, and J. A. Rolia. Trace-based load characterization for generating performance software models. *IEEE Transactions on Software Engineering*, 25(1):122–135, January/February 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=748921>.
- [HYT91] I. Hatono, K. Yamagata, and H. Tamura. Modeling and on-
- Higashino:1994:AAT**
- Harms:1991:CSI**
- Howden:1994:QMS**
- Hrischuk:1999:TBL**
- Hatono:1991:MOS**
- Howes:1989:MAO**
- Haban:1990:HMB**



- line scheduling of flexible manufacturing systems using stochastic Petri nets. *IEEE Transactions on Software Engineering*, 17(2):126–132, February 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67588>.
- [HZO98] M. E. Helander, Ming Zhao, and N. Ohlsson. Planning models for software reliability and cost. *IEEE Transactions on Software Engineering*, 24(6):420–434, June 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=689400>.
- [IK96] T. Isakowitz and R. J. Kauffman. Supporting search for reusable software objects. *IEEE Transactions on Software Engineering*, 22(6):407–423, June 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=508314>.
- [IKK90] T. Ibaraki, T. Kameda, and N. Katoh. Multiversion cautious schedulers for database concurrency control. *IEEE Transactions on Software Engineering*, 16(3):302–315, March 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=48938>.
- [IKP95] K. Ilgun, R. A. Kemmerer, and P. A. Porras. State transition analysis: a rule-based intrusion detection approach. *IEEE Transactions on Software Engineering*, 21(3):181–199, March 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=372146>.
- [IKWZ90] A. Itai, S. Kutten, Y. Wolfstahl, and S. Zaks. Optimal distributed  $t$ -resilient election in complete networks. *IEEE Transactions on Software Engineering*, 16(4):415–420, April 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=54293>.
- [IM93] G. Iazeolla and F. Marinuzzi. LISPAC — a methodology and tool for the performance analysis of parallel systems and algorithms. *IEEE Transactions on Software Engineering*, 19(5):486–502, May 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=508314>.

**Ilgun:1995:STA****Helander:1998:PMS****Itai:1990:ODR****Isakowitz:1996:SSR****Ibaraki:1990:MCS****Iazeolla:1993:LMT**

- ieeexplore.ieee.org/stamp/  
stamp.jsp?arnumber=232014.
- [Jar98] **Inverardi:1995:FSA**
- [IW95] P. Inverardi and A. L. Wolf. Formal specification and analysis of software architectures using the chemical abstract machine model. *IEEE Transactions on Software Engineering*, 21(4):373–386, April 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=385973>.
- [Jac91] **Jacob:1991:UPC**
- [Jac91] J. Jacob. A uniform presentation of confidentiality properties. *IEEE Transactions on Software Engineering*, 17(11):1186–1194, November 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=106973>.
- [Jac95] **Jacky:1995:SSC**
- [Jac95] J. Jacky. Specifying a safety-critical control system in z. *IEEE Transactions on Software Engineering*, 21(2):99–106, February 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=345826>.
- [Jar98] **Jarzabek:1998:DFS**
- [Jar98] S. Jarzabek. Design of flexible static program analyzers with PQL. *IEEE Transactions on Software Engineering*, 24(3):197–215, March 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=667879>.
- [Jaz98] **Jazayeri:1998:GEI**
- [Jaz98] M. Jazayeri. Guest editorial: Introduction to the special section. *IEEE Transactions on Software Engineering*, 24(9):681, September 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=713321>.
- [JC93] **Jaccheri:1993:TPM**
- [JC93] M. L. Jaccheri and R. Conradi. Techniques for process model evolution in EPOS. *IEEE Transactions on Software Engineering*, 19(12):1145–1156, December 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=249660>.
- [JD96] **Jackson:1996:ESA**
- [JD96] D. Jackson and C. A. Damon. Elements of style: analyzing a software design feature with a counterexample detector. *IEEE Transactions on Software Engineering*, 22(7):484–495, July

1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=538605>. [JLHM91]
- Johnson:1992:RPR**
- [JFH92] W. L. Johnson, M. S. Feather, and D. R. Harris. Representation and presentation of requirements knowledge. *IEEE Transactions on Software Engineering*, 18(10):853–869, October 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=163603>.
- Jarke:1998:ISI**
- [JKS98] M. Jarke and R. Kurki-Suonio. Introduction to the special issue. *IEEE Transactions on Software Engineering*, 24(12):1033–1035, December 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=738337>.
- Jeffery:1993:CFP**
- [JLB93] D. R. Jeffery, G. C. Low, and M. Barnes. A comparison of function point counting techniques. *IEEE Transactions on Software Engineering*, 19(5):529–532, May 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=232016>. [Joh95]
- Jaffe:1991:SRA**
- M. S. Jaffe, N. G. Leveson, M. P. E. Heimdahl, and B. E. Melhart. Software requirements analysis for real-time process-control systems. *IEEE Transactions on Software Engineering*, 17(3):241–258, March 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=75414>.
- Jahanian:1994:MSL**
- [JM94] F. Jahanian and A. K. Mok. Modechart: a specification language for real-time systems. *IEEE Transactions on Software Engineering*, 20(12):933–947, December 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=368134>.
- Jonsson:1997:QMS**
- [JO97] E. Jonsson and T. Olovsson. A quantitative model of the security intrusion process based on attacker behavior. *IEEE Transactions on Software Engineering*, 23(4):235–245, April 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=588541>.
- Johnson:1995:AAR**
- T. Johnson. Approximate analysis of reader/writer queues.

- IEEE Transactions on Software Engineering*, 21(3):209–218, March 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=372148>. [JZ98]
- Jorgensen:1995:EAS**
- [Jor95] M. Jorgensen. Experience with the accuracy of software maintenance task effort prediction models. *IEEE Transactions on Software Engineering*, 21(8):674–681, August 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=403791>.
- Joshi:1999:ARC**
- [JR99] R. K. Joshi and D. J. Ram. Anonymous remote computing: a paradigm for parallel programming on interconnected workstations. *IEEE Transactions on Software Engineering*, 25(1):75–90, January/February 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=748919>.
- Jeffery:1999:ESE**
- [JV99] D. R. Jeffery and L. G. Votta. Empirical software engineering. *IEEE Transactions on Software Engineering*, 25(4):435–437, July/August 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=799935>.
- Jackson:1998:DFC**
- M. Jackson and P. Zave. Distributed feature composition: a virtual architecture for telecommunications services. *IEEE Transactions on Software Engineering*, 24(10):831–847, October 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=729683>.
- Kailar:1996:AEC**
- [Kai96] R. Kailar. Accountability in electronic commerce protocols. *IEEE Transactions on Software Engineering*, 22(5):313–328, May 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=502224>.
- Karam:1990:CMA**
- [Kar90a] G. M. Karam. Comments on “Measurements of Ada overhead in OSI-style communications systems”. *IEEE Transactions on Software Engineering*, 16(12):1435–1439, December 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=62440>. See [HW89].

**Karam:1990:CIP**

- [Kar90b] G. M. Karam. Computational improvements in Prolog applications by predicate variable pointers. *IEEE Transactions on Software Engineering*, 16(5):490–497, May 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=52772>.

**Katcher:1993:EAF**

- [KAS93] D. I. Katcher, H. Arakawa, and J. K. Strosnider. Engineering and analysis of fixed priority schedulers. *IEEE Transactions on Software Engineering*, 19(9):920–934, September 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=241774>.

**Kaudel:1990:CAP**

- [Kau90] F. Kaudel. Comments on “Allocating programs containing branches and loops within a multiple processor system” by D. Towsley. *IEEE Transactions on Software Engineering*, 16(4):471–??, April 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=54298>. See [Tow86].

**Karam:1990:SCR**

- [KB90] G. M. Karam and R. J. A. Buhr. Starvation and critical race analyzers for Ada. *IEEE Transactions on Software Engineering*, 16(8):829–843, August 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=57622>.

**Karam:1991:TLB**

- [KB91] G. M. Karam and R. J. A. Buhr. Temporal logic-based deadlock analysis for Ada. *IEEE Transactions on Software Engineering*, 17(10):1109–1125, October 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=99197>. See comments [YLT93].

**Kunz:1995:UAP**

- [KB95] T. Kunz and J. P. Black. Using automatic process clustering for design recovery and distributed debugging. *IEEE Transactions on Software Engineering*, 21(6):515–527, June 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=391378>.

**Kanoun:1991:MSR**

- [KdBmS91] K. Kanoun, M. R. de Bastos Martini, and J. M. de Souza. A method for software reliability analysis and prediction

application to the TROPICOR switching system. *IEEE Transactions on Software Engineering*, 17(4):334–344, April 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=90433>.

**Kemper:1996:NAS**

[Kem96] P. Kemper. Numerical analysis of superposed GSPNs. *IEEE Transactions on Software Engineering*, 22(9):615–628, September 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=541433>.

**Kemper:1999:TAS**

[Kem99] P. Kemper. Transient analysis of superposed GSPNs. *IEEE Transactions on Software Engineering*, 25(2):182–193, March/April 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=761444>.

**Kinsley:1992:AVM**

[KH92a] K. C. Kinsley and C. E. Hughes. Analysis of a virtual memory model for maintaining database views. *IEEE Transactions on Software Engineering*, 18(5):402–409, May 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=135773>.

[KH92b]

[KIR<sup>+</sup>99]

[KIT93]

[ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=135773](http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=135773).

**Kleinrock:1992:PPS**

L. Kleinrock and J. H. Huang. On parallel processing systems: Amdahl's law generalized and some results on optimal design. *IEEE Transactions on Software Engineering*, 18(5):434–447, May 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=135776>.

**Kalbarczyk:1999:HSA**

Z. Kalbarczyk, R. K. Iyer, G. L. Ries, J. U. Patel, M. S. Lee, and Y. Xiao. Hierarchical simulation approach to accurate fault modeling for system dependability evaluation. *IEEE Transactions on Software Engineering*, 25(5):619–632, September/October 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=815322>.

**Kao:1993:FFI**

W. I. Kao, R. K. Iyer, and D. Tang. FINE: A fault injection and monitoring environment for tracing the UNIX system behavior under faults. *IEEE Transactions on Software Engineering*, 19(11):1105–1118, November 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=135773>.

- ieeexplore.ieee.org/stamp/  
stamp.jsp?arnumber=256857.
- [KL94] **Kitchenham:1998:PAU**
- [Kit98] B. Kitchenham. A procedure for analyzing unbalanced datasets. *IEEE Transactions on Software Engineering*, 24(4):278–301, April 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=677185>.
- [KK98] **Keck:1998:FSI** [KLB93]
- D. O. Keck and P. J. Kuehn. The feature and service interaction problem in telecommunications systems: a survey. *IEEE Transactions on Software Engineering*, 24(10):779–796, October 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=729680>.
- [KK99] **Krishnan:1999:MPC**
- M. S. Krishnan and M. I. Kellner. Measuring process consistency: implications for reducing software defects. *IEEE Transactions on Software Engineering*, 25(6):800–815, November/December 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=824401>.
- Kanoun:1994:SRT**
- K. Kanoun and J. C. Laprie. Software reliability trend analyses from theoretical to practical considerations. *IEEE Transactions on Software Engineering*, 20(9):740–747, September 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=317434>.
- Kramer:1993:CSR**
- B. Kramer, Luqi, and V. Berzins. Compositional semantics of a real-time prototyping language. *IEEE Transactions on Software Engineering*, 19(5):453–477, May 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=232012>.
- Kelly:1990:ADT**
- [KM90a] J. P. J. Kelly and S. C. Murphy. Achieving dependability throughout the development process: a distributed software experiment. *IEEE Transactions on Software Engineering*, 16(2):153–165, February 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44379>.
- Kramer:1990:EPP**
- [KM90b] J. Kramer and J. Magee. The evolving philosophers prob-

- lem: dynamic change management. *IEEE Transactions on Software Engineering*, 16(11):1293–1306, November 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60317>.
- [KM92] **Kato:1992:PCI**  
K. Kato and T. Masuda. Persistent caching: An implementation technique for complex objects with object identity. *IEEE Transactions on Software Engineering*, 18(7):631–645, July 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=148481>.
- [KM97] **Kaufmann:1997:IST**  
M. Kaufmann and J. S. Moore. An industrial strength theorem prover for a logic based on Common Lisp. *IEEE Transactions on Software Engineering*, 23(4):203–213, April 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=588534>.
- [KM99] **Karamanolis:1999:CAP**  
C. T. Karamanolis and J. N. Magee. Client-access protocols for replicated services. *IEEE Transactions on Software Engineering*, 25(1):3–21, January/February 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=748915>.
- [KMBR92] **Khoshgoftaar:1992:PMT**  
T. M. Khoshgoftaar, J. C. Munson, B. B. Bhattacharya, and G. D. Richardson. Predictive modeling techniques of software quality from software measures. *IEEE Transactions on Software Engineering*, 18(11):979–987, November 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=177367>.
- [KML96] **Kang:1996:NP**  
M. H. Kang, I. S. Moskowitz, and D. C. Lee. A network pump. *IEEE Transactions on Software Engineering*, 22(5):329–338, May 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=502225>.
- [KMR91] **Krauser:1991:HPS**  
E. W. Krauser, A. P. Mathur, and V. J. Rego. High performance software testing on SIMD machines. *IEEE Transactions on Software Engineering*, 17(5):403–423, May 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=502225>.



ieeexplore.ieee.org/stamp/  
stamp.jsp?arnumber=90444.

**Kozaczynski:1992:PCR**

- [KNE92] W. Kozaczynski, J. Ning, and A. Engberts. Program concept recognition and transformation. *IEEE Transactions on Software Engineering*, 18(12):1065–1075, December 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=184761>.

**Korel:1990:AST**

- [Kor90] B. Korel. Automated software test data generation. *IEEE Transactions on Software Engineering*, 16(8):870–879, August 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=57624>.

**Korel:1997:CDP**

- [Kor97] B. Korel. Computation of dynamic program slices for unstructured programs. *IEEE Transactions on Software Engineering*, 23(1):17–34, January 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=581327>.

**Kemmerer:1991:CFT**

- [KP91] R. A. Kemmerer and P. A. Porras. Covert flow trees: a visual approach to analyzing covert

storage channels. *IEEE Transactions on Software Engineering*, 17(11):1166–1185, November 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=106972>.

**Kemerer:1992:IRF**

- [KP92] C. F. Kemerer and B. S. Porter. Improving the reliability of function point measurement: an empirical study. *IEEE Transactions on Software Engineering*, 18(11):1011–1024, November 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=177370>.

**Kitchenham:1995:TFS**

- [KPF95] B. Kitchenham, S. Lawrence Pfleeger, and N. Fenton. Towards a framework for software measurement validation. *IEEE Transactions on Software Engineering*, 21(12):929–944, December 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=489070>. See comments [MBB<sup>+</sup>97] and reply [KPF97].

**Kitchenham:1997:RCT**

- [KPF97] B. Kitchenham, S. Lawrence Pfleeger, and N. Fenton. Reply to: Comments on “Towards a Framework of Software Measurement Validation”.

*IEEE Transactions on Software Engineering*, 23(3):189, March 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=585507>. See [MBB<sup>+</sup>97].

**Kay:1993:RGM**

- [KR93] A. Kay and J. N. Reed. A rely and guarantee method for timed CSP: a specification and design of a telephone exchange. *IEEE Transactions on Software Engineering*, 19(6):625–639, June 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=232027>.

**Krishnamurthy:1995:YGP**

- [KR95] B. Krishnamurthy and D. S. Rosenblum. Yeast: a general purpose event-action system. *IEEE Transactions on Software Engineering*, 21(10):845–857, October 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=469456>.

**Kshemkalyani:1991:IBV**

- [KS91] A. D. Kshemkalyani and M. Singhal. Invariant-based verification of a distributed deadlock detection algorithm. *IEEE Transactions on Software Engineering*, 17(8):789–799, August 1991. CODEN IESEDJ.

ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=83914>.

**Kurki-Suonio:1993:SDR**

- [KS93] R. Kurki-Suonio. Stepwise design of real-time systems. *IEEE Transactions on Software Engineering*, 19(1):56–69, January 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=210307>.

**Kiskis:1994:SSW**

- [KS94a] D. L. Kiskis and K. G. Shin. SWSL: a synthetic workload specification language for real-time systems. *IEEE Transactions on Software Engineering*, 20(10):798–811, October 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=328992>.

**Krueger:1994:ALP**

- [KS94b] P. Krueger and N. G. Shivaratni. Adaptive location policies for global scheduling. *IEEE Transactions on Software Engineering*, 20(6):432–444, June 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=295892>.

- [KS94c] **Kshemkalyani:1994:EDR**  
 A. D. Kshemkalyani and M. Singhal. Efficient detection and resolution of generalized distributed deadlocks. *IEEE Transactions on Software Engineering*, 20(1):43–54, January 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=263754>.
- [KS99a] **Kemerer:1999:EAS**  
 C. F. Kemerer and S. Slaughter. An empirical approach to studying software evolution. *IEEE Transactions on Software Engineering*, 25(4):493–509, July/August 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=799945>.
- [KS99b] **Klarlund:1999:DSL**  
 N. Klarlund and M. I. Schwartzbach. A domain-specific language for regular sets of strings and trees. *IEEE Transactions on Software Engineering*, 25(3):378–386, May/June 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=798326>.
- [KSB89] **Karam:1989:CRA**  
 G. M. Karam, C. M. Stanczyk, and G. W. Bond. Critical races in Ada programs. *IEEE Transactions on Software Engineering*, 15(11):1471–1480, November 1989. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=41338>. See comments [MO90].
- [KSH<sup>+</sup>92] **Kim:1992:ATN**  
 S. T. Kim, K. Suwunboriruksa, S. Herath, A. Jayasumana, and J. Herath. Algorithmic transformations for neural computing and performance of supervised learning on a dataflow machine. *IEEE Transactions on Software Engineering*, 18(7):613–623, July 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=148479>.
- [Kun91] **Kunz:1991:IDW**  
 T. Kunz. The influence of different workload descriptions on a heuristic load balancing scheme. *IEEE Transactions on Software Engineering*, 17(7):725–730, July 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=83908>.
- [KWM92] **Karunanithi:1992:PSR**  
 N. Karunanithi, D. Whitley, and Y. K. Malaiya. Prediction of software reliability using connectionist models. *IEEE Transactions on Software Engineering*, 18(7):563–574, July

1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=148475>. [Lan99]
- Karger:1991:RVV**
- [KZB+91] P. A. Karger, M. E. Zurko, D. W. Bonin, A. H. Mason, and C. E. Kahn. A retrospective on the VAX VMM security kernel. *IEEE Transactions on Software Engineering*, 17(11):1147–1165, November 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=106971>.
- Lamb:1990:SI**
- [Lam90] D. A. Lamb. Specification of iterators. *IEEE Transactions on Software Engineering*, 16(12):1352–1360, December 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=62444>.
- Lamport:1995:TP**
- [Lam95] L. Lamport. TLA in pictures. *IEEE Transactions on Software Engineering*, 21(9):768–775, September 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=464544>. [LB94]
- Lang:1999:EBA**
- S. D. Lang. An extended banker’s algorithm for deadlock avoidance. *IEEE Transactions on Software Engineering*, 25(3):428–432, May/June 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=798330>.
- Laranjeira:1990:SSE**
- [Lar90] L. A. Laranjeira. Software size estimation of object-oriented systems. *IEEE Transactions on Software Engineering*, 16(5):510–522, May 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=52774>. See corrigenda [HS97].
- Lor:1991:ASS**
- [LB91] K. W. E. Lor and D. M. Berry. Automatic synthesis of SARA design models from system requirements. *IEEE Transactions on Software Engineering*, 17(12):1229–1240, December 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=106984>.
- Lopez-Benitez:1994:DMA**
- [LB94] N. Lopez-Benitez. Dependability modeling and analysis of distributed programs. *IEEE*

- Transactions on Software Engineering*, 20(5):345–352, May 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=286421>.
- [LBJ<sup>+</sup>95] Sung-Soo Lim, Young Hyun Bae, Gyu Tae Jang, Byung-Do Rhee, Sang Lyul Min, Chang Yun Park, Heonshik Shin, Kunsoo Park, Soo-Mook Moon, and Chong Sang Kim. An accurate worst case timing analysis for RISC processors. *IEEE Transactions on Software Engineering*, 21(7):593–604, July 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=392980>.
- [LC92] Y. Liao and D. Cohen. A specification approach to high level program monitoring and measuring. *IEEE Transactions on Software Engineering*, 18(11):969–978, November 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=177366>.
- [LCK98] Woo Jin Lee, Sung Deok Cha, and Yong Rae Kwon. Integration and analysis of use cases using modular Petri nets in requirements engineering. *IEEE Transactions on Software Engineering*, 24(12):1115–1130, December 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=738342>.
- [LCKS90] N. G. Leveson, S. S. Cha, J. C. Knight, and T. J. Shimeall. The use of self checks and voting in software error detection: an empirical study. *IEEE Transactions on Software Engineering*, 16(4):432–443, April 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=54295>.
- [LDS<sup>+</sup>90] T. F. Lunt, D. E. Denning, R. R. Schell, M. Heckman, and W. R. Shockley. The SeaView security model. *IEEE Transactions on Software Engineering*, 16(6):593–607, June 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=55088>.
- [LDvB94] G. Luo, A. Das, and G. v. Bochmann. Software testing based on SDL specifications with save. *IEEE Transactions on Software Engineering*, 20(1):72–87, January 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=392980>.

**Lim:1995:AWC**

**Leveson:1990:USC**

**Liao:1992:SAH**

**Lunt:1990:SSM**

**Lee:1998:IAU**

**Luo:1994:STB**

- 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=263756>. [LHHR94]
- LeMetayer:1998:DSA**
- [Le 98] D. Le Metayer. Describing software architecture styles using graph grammars. *IEEE Transactions on Software Engineering*, 24(7):521–533, July 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=708567>. [LI95]
- Levendel:1990:RAL**
- [Lev90] Y. Levendel. Reliability analysis of large software systems: defect data modeling. *IEEE Transactions on Software Engineering*, 16(2):141–152, February 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44378>. [Liu98]
- Leite:1991:RVT**
- [LF91] J. C. S. P. Leite and P. A. Freeman. Requirements validation through viewpoint resolution. *IEEE Transactions on Software Engineering*, 17(12):1253–1269, December 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=106986>. [LJ90]
- Leveson:1994:RSP**
- N. G. Leveson, M. P. E. Heimdahl, H. Hildreth, and J. D. Reese. Requirements specification for process-control systems. *IEEE Transactions on Software Engineering*, 20(9):684–707, September 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=317428>.
- Lee:1995:SDT**
- Inhwan Lee and R. K. Iyer. Software dependability in the Tandem GUARDIAN system. *IEEE Transactions on Software Engineering*, 21(5):455–467, May 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=387474>.
- Liu:1998:PAS**
- Zhen Liu. Performance analysis of stochastic timed Petri nets using linear programming approach. *IEEE Transactions on Software Engineering*, 24(11):1014–1030, November 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=730548>.
- Low:1990:FPE**
- G. C. Low and D. R. Jeffery. Function points in the

- estimation and evaluation of the software process. *IEEE Transactions on Software Engineering*, 16(1):64–71, January 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44364>.
- [LJ98] Yow-Jian Lin and M. Jazayeri. Managing feature interactions telecommunications software systems — guest editorial. *IEEE Transactions on Software Engineering*, 24(10):777–778, October 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=729679>.
- [LJS<sup>+</sup>90] S. Leong, S. Jodis, K. Sullivan, O. Jiang, and P. A. D. de Maine. A transportable programming language (TPL) system. II. The bifunctional compiler system. *IEEE Transactions on Software Engineering*, 16(6):639–646, June 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=55092>.
- [LKS91] K. B. Lakshmanan, S. Jayaprakash, and P. K. Sinha. Properties of control-flow complexity measures. *IEEE Transactions on Software Engineering*, 17(12):1289–1295, December 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=106989>.
- [LKA<sup>+</sup>95] D. C. Luckham, J. J. Kenney, L. M. Augustin, J. Vera, D. Bryan, and W. Mann. Specification and analysis of system architecture using Rapide. *IEEE Transactions on Software Engineering*, 21(4):336–354, April 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=385971>.
- [LKBK91] J. C. Laprie, K. Kanoun, C. Beounes, and M. Kaaniche. The KAT (knowledge-action-transformation) approach to the modeling and evaluation of reliability and availability growth. *IEEE Transactions on Software Engineering*, 17(4):370–382,

**Lin:1998:MFIa**

[LK92]

**Laprie:1992:XWR****Luckham:1995:SAS****Leong:1990:TPL****Laprie:1991:KKA****Lakshmanan:1991:PCF**

- April 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=90436>.
- [LL97] Nam-Yong Lee and C. R. Litecky. An empirical study of software reuse with special attention to Ada. *IEEE Transactions on Software Engineering*, 23(9):537–549, September 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=629492>.
- [LLG98] F. J. Lin, Hong Liu, and A. Ghosh. A methodology for feature interaction detection in the AIN 0.1 framework. *IEEE Transactions on Software Engineering*, 24(10):797–817, October 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=729681>.
- [LM90] S. D. Lang and Y. Manolopoulos. Efficient expressions for completely and partly unsuccessful batched search of tree-structured files. *IEEE Transactions on Software Engineering*, 16(12):1433–1435, December 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=62451>.
- [LM95] H. Levy and R. J. T. Morris. Exact analysis of Bernoulli superposition of streams into a least recently used cache. *IEEE Transactions on Software Engineering*, 21(8):682–688, August 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=403792>.
- [LMM96] H. Levy, T. G. Messinger, and R. J. T. Morris. The cache assignment problem and its application to database buffer management. *IEEE Transactions on Software Engineering*, 22(11):827–838, November 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=553701>.
- [LMR92] M. Lejter, S. Meyers, and S. P. Reiss. Support for maintaining object-oriented programs. *IEEE Transactions on Software Engineering*, 18(12):1045–1052, December 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=184759>.

**Lee:1997:ESS**

**Levy:1995:EAB**

**Levy:1996:CAP**

**Lin:1998:MF1b**

**Lejter:1992:SMO**

**Lang:1990:EEC**



**Liu:1998:CSF**

- [LOHS98a] S. Liu, A. J. Offutt, and C. Ho-Stuart. Correction to “SOFL: A formal engineering methodology for industrial applications”. *IEEE Transactions on Software Engineering*, 24(5):390, May 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=685261>. See [LOHS+98b].

**Liu:1998:SFE**

- [LOHS+98b] Shaoying Liu, A. J. Offutt, C. Ho-Stuart, Y. Sun, and M. Ohba. SOFL: a formal engineering methodology for industrial applications. *IEEE Transactions on Software Engineering*, 24(1):24–45, January 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=663996>. See correction [LOHS98a].

**Lecerof:1998:ASU**

- [LP98a] A. Lecerof and F. Paterno. Automatic support for usability evaluation. *IEEE Transactions on Software Engineering*, 24(10):863–888, October 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=729686>.

**Lederer:1998:CMS**

- [LP98b] A. L. Lederer and J. Prasad. A causal model for software cost estimating error. *IEEE Transactions on Software Engineering*, 24(2):137–148, February 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=666827>.

**Lin:1992:DLB**

- [LR92] H. C. Lin and C. S. Raghavendra. A dynamic load-balancing policy with a central job dispatcher (LBC). *IEEE Transactions on Software Engineering*, 18(2):148–158, February 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=121756>.

**Ladd:1995:LIL**

- [LR95] D. A. Ladd and J. C. Ramming. A\*: a language for implementing language processors. *IEEE Transactions on Software Engineering*, 21(11):894–901, November 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=473218>.

**Lowe:1997:UCD**

- [LR97] G. Lowe and B. Roscoe. Using CSP to detect errors in the TMN protocol. *IEEE*

- Transactions on Software Engineering*, 23(10):659–669, October 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=637148>. [LS90b]
- Lee:1995:RAP**
- [LRF95] Yong-Fong Lee, B. G. Ryder, and M. E. Fiuczynski. Region analysis: a parallel elimination method for data flow analysis. *IEEE Transactions on Software Engineering*, 21(11):913–926, November 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=473220>.
- Litwin:1991:THC**
- [LRLH91] W. A. Litwin, N. Roussopoulos, G. Levy, and W. Hong. Trie hashing with controlled load. *IEEE Transactions on Software Engineering*, 17(7):678–691, July 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=83904>. [LS91]
- Lam:1990:RNS**
- [LS90a] S. S. Lam and A. U. Shankar. A relational notation for state transition systems. *IEEE Transactions on Software Engineering*, 16(7):755–775, July 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=56101>. [LS94]
- Liu:1990:SAR**
- L. Y. Liu and R. K. Shyamansundar. Static analysis of real-time distributed systems. *IEEE Transactions on Software Engineering*, 16(4):373–388, April 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=54290>.
- Lu:1990:MMS**
- [LS90c] W. P. Lu and M. K. Sundareshan. A model for multilevel security in computer networks. *IEEE Transactions on Software Engineering*, 16(6):647–659, June 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=55093>.
- Lee:1991:ELM**
- [LS91] S. Lee and S. Sluizer. An executable language for modeling simple behavior. *IEEE Transactions on Software Engineering*, 17(6):527–543, June 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=87279>.
- Lam:1994:TIM**
- [LS94] S. S. Lam and A. U. Shankar. A theory of interfaces and modules *I*-composition theorem. *IEEE*

- Transactions on Software Engineering*, 20(1):55–71, January 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=263755>.
- [LSH94] **Lortz:1995:SQP**  
V. B. Lortz and K. G. Shin. Semaphore queue priority assignment for real-time multiprocessor synchronization. *IEEE Transactions on Software Engineering*, 21(10):834–844, October 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=469457>.
- [LS99] **Lupu:1999:CPB**  
E. C. Lupu and M. Sloman. Conflicts in policy-based distributed systems management. *IEEE Transactions on Software Engineering*, 25(6):852–869, November/December 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=824414>.
- [LSB94] **Liu:1994:DAD**  
Ying Liu, A. K. Singh, and R. L. Bagrodia. A decomposition approach to the design of parallel programs. *IEEE Transactions on Software Engineering*, 20(12):914–932, December 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=368135>.
- [LSY94] **Lichter:1994:PIS**  
H. Lichter, M. Schneider-Hufschmidt, and H. Zulighoven. Prototyping in industrial software projects-bridging the gap between theory and practice. *IEEE Transactions on Software Engineering*, 20(11):825–832, November 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=368126>.
- [Luq90] **Li:1994:NSI**  
Jianan Li, I. Suzuki, and M. Yamashita. A new structural induction theorem for rings of temporal Petri nets. *IEEE Transactions on Software Engineering*, 20(2):115–126, February 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=265633>.
- Luqi:1990:GMS**  
Luqi. A graph model for software evolution. *IEEE Transactions on Software Engineering*, 16(8):917–927, August 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=57627>.

- [Lus94] **Lustman:1994:STB**  
 F. Lustman. Specifying transaction-based information systems with regular expressions. *IEEE Transactions on Software Engineering*, 20(3):207–217, March 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=268922>. [LW90]
- [LV95] **Luckham:1995:EBA**  
 D. C. Luckham and J. Vera. An event-based architecture definition language. *IEEE Transactions on Software Engineering*, 21(9):717–734, September 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=464548>. [LW92]
- [LV97] **Lanubile:1997:ERF**  
 F. Lanubile and G. Visaggio. Extracting reusable functions by flow graph based program slicing. *IEEE Transactions on Software Engineering*, 23(4):246–259, April 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=588543>. [LW97]
- [LvBP94] **Luo:1994:TSB**  
 Gang Luo, G. von Bochmann, and A. Petrenko. Test selection based on communicating nondeterministic finite-state machines using a generalized wp-method. *IEEE Transactions on Software Engineering*, 20(2):149–162, February 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=265636>. [LW90]
- Li:1990:CEP**  
 Guo-Jie Li and B. W. Wah. Computational efficiency of parallel combinatorial OR-tree searches. *IEEE Transactions on Software Engineering*, 16(1):13–31, January 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44360>. [LW90]
- Lutz:1992:DUE**  
 R. R. Lutz and J. S. K. Wong. Detecting unsafe error recovery schedules. *IEEE Transactions on Software Engineering*, 18(8):749–760, August 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=153384>. [LW92]
- Littlewood:1997:SCS**  
 B. Littlewood and D. Wright. Some conservative stopping rules for the operational testing of safety critical software. *IEEE Transactions on Software Engineering*, 23(11):673–683, November 1997. [LW97]

- CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=637384>. [Mad92]
- Lieberherr:1993:OOS**
- [LX93] K. J. Lieberherr and C. Xiao. Object-oriented software evolution. *IEEE Transactions on Software Engineering*, 19(4):313–343, April 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=223802>. [MBB<sup>+</sup>97]
- Lee:1995:RM**
- [LZ95] A. H. Lee and J. L. Zachary. Reflections on metaprogramming. *IEEE Transactions on Software Engineering*, 21(11):883–893, November 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=473217>.
- Miyoshi:1993:ESE**
- [MA93] T. Miyoshi and M. Azuma. An empirical study of evaluating software development environment quality. *IEEE Transactions on Software Engineering*, 19(5):425–435, May 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=232010>. [MBK91]
- Madhavji:1992:EEP**
- N. H. Madhavji. Environment evolution: the Prism model of changes. *IEEE Transactions on Software Engineering*, 18(5):380–392, May 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=135771>.
- Morasca:1997:CTF**
- S. Morasca, L. C. Briand, V. R. Basili, E. J. Weyuker, M. V. Zelkowitz, B. Kitchenham, S. Lawrence Pfleeger, and N. Fenton. Comments on “Towards a framework for software measurement validation”. *IEEE Transactions on Software Engineering*, 23(3):187–189, March 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=585506>. See [KPF95] and reply [KPF97].
- Maarek:1991:IRA**
- Y. S. Maarek, D. M. Berry, and G. E. Kaiser. An information retrieval approach for automatically constructing software libraries. *IEEE Transactions on Software Engineering*, 17(8):800–813, August 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=83915>.

- [MBM94] **Matson:1994:SDC**  
 J. E. Matson, B. E. Barrett, and J. M. Mellichamp. Software development cost estimation using function points. *IEEE Transactions on Software Engineering*, 20(4):275–287, April 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=277575>.
- [MC92] **Mark:1992:GR**  
 L. Mark and R. J. Cochrane. Grammars and relations. *IEEE Transactions on Software Engineering*, 18(9):840–849, September 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=159832>.
- [MC97] **Mok:1997:MMR**  
 A. K. Mok and D. Chen. A multiframe model for real-time tasks. *IEEE Transactions on Software Engineering*, 23(10):635–645, October 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=637146>.
- [MCB90] **Mannino:1990:OOF**  
 M. V. Mannino, J. J. Choi, and D. S. Batory. The object-oriented functional data language. *IEEE Transactions on Software Engineering*, 16(11):1258–1272, November 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60314>.
- [McC90] **McCullough:1990:HTM**  
 D. McCullough. A hookup theorem for multilevel security. *IEEE Transactions on Software Engineering*, 16(6):563–568, June 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=55085>.
- [McH96] **McHugh:1996:ISS**  
 J. McHugh. Introduction to the special section. *IEEE Transactions on Software Engineering*, 22(1):3–??, January 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=481512>.
- [McL96] **McLean:1996:GTC**  
 J. McLean. A general theory of composition for a class of “possibilistic” properties. *IEEE Transactions on Software Engineering*, 22(1):53–67, January 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=481534>.

- [MCN92] **Mylopoulos:1992:RUN**  
 J. Mylopoulos, L. Chung, and B. Nixon. Representing and using nonfunctional requirements: a process-oriented approach. *IEEE Transactions on Software Engineering*, 18(6):483–497, June 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=142871>.
- [MDC92] **Merks:1992:LDP**  
 E. A. T. Merks, J. M. Dyck, and R. D. Cameron. Language design for program manipulation. *IEEE Transactions on Software Engineering*, 18(1):19–32, January 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=120313>. See comments [Gri94].
- [Mea96] **Meadows:1996:GEI**  
 C. Meadows. Guest editorial: Introduction to the special section. *IEEE Transactions on Software Engineering*, 22(5):281–??, May 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=502220>.
- [MH91] **Miriyala:1991:ADF**  
 K. Miriyala and M. T. Harandi. Automatic derivation of formal software specifications from informal descriptions. *IEEE Transactions on Software Engineering*, 17(10):1126–1142, October 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=99198>.
- [MH92] **Mahony:1992:CST**  
 B. P. Mahony and I. J. Hayes. A case-study in timed refinement: a mine pump. *IEEE Transactions on Software Engineering*, 18(9):817–826, September 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=159841>.
- [Mil90] **Milewski:1990:FDS**  
 J. Milewski. Functional data structures as updatable objects. *IEEE Transactions on Software Engineering*, 16(12):1427–1432, December 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=62450>.
- [Min91] **Minsky:1991:IPO**  
 N. H. Minsky. The imposition of protocols over open distributed systems. *IEEE Transactions on Software Engineering*, 17(2):183–195, February 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=62450>.

- ieeexplore.ieee.org/stamp/  
stamp.jsp?arnumber=67599.
- [MIS97] A. Mehra, A. Indiresan, and K. G. Shin. Structuring communication software for quality-of-service guarantees. *IEEE Transactions on Software Engineering*, 23(10):616–634, October 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=637145>.
- [MK92a] T. Mukhopadhyay and S. Kekre. Software effort models for early estimation of process control applications. *IEEE Transactions on Software Engineering*, 18(10):915–924, October 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=163607>.
- [MK92b] J. C. Munson and T. M. Khoshgoftaar. The detection of fault-prone programs. *IEEE Transactions on Software Engineering*, 18(5):423–433, May 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=135775>.
- [MK93] J. Micallef and G. E. Kaiser. Support algorithms for incremental attribute evaluation of asynchronous subtree replacements. *IEEE Transactions on Software Engineering*, 19(3):231–252, March 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=221136>.
- [MKH97] S. Matsuura, H. Kuruma, and S. Honiden. EVA: a flexible programming method for evolving systems. *IEEE Transactions on Software Engineering*, 23(5):296–313, May 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=588522>.
- [ML95] J. H. R. May and A. D. Lunn. A model of code sharing for estimating software failure on demand probabilities. *IEEE Transactions on Software Engineering*, 21(9):747–753, September 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=464546>.
- [MM90] V. M. Markowitz and J. A. Makowsky. Identifying extended

**Micallef:1993:SAI****Mehra:1997:SCS****Mukhopadhyay:1992:SEM****Matsuura:1997:EFP****May:1995:MCS****Munson:1992:DFP****Markowitz:1990:IEE**



- entity-relationship object structures in relational schemas. *IEEE Transactions on Software Engineering*, 16(8):777–790, August 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=57618>.
- [MMM95] **Mili:1995:RSI** H. Mili, F. Mili, and A. Mili. Reusing software: issues and research directions. *IEEE Transactions on Software Engineering*, 21(6):528–562, June 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=391379>.
- [MMM97a] **Mili:1997:SRS** R. Mili, A. Mili, and R. T. Mittermair. Storing and retrieving software components: a refinement based system. *IEEE Transactions on Software Engineering*, 23(7):445–460, July 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=605762>.
- [MMM<sup>+</sup>97b] **Myers:1997:AEN** B. A. Myers, R. G. McDaniel, R. C. Miller, A. S. Ferreny, A. Faulring, B. D. Kyle, A. Mickish, A. Klimovitski, and P. Doane. The Amulet environment: new models for effective user interface software development. *IEEE Transactions on Software Engineering*, 23(6):347–365, June 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=601073>.
- [MMN<sup>+</sup>92] **Miller:1992:EPF** K. W. Miller, L. J. Morell, R. E. Noonan, S. K. Park, D. M. Nicol, B. W. Murrill, and M. Voas. Estimating the probability of failure when testing reveals no failures. *IEEE Transactions on Software Engineering*, 18(1):33–43, January 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=120314>.
- [MO90] **McNamee:1990:CCR** C. M. McNamee and R. A. Olson. Comments on “Critical races in Ada programs”. *IEEE Transactions on Software Engineering*, 16(12):1439–??, December 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=62452>. See [KSB89].
- [Moo90] **Moore:1990:SVD** A. P. Moore. The specification and verified decomposition of system requirements using CSP. *IEEE Transactions on Software Engineering*,

- ing*, 16(9):932–948, September 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=58782>. [Mos92]
- Morell:1990:TFB**
- [Mor90a] L. J. Morell. A theory of fault-based testing. *IEEE Transactions on Software Engineering*, 16(8):844–857, August 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=57623>. [MQR95]
- Mortazavi:1990:PMR**
- [Mor90b] B. Mortazavi. Performance of MAP in the remote operation of a CNC. *IEEE Transactions on Software Engineering*, 16(2):231–237, February 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44386>. [MR98]
- Moser:1990:DDG**
- [Mos90] L. E. Moser. Data dependency graphs for Ada programs. *IEEE Transactions on Software Engineering*, 16(5):498–509, May 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=52773>. [MRF<sup>+</sup>98]
- Moss:1992:WPO**
- J. E. B. Moss. Working with persistent objects: to swizzle or not to swizzle. *IEEE Transactions on Software Engineering*, 18(8):657–673, August 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=153378>.
- Moriconi:1995:CAR**
- M. Moriconi, X. Qian, and R. A. Riemenschneider. Correct architecture refinement. *IEEE Transactions on Software Engineering*, 21(4):356–372, April 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=385972>.
- McCann:1998:CPA**
- P. J. McCann and G. C. Roman. Compositional programming abstractions for mobile computing. *IEEE Transactions on Software Engineering*, 24(2):97–110, February 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=666824>.
- McLellan:1998:EUW**
- S. McLellan, A. Roesler, Z. Fei, S. Chandran, and C. Spinuzzi. Experience using Web-based shotgun measures for

- large-system characterization and improvement. *IEEE Transactions on Software Engineering*, 24(4):268–277, April 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=677184>. [MS97a]
- Mishra:1991:EAS**
- [MRT91] S. K. Mishra, V. V. Raghavan, and N. F. Tzeng. Efficient algorithms for selection of recovery points in tree task models. *IEEE Transactions on Software Engineering*, 17(7):731–734, July 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=83909>. [MS97b]
- Madhavji:1991:PMP**
- [MS91] N. H. Madhavji and W. Schafer. Prism-methodology and process-oriented environment. *IEEE Transactions on Software Engineering*, 17(12):1270–1283, December 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=106987>. [MS99]
- Mesrobian:1992:SES**
- [MS92] E. Mesrobian and J. Skrzypek. A software environment for studying computational neural systems. *IEEE Transactions on Software Engineering*, 18(7):575–589, July 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=148476>.
- Mahajan:1997:VTC**
- R. Mahajan and B. Shneiderman. Visual and textual consistency checking tools for graphical user interfaces. *IEEE Transactions on Software Engineering*, 23(11):722–735, November 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=637386>.
- Mukherjee:1997:MSD**
- A. Mukherjee and D. P. Siewiorek. Measuring software dependability by robustness benchmarking. *IEEE Transactions on Software Engineering*, 23(6):366–378, June 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=601075>.
- Myrtveit:1999:CEA**
- I. Myrtveit and E. Stensrud. A controlled experiment to assess the benefits of estimating with analogy and regression models. *IEEE Transactions on Software Engineering*, 25(4):510–525, July/August 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=601075>.

- ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=799947.
- [MT96] V. Mainkar and K. S. Trivedi. Sufficient conditions for existence of a fixed point in stochastic reward net-based iterative models. *IEEE Transactions on Software Engineering*, 22(9):640–653, September 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=541435>.
- [MTMS92] W. Mark, S. Tyler, J. McGuire, and J. Schlossberg. Commitment-based software development. *IEEE Transactions on Software Engineering*, 18(10):870–885, October 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=163604>.
- [Muh91] W. A. Muhanna. Composite programs: hierarchical construction, circularity, and deadlocks. *IEEE Transactions on Software Engineering*, 17(4):320–333, April 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=90432>.
- [Mullin:1990:OSD] J. K. Mullin. Optimal semi-joins for distributed database systems. *IEEE Transactions on Software Engineering*, 16(5):558–560, May 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=52778>.
- [Mut92] M. W. Mutka. Estimating capacity for sharing in a privately owned workstation environment. *IEEE Transactions on Software Engineering*, 18(4):319–328, April 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=129220>.
- [MVD96] K. D. Maxwell, L. Van Wassenhove, and S. Dutta. Software development productivity of European space, military, and industrial applications. *IEEE Transactions on Software Engineering*, 22(10):706–718, October 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=544349>.
- [MvMS93] Y. K. Malaiya, A. von Mayrhauser, and P. K. Srimani. An

- examination of fault exposure ratio. *IEEE Transactions on Software Engineering*, 19(11):1087–1094, November 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=256855>.
- [MW90] **Moriconi:1990:ARA**  
M. Moriconi and T. C. Winkler. Approximate reasoning about the semantic effects of program changes. *IEEE Transactions on Software Engineering*, 16(9):980–992, September 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=58785>.
- [MW92] **Manna:1992:FDP**  
Z. Manna and R. Waldinger. Fundamentals of deductive program synthesis. *IEEE Transactions on Software Engineering*, 18(8):674–704, August 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=153379>.
- [MWB99] **Murphy:1999:EES**  
G. C. Murphy, R. J. Walker, and E. L. A. Banlassad. Evaluating emerging software development technologies: lessons learned from assessing aspect-oriented programming. *IEEE Transactions on Software Engineering*, 25(4):438–455, July/August 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=799936>.
- [MYK94] **Menasce:1994:UFE**  
D. A. Menasce, Y. Yesha, and K. Kalpakis. On a unified framework for the evaluation of distributed quorum attainment protocols. *IEEE Transactions on Software Engineering*, 20(11):868–884, November 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=368122>.
- [NAT93] **Nakajo:1993:CHD**  
T. Nakajo, I. Azuma, and M. Tada. A case history development of a foolproofing interface documentation system. *IEEE Transactions on Software Engineering*, 19(8):765–773, August 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=238580>.
- [NBK95] **Ng:1995:ITS**  
F. Ng, G. Butler, and Judy Kay. An intelligent tutoring system for the Dijkstra–Gries methodology. *IEEE Transactions on Software Engineering*, 21(5):415–428, May 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

- (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=387471>.
- [ND90] K. T. Narayana and S. Dharap. Formal specification of a look manager. *IEEE Transactions on Software Engineering*, 16(9):1089–1103, September 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=58792>.
- [Nes93] L. Ness. L.0: a truly concurrent executable temporal logic language for protocols. *IEEE Transactions on Software Engineering*, 19(4):410–423, April 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=223807>.
- [NG90] V. F. Nicola and A. Goyal. Modeling of correlated failures and community error recovery in multiversion software. *IEEE Transactions on Software Engineering*, 16(3):350–359, March 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=48942>.
- [NHWS92] G. S. Novak, F. N. Hill, M. L. Wan, and B. G. Sayrs. Negotiated interfaces for software reuse. *IEEE Transactions on Software Engineering*, 18(7):646–653, July 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=148482>.
- [Nic90] R. A. Nicholl. Unreachable states in model-oriented specifications. *IEEE Transactions on Software Engineering*, 16(4):472–477, April 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=54300>.
- [NJ91] T. Niemi and K. Jarvelin. Prolog-based meta-rules for relational database representation and manipulation. *IEEE Transactions on Software Engineering*, 17(8):762–788, August 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=83913>.
- [NJ96] D. Notkin and D. R. Jeffery. Guest editorial: Introduction to the special section. *IEEE*

**Novak:1992:NIS****Narayana:1990:FSL****Nicholl:1990:USM****Ness:1993:TCE****Niemi:1991:PBM****Nicola:1990:MCF****Notkin:1996:GEI**

- Transactions on Software Engineering*, 22(6):361–??, June 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=508310>.
- [NK91] T. Nakajo and H. Kume. A case history analysis of software error cause-effect relationships. *IEEE Transactions on Software Engineering*, 17(8):830–838, August 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=83917>.
- [NKF94] B. Nuseibeh, J. Kramer, and A. Finkelstein. A framework for expressing the relationships between multiple views in requirements specification. *IEEE Transactions on Software Engineering*, 20(10):760–773, October 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=328995>.
- [NM94] M. Notomi and T. Murata. Hierarchical reachability graph of bounded Petri nets for concurrent-software analysis. *IEEE Transactions on Software Engineering*, 20(5):325–336, May 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=286423>.
- [NOTS98] M. Neil, G. Ostrolenk, M. Tobin, and M. Southworth. Lessons from using Z to specify a software tool. *IEEE Transactions on Software Engineering*, 24(1):15–23, January 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=663995>.
- [Nov95a] G. S. Novak. Conversion of units of measurement. *IEEE Transactions on Software Engineering*, 21(8):651–661, August 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=403789>.
- [Nov95b] G. S. Novak. Creation of views for reuse of software with different data representations. *IEEE Transactions on Software Engineering*, 21(12):993–1005, December 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=489074>.
- [Nov97] G. S. Novak. Software reuse by specialization of generic pro-

**Nakajo:1991:CHA**

**Neil:1998:LUZ**

**Nuseibeh:1994:FER**

**Novak:1995:CUM**

**Notomi:1994:HRG**

**Novak:1995:CVR**

**Novak:1997:SRS**

- cedures through views. *IEEE Transactions on Software Engineering*, 23(7):401–417, July 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=605759>.
- [NP92] **Nota:1992:QES**  
G. Nota and G. Pacini. Querying of executable software specifications. *IEEE Transactions on Software Engineering*, 18(8):705–716, August 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=153380>.
- [NS91] **Nakata:1991:PSP**  
I. Nakata and M. Sassa. Programming with streams in a Pascal-like language. *IEEE Transactions on Software Engineering*, 17(1):1–9, January 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67573>.
- [NSY92] **Nicollin:1992:CRT**  
X. Nicollin, J. Sifakis, and S. Yovine. Compiling real-time specifications into extended automata. *IEEE Transactions on Software Engineering*, 18(9):794–804, September 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=159837>.
- [NTFT91] **Nishida:1991:SAP**  
F. Nishida, S. Takamatsu, Y. Fujita, and T. Tani. Semi-automatic program construction from specifications using library modules. *IEEE Transactions on Software Engineering*, 17(9):853–871, September 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=92909>.
- [NvS90] **Nicola:1990:CAD**  
V. F. Nicola and J. M. van Spanje. Comparative analysis of different models of checkpointing and recovery. *IEEE Transactions on Software Engineering*, 16(8):807–821, August 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=57620>.
- [NWPM95] **Neilson:1995:SBC**  
J. E. Neilson, C. M. Woodside, D. C. Petriu, and S. Majumdar. Software bottlenecking in client-server systems and rendezvous networks. *IEEE Transactions on Software Engineering*, 21(9):776–782, September 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=464543>.



- [NY90] **Neufeld:1990:DIA**  
 G. N. Neufeld and Y. Yang. The design and implementation of an ASN.1-C compiler. *IEEE Transactions on Software Engineering*, 16(10):1209–1220, October 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60300>.
- [OA96] **Ohlsson:1996:PFP**  
 N. Ohlsson and H. Alberg. Predicting fault-prone software modules in telephone switches. *IEEE Transactions on Software Engineering*, 22(12):886–894, December 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=553637>.
- [OB92] **Oivo:1992:RSE**  
 M. Oivo and V. R. Basili. Representing software engineering models: the TAME goal oriented approach. *IEEE Transactions on Software Engineering*, 18(10):886–898, October 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=163605>.
- [ODK99] **Ortalo:1999:EQE**  
 R. Ortalo, Y. Deswarte, and M. Kaaniche. Experimenting with quantitative evaluation tools for monitoring operational security. *IEEE Transactions on Software Engineering*, 25(5):633–650, September/October 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=815323>.
- [OL94] **Offutt:1994:EEW**  
 A. J. Offutt and S. D. Lee. An empirical evaluation of weak mutation. *IEEE Transactions on Software Engineering*, 20(5):337–344, May 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=286422>.
- [OO90] **Olender:1990:CSC**  
 K. M. Olender and L. J. Osterweil. Cecil: a sequencing constraint language for automatic static analysis generation. *IEEE Transactions on Software Engineering*, 16(3):268–280, March 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=48935>.
- [ORSvH95] **Owre:1995:FVF**  
 S. Owre, J. Rushby, N. Shankar, and F. von Henke. Formal verification for fault-tolerant architectures: prolegomena to the design of PVS. *IEEE Transactions on Software Engineering*, 21(2):107–125, Febru-

- ary 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=345827>. [PC90]
- Osterbye:1995:LSP**
- [Ost95] K. Osterbye. Literate Smalltalk programming using hypertext. *IEEE Transactions on Software Engineering*, 21(2):138–145, February 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=345829>. [PC92]
- Plateau:1991:SAN**
- [PA91] B. Plateau and K. Atif. Stochastic automata network of modeling parallel systems. *IEEE Transactions on Software Engineering*, 17(10):1093–1108, October 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=99196>. [PDB+97]
- Parnas:1993:PLS**
- [Par93] D. L. Parnas. Predicate logic for software engineering. *IEEE Transactions on Software Engineering*, 19(9):856–862, September 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=241769>.
- Podgurski:1990:FMP**
- A. Podgurski and L. A. Clarke. A formal model of program dependences and its implications for software testing, debugging, and maintenance. *IEEE Transactions on Software Engineering*, 16(9):965–979, September 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=58784>.
- Papelis:1992:SAP**
- Y. E. Papelis and T. L. Casavant. Specification and analysis of parallel/distributed software and systems by Petri nets with transition enabling functions. *IEEE Transactions on Software Engineering*, 18(3):252–261, March 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=126774>.
- Poels:1997:CPB**
- G. Poels, G. Dedene, L. C. Briand, S. Morasca, and V. R. Basili. Comments on “Property-based software engineering measurement: refining the additivity properties”. *IEEE Transactions on Software Engineering*, 23(3):190–197, March 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=585508>. See [BMB96, BMB97].

**Pekergin:1992:PCO**

- [Pek92] M. F. Pekergin. Parallel computing optimization in the Apollo Domain network. *IEEE Transactions on Software Engineering*, 18(4):296–303, April 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=129218>.

**Pitt:1990:DCT**

- [PF90] D. H. Pitt and D. E. Freestone. The derivation of conformance tests from LOTOS specifications. *IEEE Transactions on Software Engineering*, 16(12):1337–1343, December 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=62442>.

**Pike:2006:NIA**

- [Pik06] L. Pike. A note on inconsistent axioms in Rushby’s “Systematic formal verification for fault-tolerant time-triggered algorithms”. *IEEE Transactions on Software Engineering*, 32(5):347–348, May 2006. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=1642681>.

**Purtilo:1991:EDF**

- [PJ91] J. M. Purtilo and P. Jalote. An environment for developing

fault-tolerant software. *IEEE Transactions on Software Engineering*, 17(2):153–159, February 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67596>.

**Porter:1997:ASR**

- [PJ97] A. A. Porter and P. M. Johnson. Assessing software review meetings: results of a comparative analysis of two experimental studies. *IEEE Transactions on Software Engineering*, 23(3):129–145, March 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=585501>.

**Perry:1991:MSD**

- [PK91] D. E. Perry and G. E. Kaiser. Models of software development environments. *IEEE Transactions on Software Engineering*, 17(3):283–295, March 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=75417>.

**Pickard:1999:CEA**

- [PKJH99] L. Pickard, B. Kitchenham, P. Jones, and Qing Hu. Comments on: “Evaluating alternative software production functions”. *IEEE Transactions on Software Engineering*, 25(2):282–285, March/April

1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=761451>. See [Hu97].
- [PLR94] H. D. Pande, W. A. Landi, and B. G. Ryder. Interprocedural def-use associations for C systems with single level pointers. *IEEE Transactions on Software Engineering*, 20(5):385–403, May 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=286418>.
- [PMdO99] F. Borges Paulo, P. C. Masiero, and M. C. Ferreira de Oliveira. Hypercharts: extended statecharts to support hypermedia specification. *IEEE Transactions on Software Engineering*, 25(1):33–49, January/February 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=748917>.
- [PMI94] D. Lorge Parnas, J. Madey, and M. Iglewski. Precise documentation of well-structured programs. *IEEE Transactions on Software Engineering*, 20(12):948–976, December 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=368133>.
- [PN97] K. Pillai and V. S. Sukumaran Nair. A model for software development effort and cost estimation. *IEEE Transactions on Software Engineering*, 23(8):485–497, August 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=624305>.
- [PP94] S. Paul and A. Prakash. A framework for source code search using program patterns. *IEEE Transactions on Software Engineering*, 20(6):463–475, June 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=295894>. See comments [Dev95].
- [PP96] S. Paul and A. Prakash. A query algebra for program databases. *IEEE Transactions on Software Engineering*, 22(3):202–217, March 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=489080>.

**Pillai:1997:MSD**

**Pande:1994:IDU**

**Paulo:1999:HES**

**Parnas:1994:PDW**

**Paul:1994:FSC**

**Paul:1996:QAP**

**Peters:1998:UTO**

- [PP98] D. K. Peters and D. L. Parnas. Using test oracles generated from program documentation. *IEEE Transactions on Software Engineering*, 24(3):161–173, March 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=667877>.

**Peng:1993:OSC**

- [PS93] D. T. Peng and K. G. Shin. Optimal scheduling of cooperative tasks in a distributed system using an enumerative method. *IEEE Transactions on Software Engineering*, 19(3):253–267, March 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=221134>.

**Peng:1997:ASC**

- [PSA97] Dar-Tzen Peng, K. G. Shin, and T. F. Abdelzaher. Assignment and scheduling communicating periodic tasks in distributed real-time systems. *IEEE Transactions on Software Engineering*, 23(12):745–758, December 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=637388>.

**Protsko:1991:TAG**

- [PSTS91] L. B. Protsko, P. G. Sorenson, J. P. Tremblay, and D. A. Schae-

fer. Towards the automatic generation of software diagrams. *IEEE Transactions on Software Engineering*, 17(1):10–21, January 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67575>.

**Porter:1997:EAC**

- [PSTV97] A. A. Porter, H. P. Siy, C. A. Toman, and L. G. Votta. An experiment to assess the cost-benefits of code inspections in large scale software development. *IEEE Transactions on Software Engineering*, 23(6):329–346, June 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=601071>.

**Prechelt:1998:CEA**

- [PT98] L. Prechelt and W. F. Tichy. A controlled experiment to assess the benefits of procedure argument type checking. *IEEE Transactions on Software Engineering*, 24(4):302–312, April 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=677186>.

**Pucci:1992:NAM**

- [Puc92] G. Pucci. A new approach to the modeling of recovery block structures. *IEEE Transactions on Software Engineer-*

- ing*, 18(2):159–167, February 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=121757>. [PZ91]
- Porter:1995:CDM**
- [PVB95] A. A. Porter, L. G. Votta, and V. R. Basili. Comparing detection methods for software requirements inspections: a replicated experiment. *IEEE Transactions on Software Engineering*, 21(6):563–575, June 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=391380>.
- Paulson:1992:AAI**
- [PW92] D. Paulson and Y. Wand. An automated approach to information systems decomposition. *IEEE Transactions on Software Engineering*, 18(3):174–189, March 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=126767>.
- Plaice:1993:NAV**
- [PW93] J. Plaice and W. W. Wadge. A new approach to version control. *IEEE Transactions on Software Engineering*, 19(3):268–276, March 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=221137>.
- Parrish:1991:ARS**
- A. Parrish and S. H. Zweben. Analysis and refinement of software test data adequacy properties. *IEEE Transactions on Software Engineering*, 17(6):565–581, June 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=87282>.
- Parrish:1993:CSF**
- [PZ93] A. S. Parrish and S. H. Zweben. Clarifying some fundamental concepts in software testing. *IEEE Transactions on Software Engineering*, 19(7):742–746, July 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=238573>.
- Parrish:1995:RAA**
- [PZ95] A. S. Parrish and S. H. Zweben. On the relationships among the all-uses, all-DU-paths, and all-edges testing criteria. *IEEE Transactions on Software Engineering*, 21(12):1006–1009, December 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=489075>.
- Puketza:1996:MTI**
- [PZC<sup>+</sup>96] N. J. Puketza, K. Zhang, M. Chung, B. Mukherjee, and R. A. Olsson. A methodol-

- ogy for testing intrusion detection systems. *IEEE Transactions on Software Engineering*, 22(10):719–729, October 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=544350>.
- [QHK91] G. Z. Qadah, L. J. Henschen, and J. J. Kim. Efficient algorithms for the instantiated transitive closure queries. *IEEE Transactions on Software Engineering*, 17(3):296–309, March 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=75418>.
- [Qin93] Bin Qin. Meet real-time requirements of parallel programs and maximally utilize system resources. *IEEE Transactions on Software Engineering*, 19(10):976–981, October 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=245739>.
- [QSVMG96] M. A. Qureshi, W. H. Sanders, A. P. A. van Moorsel, and R. German. Algorithms for the generation of state-level representations of stochastic activity networks with general re-
- ward structures. *IEEE Transactions on Software Engineering*, 22(9):603–614, September 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=541432>.
- [Raj92] V. Rajlich. Guest Editor’s introduction: special issue on software maintenance. *IEEE Transactions on Software Engineering*, 18(12):1037, December 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=1263032>.
- [Ran93] P. V. Rangan. Trust requirements and performance of a fast subtransport-level protocol for secure communication. *IEEE Transactions on Software Engineering*, 19(2):181–186, February 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=214834>.
- [RC90] G. C. Roman and H. C. Cunningham. Mixed programming metaphors in a shared dataspace model of concurrency. *IEEE Transactions on Software Engineering*, 16(12):1361–1373, December 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-

Qadah:1991:EAI

Rajlich:1992:GEI

Qin:1993:MRT

Rangan:1993:TRP

Qureshi:1996:AGS

Roman:1990:MPM

- 3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=62445>. [RF92]
- [RCGF97] I. Ripoll, A. Crespo, and A. Garcia-Fornes. An optimal algorithm for scheduling soft aperiodic tasks in dynamic-priority preemptive systems. *IEEE Transactions on Software Engineering*, 23(6):388–400, June 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=601081>.
- [RD92] B. Ramesh and V. Dhar. Supporting systems development by capturing deliberations during requirements engineering. *IEEE Transactions on Software Engineering*, 18(6):498–510, June 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=142872>.
- [Rei96] M. K. Reiter. A secure group membership protocol. *IEEE Transactions on Software Engineering*, 22(1):31–42, January 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=481515>.
- [Rich:1992:SLK] C. Rich and Y. A. Feldman. Seven layers of knowledge representation and reasoning in support of software development. *IEEE Transactions on Software Engineering*, 18(6):451–469, June 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=142869>.
- [RG98] G. C. Roman and C. Ghezzi. Introduction to the special issue. *IEEE Transactions on Software Engineering*, 24(5):313–314, May 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=685255>.
- [RGB93] G. C. Roma, R. F. Gamble, and W. E. Ball. Formal derivation of rule-based programs. *IEEE Transactions on Software Engineering*, 19(3):277–296, March 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=221138>.
- [RGFR98] T. L. Roberts, M. L. Gibson, K. T. Fields, and R. K. Rainer. Factors that impact implementing a system development methodology. *IEEE*



- Transactions on Software Engineering*, 24(8):640–649, August 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=707699>. See comments [YSW<sup>+</sup>01].
- [RGRF01] T. L. Roberts, M. L. Gibson, R. K. Rainer, and K. T. Fields. Response to “Comments on factors that impact the implementation of a systems development methodology”. *IEEE Transactions on Software Engineering*, 27(3):282–286, March 2001. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=910864>. See [RGFR98, YSW<sup>+</sup>01].
- [RH91] I. P. Radivojevic and J. Herath. Executing DSP applications in a fine-grained dataflow environment. *IEEE Transactions on Software Engineering*, 17(10):1028–1041, October 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=99191>.
- [RH96] G. Rothermel and M. J. Harrold. Analyzing regression test selection techniques. *IEEE Transactions on Software Engineering*, 22(8):529–551, August 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=536955>.
- [RH98] G. Rothermel and M. J. Harrold. Empirical studies of a safe regression test selection technique. *IEEE Transactions on Software Engineering*, 24(6):401–419, June 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=689399>.
- [RJT93] S. Rangarajan, P. Jalote, and S. K. Tripathi. Capacity of voting systems. *IEEE Transactions on Software Engineering*, 19(7):698–706, July 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=238570>.
- [RLL93] R. Rask, P. Laamanen, and K. Lyyttinen. Simulation and comparison of Albrecht’s function bang metrics in a CASE environment. *IEEE Transactions on Software Engineering*, 19(7):661–671, July 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

**Rothermel:1998:ESS**

**Roberts:2001:RCF**

**Rangarajan:1993:CVS**

**Radivojevic:1991:EDA**

**Rask:1993:SCA**

**Rothermel:1996:ART**

- (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=238567>. [Rom91]
- Ryder:1990:PID**
- [RLP90] B. G. Ryder, W. Landi, and H. D. Pande. Profiling an incremental data flow analysis algorithm. *IEEE Transactions on Software Engineering*, 16(2):129–140, February 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44377>.
- Richter:1993:TRI**
- [RM93] G. Richter and B. Maffeo. Toward a rigorous interpretation of ESML-extended systems modeling language. *IEEE Transactions on Software Engineering*, 19(2):165–180, February 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=214833>.
- Roussopoulos:1991:AHP**
- [RMSF91] N. Roussopoulos, L. Mark, T. Sellis, and C. Faloutsos. An architecture for high performance engineering information systems. *IEEE Transactions on Software Engineering*, 17(1):22–33, January 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67576>.
- Rommen:1991:PLB**
- C. G. Rommen. The probability of load balancing success in a homogeneous network. *IEEE Transactions on Software Engineering*, 17(9):922–933, September 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=92912>.
- Rosenblum:1995:PAP**
- [Ros95] D. S. Rosenblum. A practical approach to programming with assertions. *IEEE Transactions on Software Engineering*, 21(1):19–31, January 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=341844>.
- Rushby:1998:SSP**
- [ROS98] J. Rushby, S. Owre, and N. Shankar. Subtypes for specifications: predicate subtyping in PVS. *IEEE Transactions on Software Engineering*, 24(9):709–720, September 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=713327>.
- Rao:1993:AFI**
- [RP93] H. C. Rao and L. L. Peterson. Accessing files in an Internet: the Jade file system. *IEEE Transactions on Software Engineering*, 19(6):613–624, June

1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=232026>.
- [RP99] **Robinson:1999:MRI**  
W. N. Robinson and S. D. Pawlowski. Managing requirements inconsistency with development goal monitors. *IEEE Transactions on Software Engineering*, 25(6):816–835, November/December 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=824411>.
- [RRH93] **Ravn:1993:SVR**  
A. P. Ravn, H. Rischel, and K. M. Hansen. Specifying and verifying requirements of real-time systems. *IEEE Transactions on Software Engineering*, 19(1):41–55, January 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=210306>.
- [RS93] **Ramanathan:1993:UCT**  
P. Ramanathan and K. G. Shin. Use of common time base for checkpointing and rollback recovery in a distributed system. *IEEE Transactions on Software Engineering*, 19(6):571–583, June 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=232022>.
- [RS94] **Rice:1994:FMM**  
M. D. Rice and S. B. Seidman. A formal model for module interconnection languages. *IEEE Transactions on Software Engineering*, 20(1):88–101, January 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=263757>.
- [RS95] **Rolia:1995:ML**  
J. A. Rolia and K. C. Sevcik. The method of layers. *IEEE Transactions on Software Engineering*, 21(8):689–700, August 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=403785>.
- [RS96] **Rajlich:1996:ERO**  
V. Rajlich and J. H. Silva. Evolution and reuse of orthogonal architecture. *IEEE Transactions on Software Engineering*, 22(2):153–157, February 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=485224>.
- [RSA98] **Rolland:1998:GGM**  
C. Rolland, C. Souveyet, and C. B. Achour. Guiding goal modeling using scenarios. *IEEE*

- Transactions on Software Engineering*, 24(12):1055–1071, December 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=738339>. [Rus99]
- Ryu:1990:PAD**
- [RT90] I. K. Ryu and A. Thomasian. Performance analysis of dynamic locking with the no-waiting policy. *IEEE Transactions on Software Engineering*, 16(7):684–698, July 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=56095>.
- Richardson:1993:ATD**
- [RT93] D. J. Richardson and M. C. Thompson. An analysis of test data selection criteria using the RELAY model of fault detection. *IEEE Transactions on Software Engineering*, 19(6):533–553, June 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=232020>.
- Ramamoorthy:1990:ESE**
- [RUPT90] C. V. Ramamoorthy, Y. Usuda, A. Prakash, and W. T. Tsai. The evolution support environment system. *IEEE Transactions on Software Engineering*, 16(11):1225–1234, November 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60311>.
- Rushby:1999:SFV**
- J. Rushby. Systematic formal verification for fault-tolerant time-triggered algorithms. *IEEE Transactions on Software Engineering*, 25(5):651–660, September/October 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=815324>. See note [Pik06].
- Rushby:1993:FVA**
- [RvH93] J. M. Rushby and F. von Henke. Formal verification of algorithms for critical systems. *IEEE Transactions on Software Engineering*, 19(1):13–23, January 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=210304>.
- Reubenstein:1991:RAA**
- [RW91] H. B. Reubenstein and R. C. Waters. The Requirements Apprentice: automated assistance for requirements acquisition. *IEEE Transactions on Software Engineering*, 17(3):226–240, March 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=75413>.

- Roman:1994:ADR**
- [RW94] G. C. Roman and C. D. Wilcox. Architecture-directed refinement. *IEEE Transactions on Software Engineering*, 20(4):239–258, April 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=277573>.
- Rosenblum:1997:UCI**
- [RW97] D. S. Rosenblum and E. J. Weyuker. Using coverage information to predict the cost-effectiveness of regression testing strategies. *IEEE Transactions on Software Engineering*, 23(3):146–156, March 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=585502>.
- Ramming:1999:GEI**
- [RW99] J. C. Ramming and D. S. Wile. Guest editorial — introduction to the special section. *IEEE Transactions on Software Engineering*, 25(3):289–290, May/June 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=798319>.
- Rubin:1990:EEV**
- [RWG90] R. V. Rubin, J. Walker, and E. J. Golin. Early experience with the Visual Programmer's WorkBench. *IEEE Transactions on Software Engineering*, 16(10):1107–1121, October 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60292>.
- Sahinoglu:1992:CPS**
- [Sah92] M. Sahinoglu. Compound-Poisson software reliability model. *IEEE Transactions on Software Engineering*, 18(7):624–630, July 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=148480>.
- Sarper:1995:NSS**
- [Sar95] H. Sarper. No special schemes are needed for solving software reliability optimization models. *IEEE Transactions on Software Engineering*, 21(8):701–702, August 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=403793>.
- Satyanarayanan:1992:ISD**
- [Sat92] M. Satyanarayanan. The influence of scale on distributed file system design. *IEEE Transactions on Software Engineering*, 18(1):1–9, January 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=120311>.

- Selby:1991:AEP**
- [SB91] R. W. Selby and V. R. Basili. Analyzing error-prone system structure. *IEEE Transactions on Software Engineering*, 17(2):141–152, February 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67595>.
- Seaman:1998:COE**
- [SB98] C. B. Seaman and V. R. Basili. Communication and organization: an empirical study of discussion in inspection meetings. *IEEE Transactions on Software Engineering*, 24(7):559–572, July 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=708569>.
- Simpson:1999:SEE**
- [SB99] D. J. Simpson and F. W. Burton. Space efficient execution of deterministic parallel programs. *IEEE Transactions on Software Engineering*, 25(6):870–882, November/December 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=824415>.
- Stocks:1996:FSB**
- [SC96] P. Stocks and D. Carrington. A framework for specification-based testing. *IEEE Transactions on Software Engineering*, 22(11):777–793, November 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=553698>.
- Stiemerling:1998:UCS**
- [SC98] O. Stiemerling and A. B. Cremers. The use of cooperation scenarios in the design and evaluation of a CSCW system. *IEEE Transactions on Software Engineering*, 24(12):1171–1181, December 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=738345>.
- Schneidewind:1992:MVS**
- [Sch92] N. F. Schneidewind. Methodology for validating software metrics. *IEEE Transactions on Software Engineering*, 18(5):410–422, May 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=135774>.
- Schneidewind:1993:SRM**
- [Sch93] N. F. Schneidewind. Software reliability model with optimal selection of failure data. *IEEE Transactions on Software Engineering*, 19(11):1095–1104, November 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=135774>.

- ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=256856.
- [Sch98] **Schneider:1998:VAP**  
S. Schneider. Verifying authentication protocols in CSP. *IEEE Transactions on Software Engineering*, 24(9):741–758, September 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=713329>.
- [Sch99] **Schneidewind:1999:MEM**  
N. F. Schneidewind. Measuring and evaluating maintenance process using reliability, risk, and test metrics. *IEEE Transactions on Software Engineering*, 25(6):769–781, November/December 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=824387>.
- [SD90] **Sarkar:1990:ESP**  
D. Sarkar and N. Deo. Estimating the speedup in parallel parsing. *IEEE Transactions on Software Engineering*, 16(7):677–683, July 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=56094>.
- [SD98] **Snoeck:1998:EDK**  
M. Snoeck and G. Dedene. Existence dependency: The key to semantic integrity between structural and behavioral aspects of object types. *IEEE Transactions on Software Engineering*, 24(4):233–251, April 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=677182>.
- [SDK+95] **Shaw:1995:ASA**  
Mary Shaw, Robert DeLine, Daniel V. Klein, Theodore L. Ross, David M. Young, and Gregory Zelesnik. Abstractions for software architecture and tools to support them. *IEEE Transactions on Software Engineering*, 21(4):314–335, April 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=385970>.
- [Sea93] **Sears:1993:LAM**  
A. Sears. Layout appropriateness: a metric for evaluating user interface widget layout. *IEEE Transactions on Software Engineering*, 19(7):707–719, July 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=238571>.
- [Sea99] **Seaman:1999:QME**  
C. B. Seaman. Qualitative methods in empirical studies of software engineering. *IEEE Transactions on Software En-*

- gineering*, 25(4):557–572, July/August 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=799955>.
- [Sen97] A. Sen. The role of opportunism in the software design reuse process. *IEEE Transactions on Software Engineering*, 23(7):418–436, July 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=605760>.
- [Ser96] M. Sereno. Approximate mean value analysis for stochastic marked graphs. *IEEE Transactions on Software Engineering*, 22(9):654–664, September 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=541436>.
- [SF95] K. Srinivasan and D. Fisher. Machine learning approaches to estimating software development effort. *IEEE Transactions on Software Engineering*, 21(2):126–137, February 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=345828>.
- [SG90] J. W. Stamos and D. K. Gifford. Implementing remote evaluation. *IEEE Transactions on Software Engineering*, 16(7):710–722, July 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=56097>.
- [SG91] T. Shepard and J. A. M. Gagne. A pre-run-time scheduling algorithm for hard real-time systems. *IEEE Transactions on Software Engineering*, 17(7):669–677, July 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=83903>. See comment [AS97].
- [SG95] M. Spezialetti and R. Gupta. Loop monotonic statements. *IEEE Transactions on Software Engineering*, 21(6):497–505, June 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=391376>.
- [SGCT90] Y. B. Shieh, D. Ghosal, P. R. Chintamaneni, and S. K. Tripathi. Modeling of hierarchical distributed systems

**Stamos:1990:IRE****Sen:1997:ROS****Shepard:1991:PRT****Sereno:1996:AMV****Srinivasan:1995:MLA****Spezialetti:1995:LMS****Shieh:1990:MHD**



- with fault-tolerance. *IEEE Transactions on Software Engineering*, 16(4):444–457, April 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=54296>. [Shi93]
- Sun:1997:BCT**
- [SGL97] J. Sun, M. K. Gardner, and J. W. S. Liu. Bounding completion times of jobs with arbitrary release times, variable execution times and resource sharing. *IEEE Transactions on Software Engineering*, 23(10):603–615, October 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=637144>. [SI91]
- Shaw:1992:CRT**
- [Sha92] A. C. Shaw. Communicating real-time state machines. *IEEE Transactions on Software Engineering*, 18(9):805–816, September 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=159840>. [Sin90]
- Stoyenko:1991:AHR**
- [SHH91] A. D. Stoyenko, V. C. Hamacher, and R. C. Holt. Analyzing hard-real-time programs for guaranteed schedulability. *IEEE Transactions on Software Engineering*, 17(8):737–750, August 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=83911>. [Shilling:1993:ILP]
- J. J. Shilling. Incremental LL(1) parsing in language-based editors. *IEEE Transactions on Software Engineering*, 19(9):935–940, September 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=241775>.
- Shin:1991:FRH**
- D. G. Shin and K. B. Irani. Fragmenting relations horizontally using a knowledge-based approach. *IEEE Transactions on Software Engineering*, 17(9):872–883, September 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=92906>.
- Singhal:1990:UTN**
- M. Singhal. Update transport: a new technique for update synchronization in replicated database systems. *IEEE Transactions on Software Engineering*, 16(12):1325–1336, December 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=62441>.

- [Sin91] **Singpurwalla:1991:DOT**  
 N. D. Singpurwalla. Determining an optimal time interval for testing and debugging software. *IEEE Transactions on Software Engineering*, 17(4):313–319, April 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=90431>.
- [SK91] **Sztrik:1991:AAH**  
 J. Sztrik and D. Kouvatsos. Asymptotic analysis of a heterogeneous multiprocessor system in a randomly changing environment. *IEEE Transactions on Software Engineering*, 17(10):1069–1075, October 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=99194>.
- [SKN96] **Sullivan:1996:EMM**  
 K. J. Sullivan, I. J. Kalet, and D. Notkin. Evaluating the mediator method: Prism as a case study. *IEEE Transactions on Software Engineering*, 22(8):563–579, August 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=536957>.
- [SL91] **Shimeall:1991:ECS**  
 T. J. Shimeall and N. G. Leveson. An empirical comparison of software fault tolerance and fault elimination. *IEEE Transactions on Software Engineering*, 17(2):173–182, February 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67598>.
- [SL92] **Stafylopatis:1992:PIR**  
 A. Stafylopatis and A. Likas. Pictorial information retrieval using the random neural network. *IEEE Transactions on Software Engineering*, 18(7):590–600, July 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=148477>.
- [SLL93] **Shih:1993:MRM**  
 Wei Kuan Shih, J. W. S. Liu, and C. L. Liu. Modified rate-monotonic algorithm for scheduling periodic jobs with deferred deadlines. *IEEE Transactions on Software Engineering*, 19(12):1171–1179, December 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=249662>.
- [SLvH92] **Steegmans:1992:GIP**  
 E. Steegmans, J. Lewi, and I. van Horebeek. Generation of interactive parsers with error handling. *IEEE Transactions on Software Engineering*, 18(5):357–367, May

1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=135769>. [Smi91]
- [SM94] N. R. Saxena and E. J. McCluskey. Linear complexity assertions for sorting. *IEEE Transactions on Software Engineering*, 20(6):424–431, June 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=295891>.
- [SM98] A. Sutcliffe and N. Maiden. The domain theory for requirements engineering. *IEEE Transactions on Software Engineering*, 24(3):174–196, March 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=667878>.
- [Smi90] D. R. Smith. KIDS: a semi-automatic program development system. *IEEE Transactions on Software Engineering*, 16(9):1024–1043, September 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=58788>.
- [Smi92] L. S. Smith. A framework for neural net specification. *IEEE Transactions on Software Engineering*, 18(7):601–612, July 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=148478>.
- [SMMM98] A. G. Sutcliffe, N. A. M. Maiden, S. Minocha, and D. Manuel. Supporting scenario-based requirements engineering. *IEEE Transactions on Software Engineering*, 24(12):1072–1088, December 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=738340>.
- [SMS99] K. J. Sullivan, M. Marchukov, and J. Socha. Analysis of a conflict between aggregation and interface negotiation

Smith:1991:MSR

Saxena:1994:LCA

Smith:1992:FNN

Sutcliffe:1998:DTR

Sutcliffe:1998:SSB

Smith:1990:KSP

Sullivan:1999:ACB

- in Microsoft's Component Object Model. *IEEE Transactions on Software Engineering*, 25(4):584–599, July/August 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=799960>. [SO98]
- Stoyen:1999:DEC**
- [SMYP99] A. D. Stoyen, T. J. Marlowe, M. F. Younis, and P. V. Petrov. A development environment for complex distributed real-time applications. *IEEE Transactions on Software Engineering*, 25(1):50–74, January/February 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=748918>. [Son97]
- Sorensen:1993:CMM**
- [SNH93] E. V. Sorensen, J. Nordahl, and N. H. Hansen. From CSP models to Markov models. *IEEE Transactions on Software Engineering*, 19(6):554–570, June 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=232021>. [SPL96]
- Song:1994:EAC**
- [SO94] Xiping Song and L. J. Osterweil. Experience with an approach to comparing software design methodologies. *IEEE Transactions on Software Engineering*, 20(5):364–384, May 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=286419>. **Song:1998:ESD**
- Xiping Song and L. J. Osterweil. Engineering software design processes to guide process execution. *IEEE Transactions on Software Engineering*, 24(9):759–775, September 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=713330>. **Son:1997:GEI**
- Sang H. Son. Guest editorial: Introduction to the special section. *IEEE Transactions on Software Engineering*, 23(10):601–602, October 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=637143>. **Sibert:1996:AIS**
- O. Sibert, P. A. Porras, and R. Lindell. An analysis of the Intel 80x86 security architecture and implementations. *IEEE Transactions on Software Engineering*, 22(5):283–293, May 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=502221>.

- [SPL98] **Seiter:1998:EOB**  
L. M. Seiter, J. Palsberg, and K. J. Lieberherr. Evolution of object behavior using context relations. *IEEE Transactions on Software Engineering*, 24(1):79–92, January 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=663999>.
- [SR92] **Setliff:1992:KRR**  
D. E. Setliff and R. A. Rutenbar. Knowledge representation and reasoning in a software synthesis architecture. *IEEE Transactions on Software Engineering*, 18(6):523–533, June 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=142874>.
- [SR93] **Solheim:1993:EST**  
J. A. Solheim and J. H. Rowland. An empirical study of testing and integration strategies using artificial software systems. *IEEE Transactions on Software Engineering*, 19(10):941–949, October 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=245736>.
- [SR98] **Sowmya:1998:EST**  
A. Sowmya and S. Ramesh. Extending statecharts with temporal logic. *IEEE Transactions on Software Engineering*, 24(3):216–231, March 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=667880>.
- [SR99] **Siff:1999:IMC**  
M. Siff and T. Reps. Identifying modules via concept analysis. *IEEE Transactions on Software Engineering*, 25(6):749–768, November/December 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=824377>.
- [SS91] **Sellis:1991:QON**  
T. K. Sellis and L. Shapiro. Query optimization for nontraditional database applications. *IEEE Transactions on Software Engineering*, 17(1):77–86, January 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67580>.
- [SS95a] **Saavedra:1995:PCO**  
R. H. Saavedra and A. J. Smith. Performance characterization of optimizing compilers. *IEEE Transactions on Software Engineering*, 21(7):615–628, July 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67580>.

- ieeexplore.ieee.org/stamp/  
stamp.jsp?arnumber=392982.
- [SS95b] M. G. Sriram and M. Singhal. Measures of the potential for load sharing in distributed computing systems. *IEEE Transactions on Software Engineering*, 21(5):468–475, May 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=387476>.
- [SS97] M. Shepperd and C. Schofield. Estimating software project effort using analogies. *IEEE Transactions on Software Engineering*, 23(11):736–743, November 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=637387>.
- [SSM90] T. Suzuki, S. M. Shatz, and T. Murata. A protocol modeling and verification approach based on a specification language and Petri nets. *IEEE Transactions on Software Engineering*, 16(5):523–536, May 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=52775>.
- [SSV99] I. Sommerville, P. Sawyer, and S. Viller. Managing process inconsistency using viewpoints. *IEEE Transactions on Software Engineering*, 25(6):784–799, November/December 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=824395>.
- [Sta93] M. G. Staskauskas. Formal derivation of concurrent programs: an example from industry. *IEEE Transactions on Software Engineering*, 19(5):503–528, May 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=232015>.
- [Sta95] A. M. Stavelly. Verifying definite iteration over data structures. *IEEE Transactions on Software Engineering*, 21(6):506–514, June 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=391377>.
- [Sto94] S. Stoller. Addendum to “Proof rules for flush channels”. *IEEE Transactions on Software Engineering*, 20(8):664–??, August 1994. CODEN IESEDJ.

- ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=310675>. See [CKA93].
- [Suz90] **Suzuki:1990:FAA**  
I. Suzuki. Formal analysis of the alternating bit protocol by temporal Petri nets. *IEEE Transactions on Software Engineering*, 16(11):1273–1281, November 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60315>.
- [SV92] **Sinha:1992:CFE**  
A. P. Sinha and I. Vessey. Cognitive fit: an empirical study of recursion and iteration. *IEEE Transactions on Software Engineering*, 18(5):368–379, May 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=135770>.
- [SVK97] **Stewart:1997:DDR**  
D. B. Stewart, R. A. Volpe, and P. K. Khosla. Design of dynamically reconfigurable real-time software using port-based objects. *IEEE Transactions on Software Engineering*, 23(12):759–776, December 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=637390>.
- [SW93] **Smith:1993:SPE**  
C. U. Smith and L. G. Williams. Software performance engineering: a case study including performance comparison with design alternatives. *IEEE Transactions on Software Engineering*, 19(7):720–741, July 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=238572>.
- [SWO97] **Sitaraman:1997:PNA**  
M. Sitaraman, B. W. Weide, and W. F. Ogden. On the practical need for abstraction relations to verify abstract data type representations. *IEEE Transactions on Software Engineering*, 23(3):157–170, March 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=585503>.
- [SY93] **Strom:1993:ETC**  
R. E. Strom and D. M. Yellin. Extending typestate checking using conditional liveness analysis. *IEEE Transactions on Software Engineering*, 19(5):478–485, May 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=232013>.

- [SZ92] **Schwan:1992:DSH**  
 K. Schwan and H. Zhou. Dynamic scheduling of hard real-time tasks and real-time threads. *IEEE Transactions on Software Engineering*, 18(8):736–748, August 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=153383>.
- [Tai96] **Tai:1996:TFB**  
 Kuo-Chung Tai. Theory of fault-based predicate testing for computer programs. *IEEE Transactions on Software Engineering*, 22(8):552–562, August 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=536956>.
- [Tay92] **Taylor:1992:LFC**  
 H. Taylor. A lingua franca for concurrent logic programming. *IEEE Transactions on Software Engineering*, 18(3):225–236, March 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=126771>.
- [TBH91] **Taff:1991:EDE**  
 L. M. Taff, J. W. Borchering, and W. R. Hudgins. Estimeetings: development estimates and a front-end process for a large project. *IEEE Transactions on Software Engineering*, 17(8):839–849, August 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=83918>.
- [TC95] **Tyrrell:1995:CMI**  
 A. M. Tyrrell and G. F. Carpenter. CSP methods for identifying atomic actions in the design of fault tolerant concurrent systems. *IEEE Transactions on Software Engineering*, 21(7):629–639, July 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=392983>.
- [TCO91] **Tai:1991:DCA**  
 K. C. Tai, R. H. Carver, and E. E. Obaid. Debugging concurrent Ada programs by deterministic execution. *IEEE Transactions on Software Engineering*, 17(1):45–63, January 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67578>.
- [TDN93] **Tsoukalas:1993:SRE**  
 M. Z. Tsoukalas, J. W. Duran, and S. C. Ntafos. On some reliability estimation problems in random and partition testing. *IEEE Transactions on Software Engineering*, 19(7):687–697, July 1993. CODEN IESEDJ.



ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=238569>.

**Tsai:1990:NMR**

[TFCB90]

J. J. P. Tsai, K. Y. Fang, H. Y. Chen, and Y. D. Bi. A non-interference monitoring and replay mechanism for real-time software testing and debugging. *IEEE Transactions on Software Engineering*, 16(8):897–916, August 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=57626>.

**Tsai:1990:ICS**

[TGC90]

C. R. Tsai, V. D. Gligor, and C. S. Chandrasekaran. On the identification of covert storage channels in secure systems. *IEEE Transactions on Software Engineering*, 16(6):569–580, June 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=55086>.

**Tian:1995:ITD**

[Tia95]

J. Tian. Integrating time domain and input domain analyses of software reliability using tree-based models. *IEEE Transactions on Software Engineering*, 21(12):945–958, December 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=489071>.

[TLK92]

[ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=489071](http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=489071).

**Taylor:1992:STC**

R. N. Taylor, D. L. Levine, and C. D. Kelly. Structural testing of concurrent programs. *IEEE Transactions on Software Engineering*, 18(3):206–215, March 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=126769>.

**Tian:1995:TEB**

[TLP95]

J. Tian, Peng Lu, and J. Palma. Test-execution-based reliability measurement and modeling for large commercial software. *IEEE Transactions on Software Engineering*, 21(5):405–414, May 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=387470>.

**Tsang:1998:LDA**

[TM98]

S. Tsang and E. H. Magill. Learning to detect and avoid run-time feature interactions in intelligent networks. *IEEE Transactions on Software Engineering*, 24(10):818–830, October 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=729682>.

**Taylor:1996:CMB**

- [TMA<sup>+</sup>96] R. N. Taylor, N. Medvidovic, K. M. Anderson, E. J. Whitehead, J. E. Robbins, K. A. Nies, P. Oreizy, and D. L. Dubrow. A component- and message-based architectural style for GUI software. *IEEE Transactions on Software Engineering*, 22(6):390–406, June 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=508313>.

**Thibault:1999:DSL**

- [TMC99] S. A. Thibault, R. Marlet, and C. Consel. Domain-specific languages: from design to implementation application to video device drivers generation. *IEEE Transactions on Software Engineering*, 25(3):363–377, May/June 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=798325>.

**Torii:1999:GEC**

- [TMN<sup>+</sup>99] K. Torii, K. Matsumoto, K. Nakakoji, Y. Takada, S. Takada, and K. Shima. Ginger2: an environment for computer-aided empirical software engineering. *IEEE Transactions on Software Engineering*, 25(4):474–492, July/August 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6313018>. See comments [Kau90].

[ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=799942](http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=799942).

**Tomek:1993:MCS**

- [TMT93] L. A. Tomek, J. K. Muppala, and K. S. Trivedi. Modeling correlation in software recovery blocks. *IEEE Transactions on Software Engineering*, 19(11):1071–1086, November 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=256854>.

**Triantafillou:1997:ASC**

- [TN97] P. Triantafillou and C. Neilson. Achieving strong consistency in a distributed file system. *IEEE Transactions on Software Engineering*, 23(1):35–55, January 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=581328>.

**Towsley:1986:APC**

D. Towsley. Allocating programs containing branches and loops within a multiple processor system. *IEEE Transactions on Software Engineering*, SE-12(10):1018–1024, October 1986. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6313018>. See comments [Kau90].

- Towsley:1990:CAP**
- [Tow90] D. Towsley. Correction to “Allocating programs containing branches and loops within a multiple processor system”. *IEEE Transactions on Software Engineering*, 16(4):472–??, April 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=54299>.
- Thomasian:1991:PAT**
- [TR91] A. Thomasian and I. K. Ryu. Performance analysis of two-phase locking. *IEEE Transactions on Software Engineering*, 17(5):386–402, May 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=90443>.
- Triantafillou:1996:IRL**
- [Tri96] P. Triantafillou. Independent recovery in large-scale distributed systems. *IEEE Transactions on Software Engineering*, 22(11):812–826, November 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=553700>.
- Triantafillou:1995:LBP**
- [TT95] P. Triantafillou and D. J. Taylor. The location-based paradigm for replication: Achieving efficiency and availability in distributed systems. *IEEE Transactions on Software Engineering*, 21(1):1–18, January 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=341843>.
- Tucci:1994:PNL**
- [TVC94] M. Tucci, G. Vitiello, and G. Costagliola. Parsing non-linear languages. *IEEE Transactions on Software Engineering*, 20(9):720–739, September 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=317427>.
- Tsai:1990:ATC**
- [TVK90] W. T. Tsai, D. Volovik, and T. F. Keefe. Automated test case generation for programs specified by relational algebra queries. *IEEE Transactions on Software Engineering*, 16(3):316–324, March 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=48939>.
- Tsai:1992:HKR**
- [TWJ92] J. J. P. Tsai, T. Weigert, and H. C. Jang. A hybrid knowledge representation as a basis of requirement specification and specification analysis. *IEEE Transactions on Software Engineering*, 18(12):1076–1100, De-

- cember 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=184762>.
- [TYC95] **Tsai:1995:TCP** J. J. P. Tsai, S. Jennhwa Yang, and Yao-Hsiung Chang. Timing constraint Petri nets and their application to schedulability analysis of real-time system specifications. *IEEE Transactions on Software Engineering*, 21(1):32–49, January 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=341845>.
- [TYOJ91] **Tohma:1991:EPH** Y. Tohma, H. Yamano, M. Ohba, and R. Jacoby. The estimation of parameters of the hypergeometric distribution and its application to the software reliability growth model. *IEEE Transactions on Software Engineering*, 17(5):483–489, May 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=90450>.
- [TZ95] **Tian:1995:CME** J. Tian and M. V. Zelkowitz. Complexity measure evaluation and selection. *IEEE Transactions on Software Engineering*, 21(8):641–650, August 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=403788>.
- [UGB93] **Ukelson:1993:UNC** J. P. Ukelson, J. D. Gould, and S. J. Boies. User navigation in computer applications. *IEEE Transactions on Software Engineering*, 19(3):297–306, March 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=221139>.
- [VAA99] **Varvarigou:1999:RMA** T. A. Varvarigou, M. E. Anagnostou, and S. R. Ahuja. Reconfiguration models and algorithms for stateful interactive processes. *IEEE Transactions on Software Engineering*, 25(3):401–415, May/June 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=798328>.
- [VD95] **Venkatesan:1995:TDD** S. Venkatesan and B. Dathan. Testing and debugging distributed programs using global predicates. *IEEE Transactions on Software Engineering*, 21(2):163–177, February 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=345831>.

- Vestal:1994:FPS**
- [Ves94] S. Vestal. Fixed-priority sensitivity analysis for linear compute time models. *IEEE Transactions on Software Engineering*, 20(4):308–317, April 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=277577>.
- Venkatesh:1992:SDE**
- [VF92] G. A. Venkatesh and C. N. Fischer. SPARE: a development environment for program analysis algorithms. *IEEE Transactions on Software Engineering*, 18(4):304–318, April 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=129219>.
- vanGenuchten:1991:WSL**
- [vG91] M. van Genuchten. Why is software late? An empirical study of reasons for delay in software development. *IEEE Transactions on Software Engineering*, 17(6):582–590, June 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=87283>.
- vanLamsweerde:1998:MCG**
- [vLDL98] A. van Lamsweerde, R. Darimont, and E. Letier. Managing conflicts in goal-driven requirements engineering. *IEEE Transactions on Software Engineering*, 24(11):908–926, November 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=730542>.
- vanLamsweerde:1998:IDR**
- [vLW98] A. van Lamsweerde and L. Willemet. Inferring declarative requirements specifications from operational scenarios. *IEEE Transactions on Software Engineering*, 24(12):1089–1114, December 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=738341>.
- Valenzano:1990:SPT**
- [VMC90] A. Valenzano, P. Montuschi, and L. Ciminiera. Some properties of timed token medium access protocols. *IEEE Transactions on Software Engineering*, 16(8):858–869, August 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=57628>.
- vonMayrhauser:1999:CSS**
- [vML99] A. von Mayrhauser and S. Lang. A coding scheme to support systematic analysis of software comprehension. *IEEE Transactions on Software Engineering*, 25(4):526–540, July/August 1999. CODEN IESEDJ. ISSN

- 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=799950>. [VT92]
- [Voa92] J. M. Voas. PIE: a dynamic failure-based technique. *IEEE Transactions on Software Engineering*, 18(8):717–727, August 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=153381>.
- [Vos91] Michael D. Vose. A linear algorithm for generating random numbers with a given distribution. *IEEE Transactions on Software Engineering*, 17(9):972–975, September 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=92917>.
- [VS95] S. Vranes and M. Stanojevic. Integrating multiple paradigms within the blackboard framework. *IEEE Transactions on Software Engineering*, 21(3):244–262, March 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=372151>.
- [VW93] S. A. Vander Wiel and L. G. Votta. Assessing software designs using capture-recapture methods. *IEEE Transactions on Software Engineering*, 19(11):1045–1054, November 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=256852>.
- [VW96] A. Von Mayrhauser and A. M. Vans. Identification of dynamic comprehension processes during large scale maintenance. *IEEE Transactions on Software Engineering*, 22(6):424–437, June 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=508315>.
- [Wan96] Lin Lin Wang. Thorough investigation into “An improved algorithm based on subset closures for synthesizing a relational database scheme”. *IEEE*
- Voas:1992:PDF**
- Vose:1991:LAG**
- Vranes:1995:IMP**
- Verner:1992:SSM**
- VanderWiel:1993:ASD**
- VonMayrhauser:1996:IDC**
- Wang:1996:TII**

- Transactions on Software Engineering*, 22(4):271–274, April 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=491651>. See [YLN88].
- [War96] M. Ward. Derivation of data intensive algorithms by formal transformation: the Schnorr–Waite graph marking algorithm. *IEEE Transactions on Software Engineering*, 22(9):665–686, September 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=541437>.
- [WB97] A. Wellings and A. Burns. Implementing atomic actions in Ada 95. *IEEE Transactions on Software Engineering*, 23(2):107–123, February 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=585500>.
- [WB98] G. Welling and B. R. Badrinath. An architecture for exporting environment awareness to mobile computing applications. *IEEE Transactions on Software Engineering*, 24(5):391–400, May 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=685262>.
- [WC90] S. R. White and L. Comerford. ABYSS: an architecture for software protection. *IEEE Transactions on Software Engineering*, 16(6):619–629, June 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=55090>.
- [WEHL94] B. W. Weide, S. H. Edwards, D. E. Harms, and D. A. Lamb. Design and specification of iterators using the swapping paradigm. *IEEE Transactions on Software Engineering*, 20(8):631–643, August 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=310672>.
- [Wey90] E. J. Weyuker. The cost of data flow testing: an empirical study. *IEEE Transactions on Software Engineering*, 16(2):121–128, February 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44376>.

**White:1990:AAS**

**Ward:1996:DDI**

**Weide:1994:DSI**

**Wellings:1997:IAA**

**Weyuker:1990:CDF**

**Welling:1998:AEE**

- [Wey93] **Weyuker:1993:MED**  
 E. J. Weyuker. More experience with data flow testing. *IEEE Transactions on Software Engineering*, 19(9):912–919, September 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=241773>.
- [WF93] **Wu:1993:RTU**  
 K. L. Wu and W. K. Fuchs. Rapid transaction-undo recovery using twin-page storage management. *IEEE Transactions on Software Engineering*, 19(2):155–164, February 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=214832>.
- [WF98] **Wermelinger:1998:CMP**  
 M. Wermelinger and J. L. Fiadeiro. Connectors for mobile programs. *IEEE Transactions on Software Engineering*, 24(5):331–341, May 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=685257>.
- [WGS94] **Weyuker:1994:AGT**  
 E. Weyuker, T. Goradia, and A. Singh. Automatically generating test data from a Boolean specification. *IEEE Transactions on Software Engineering*, 20(5):353–363, May 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=286420>.
- [WH92] **Wilde:1992:MSO**  
 N. Wilde and R. Huitt. Maintenance support for object-oriented programs. *IEEE Transactions on Software Engineering*, 18(12):1038–1044, December 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=1263033>.
- [WH94] **Weerahandi:1994:SQM**  
 S. Weerahandi and R. E. Hausman. Software quality measurement based on fault-detection data. *IEEE Transactions on Software Engineering*, 20(9):665–676, September 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=317425>.
- [WHH<sup>+</sup>92] **Waldspurger:1992:SDC**  
 C. A. Waldspurger, T. Hogg, B. A. Huberman, J. O. Kephart, and W. S. Stornetta. Spawn: a distributed computational economy. *IEEE Transactions on Software Engineering*, 18(2):103–117, February 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=1263033>.



ieeexplore.ieee.org/stamp/  
stamp.jsp?arnumber=121753.

**Wing:1990:ULS**

[Win90]

J. M. Wing. Using Larch to specify Avalon/C++ objects. *IEEE Transactions on Software Engineering*, 16(9):1076–1088, September 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=58791>.

**Weyuker:1991:APT**

[WJ91]

E. J. Weyuker and B. Jeng. Analyzing partition testing strategies. *IEEE Transactions on Software Engineering*, 17(7):703–711, July 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=83906>.

**Willson:1990:PNT**

[WK90]

R. G. Willson and B. H. Krogh. Petri net tools for the specification and analysis of discrete controllers. *IEEE Transactions on Software Engineering*, 16(1):39–50, January 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44362>.

**Walter:1997:FVL**

[WLS97]

C. J. Walter, P. Lincoln, and N. Suri. Formally verified on-

line diagnosis. *IEEE Transactions on Software Engineering*, 23(11):684–721, November 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=637385>.

**Wang:1995:RTB**

[WM95]

Rwo-Hsi Wang and A. K. Mok. Response-time bounds of EQL rule-based programs under rule priority structure. *IEEE Transactions on Software Engineering*, 21(7):605–614, July 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=392981>.

**Wang:1997:DVC**

[WM97]

Changqing Wang and D. R. Musser. Dynamic verification of C++ generic algorithms. *IEEE Transactions on Software Engineering*, 23(5):314–323, May 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=588523>.

**Whang:1992:TDS**

[WMS<sup>+</sup>92]

K. Y. Whang, A. Malhotra, G. H. Sockut, L. Burns, and K. S. Choi. Two-dimensional specification of universal quantification in a graphical database query language. *IEEE Transactions on Software Engineering*, 18(3):216–224, March

1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=126770>. [WR94b]
- [Woo95] C. M. Woodside. A three-view model for performance engineering of concurrent software. *IEEE Transactions on Software Engineering*, 21(9):754–767, September 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=464545>. [WR96]
- [WP94] Yabo Wang and D. L. Parnas. Simulating the behavior of software modules by trace rewriting. *IEEE Transactions on Software Engineering*, 20(10):750–759, October 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=328996>. [WRH98]
- [WR94a] C. Wohlin and P. Runeson. Certification of software components. *IEEE Transactions on Software Engineering*, 20(6):494–499, June 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=295896>. [WS90]
- Wohlwend:1994:SSI**
- H. Wohlwend and S. Rosenbaum. Schlumberger's software improvement program. *IEEE Transactions on Software Engineering*, 20(11):833–839, November 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=368125>.
- Wilcox:1996:RAP**
- C. D. Wilcox and G. C. Roman. Reasoning about places, times, and actions in the presence of mobility. *IEEE Transactions on Software Engineering*, 22(4):225–247, April 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=491647>.
- Waheed:1998:MED**
- A. Waheed, D. T. Rover, and J. K. Hollingsworth. Modeling and evaluating design alternatives for an on-line instrumentation system: a case study. *IEEE Transactions on Software Engineering*, 24(6):451–470, June 1998. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=689402>.
- Woodbury:1990:MAW**
- M. H. Woodbury and K. G. Shin. Measurement and anal-

- ysis of workload effects on fault latency in real-time systems. *IEEE Transactions on Software Engineering*, 16(2):212–216, February 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44383>. [WT94]
- Wang:1992:CAA**
- [WS92] D. Wang and B. Schurmann. Computer aided analysis and derivation for artificial neural systems. *IEEE Transactions on Software Engineering*, 18(8):728–735, August 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=153382>. [WW90]
- Wu:1997:PSS**
- [WS97] M. Y. Wu and W. Shu. On parallelization of static scheduling algorithms. *IEEE Transactions on Software Engineering*, 23(8):517–528, August 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=624307>. [WW91]
- Wolfson:1991:MCN**
- [WSY91] O. Wolfson, S. Sengupta, and Y. Yemini. Managing communication networks by monitoring databases. *IEEE Transactions on Software Engineering*, 17(9):944–953, September 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=92914>. [Whittaker:1994:MCM]
- J. A. Whittaker and M. G. Thomason. A Markov chain model for statistical software testing. *IEEE Transactions on Software Engineering*, 20(10):812–824, October 1994. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=328991>. [Wand:1990:OMI]
- Y. Wand and R. Weber. An ontological model of an information system. *IEEE Transactions on Software Engineering*, 16(11):1282–1292, November 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=60316>. [Wojcik:1991:RGE]
- Z. M. Wojcik and B. E. Wojcik. Rough grammar for efficient and fault-tolerant computing on a distributed system. *IEEE Transactions on Software Engineering*, 17(7):652–668, July 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=83902>.

- Xu:1990:SPR**
- [XP90] J. Xu and D. L. Parnas. Scheduling processes with release times, deadlines, precedence and exclusion relations. *IEEE Transactions on Software Engineering*, 16(3):360–369, March 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=48943>.
- Xu:1993:CST**
- [XP93a] J. Xu and D. L. Parnas. Correction to ‘On satisfying timing constraints in hard-real-time systems’ by J. Xu and D. L. Parnas. *IEEE Transactions on Software Engineering*, 19(3):310–??, March 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=221141>.
- Xu:1993:STC**
- [XP93b] J. Xu and D. L. Parnas. On satisfying timing constraints in hard-real-time systems. *IEEE Transactions on Software Engineering*, 19(1):70–84, January 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=210308>.
- Xu:1993:MSP**
- [Xu93] J. Xu. Multiprocessor scheduling of processes with release times, deadlines, precedence, and exclusion relations. *IEEE Transactions on Software Engineering*, 19(2):139–154, February 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=214831>.
- Yadav:1990:CDM**
- [Yad90] S. B. Yadav. Control and definition modularization: an improved software design technique for organizing programs. *IEEE Transactions on Software Engineering*, 16(1):92–99, January 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=44367>.
- Yu:1992:WCR**
- [YCHL92] P. S. Yu, M. S. Chen, H. U. Heiss, and S. Lee. On workload characterization of relational database environments. *IEEE Transactions on Software Engineering*, 18(4):347–355, April 1992. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=129222>.
- Yu:1992:AHC**
- [YD92] P. S. Yu and D. M. Dias. Analysis of hybrid concurrency control schemes for a high data contention environment. *IEEE Transactions on Software Engineering*, 18(2):118–129, February 1992. CODEN IESEDJ.

- ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=121754>. [YLN88]
- [YD93] P. S. Yu and D. M. Dias. Performance analysis of concurrency control using locking with deferred blocking. *IEEE Transactions on Software Engineering*, 19(10):982–996, October 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=245740>.
- [YD95] K. Yasumatsu and N. Doi. SPiCE: a system for translating Smalltalk programs into a C environment. *IEEE Transactions on Software Engineering*, 21(11):902–912, November 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=473219>.
- [YG90] C. F. Yu and V. D. Gligor. A specification and verification method for preventing denial of service. *IEEE Transactions on Software Engineering*, 16(6):581–592, June 1990. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=55087>.
- Yu:1993:PAC**
- Yasumatsu:1995:SST**
- Yu:1990:SVM**
- Yang:1988:IAB**
- C. C. Yang, G. Li, and P. A. B. Ng. An improved algorithm based on subset closures for synthesizing a relational database scheme. *IEEE Transactions on Software Engineering*, 14(11):1731–1738, November 1988. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=9058>. See investigation [Wan96].
- Young:1993:CTL**
- [YLT93] M. Young, D. L. Levine, and R. N. Taylor. Comments on “Temporal logic-based deadlock analysis for Ada” by G. M. Karam and R. J. A. Burh. *IEEE Transactions on Software Engineering*, 19(2):198–199, February 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=214836>. See [KB91].
- Younis:1999:SSS**
- [YMST99] M. F. Younis, T. J. Marlowe, A. D. Stoyen, and G. Tsai. Statically safe speculative execution for real-time systems. *IEEE Transactions on Software Engineering*, 25(5):701–721, September/October 1999. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=815328>.

**Young:1997:CVS**

- [You97] W. D. Young. Comparing verification systems: interactive consistency in ACL2. *IEEE Transactions on Software Engineering*, 23(4):214–223, April 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=588536>.

**Yazia-Pekergin:1991:SBE**

- [YPV91] N. Yazia-Pekergin and J. M. Vincent. Stochastic bounds on execution times of parallel programs. *IEEE Transactions on Software Engineering*, 17(10):1005–1012, October 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=99189>.

**Yen:1993:HFE**

- [YS93] M. Y. M. Yen and R. W. Scamell. A human factors experimental comparison of SQL and QBE. *IEEE Transactions on Software Engineering*, 19(4):390–409, April 1993. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=223806>.

**Yadav:2001:CFI**

- [YSW<sup>+</sup>01] S. B. Yadav, N. G. Shaw, L. Webb, C. Sutcu, T. L. Roberts, M. L. Gibson, R. K.

Rainer, and K. T. Fields. Comments on “Factors that impact implementing a system development methodology” [with reply]. *IEEE Transactions on Software Engineering*, 27(3):279–286, March 2001. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=910863>. See [RGFR98] and response [RGRF01].

**Yan:1997:SSM**

- [YZM97] Yong Yan, Xiaodong Zhang, and Qian Ma. Software support for multiprocessor latency measurement and evaluation. *IEEE Transactions on Software Engineering*, 23(1):4–16, January 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=581326>.

**Zahedi:1991:SRA**

- [ZA91] F. Zahedi and N. Ashrafi. Software reliability allocation based on structure, utility, price, and cost. *IEEE Transactions on Software Engineering*, 17(4):345–356, April 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=90434>.

**Zave:1991:IEP**

- [Zav91] P. Zave. An insider’s evaluation of PAISLey. *IEEE*

- Transactions on Software Engineering*, 17(3):212–225, March 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=75412>. [ZJ96]
- Zweben:1995:ELE**
- [ZEW95] S. H. Zweben, S. H. Edwards, B. W. Weide, and J. E. Hollingsworth. The effects of layering and encapsulation on software development cost and quality. *IEEE Transactions on Software Engineering*, 21(3):200–208, March 1995. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=372147>.
- Zhang:1991:PMM**
- [Zha91] X. Zhang. Performance measurement and modeling to evaluate various effects on a shared memory multiprocessor. *IEEE Transactions on Software Engineering*, 17(1):87–93, January 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=67581>. [Zus97]
- Zhu:1996:FAS**
- [Zhu96] Hong Zhu. A formal analysis of the subsume relation between software test adequacy criteria. *IEEE Transactions on Software Engineering*, 22(4):248–255, April 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=491648>.
- Zave:1996:WDO**
- P. Zave and M. Jackson. Where do operations come from? A multiparadigm specification technique. *IEEE Transactions on Software Engineering*, 22(7):508–528, July 1996. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=538607>.
- Zhang:1991:PPE**
- [ZQ91] X. Zhang and X. Qin. Performance prediction and evaluation of parallel processing on a NUMA multiprocessor. *IEEE Transactions on Software Engineering*, 17(10):1059–1068, October 1991. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=99193>.
- Zuse:1997:RPB**
- H. Zuse. Reply to: “Property-based software engineering measurement”. *IEEE Transactions on Software Engineering*, 23(8):533–??, August 1997. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=624309>. See [BMB96].