

A Complete Bibliography of *ACM Transactions on Sensor Networks*

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, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: <http://www.math.utah.edu/~beebe/>

21 April 2020
Version 1.36

Title word cross-reference

[TDD⁺19]. **802.15.4m** [BAP⁺17].

A-MAC [DDHC⁺12]. **Abstraction** [JJ15, RKJ09]. **Accelerating** [CS17].
Accelerations [ZHL⁺15]. **Access** [SBSD18, PFJ13, RDR07]. **accuracy** [BHA⁺13]. **Accurate** [AHK16, COS19, PKC⁺18, VTY18, ZLW⁺15]. **Achieving** [VHC⁺09, WC13, ZGHZ12]. **Acoustic** [CK09, GYNY16, GAJ⁺06, KVI⁺13, SHY13].
Acoustical [MKK⁺13]. **acquisition** [AAA06]. **Across** [HPS⁺18, SPK⁺10].
Activation [MNLZ18, BCL⁺12, HR13, JKK08]. **Active** [MGS⁺15, IW14]. **Activity** [Pha16, WHYC19, YYSLO8, dLM14]. **Actor** [WHST16]. **Acts** [HL17]. **aCtuation** [WWB⁺19]. **actuator**

2 [BY19, CWY⁺15, TJZ⁺13]. 3 [Amm16, BY19, TJZ⁺13, TGG⁺19, WWL⁺16, WJD16, YRB⁺17]. 2 [AAHS18].
 α [ZH05]. k [Amm13, Amm16, SCWC13]. μ [RHS20].

-coverage [Amm13, SCWC13]. **-Covered** [Amm16]. **-D** [BY19]. **-lifetime** [ZH05].
-Mote [CWY⁺15].

2 [BNN⁺20, XDX⁺14].

5.0 [YYC⁺19].

802.15.4 [PEFSV13, PFJ13]. **802.15.4e**

[GRE⁺07, PCR13, ZVPS10]. **Ad** [CS17, CS18, VDV16, CVY09, DRC06, KPK12, LYG⁺13, NJS05, PR10, SS13]. **ad-hoc** [CVY09, SS13]. **Adaptation** [HL17, BCL⁺12, CUdVY13, EMBP12, SPK14, XTZ08]. **Adapting** [JJ15]. **Adaptive** [AKSM15, CRZ⁺20, HF17, HKG⁺19, KCE⁺20, LDZ13, LMZ⁺16, LC14b, LHX16, SGM08, SCWC13, ZCLJ14, KLJ12, KRJ09, PDMJ10, QM13, YH13]. **Adjustable** [FLS⁺14, MZW⁺19]. **Advanced** [AH14, ZYZ⁺19]. **After** [HBW⁺18]. **After-sales** [HBW⁺18]. **Against** [TDD⁺19, CKHP19, LPV⁺09, LWCJ14, NLD08, WC09, WC12, XBWX13, ZSJN07]. **agent** [JR08]. **Agents** [SHWW20]. **AGgregation** [YS07, ARWK19, BYD⁺15, CDR08, HMLJ17, HLN⁺11, LCC⁺17, SCL⁺14, XAKV15, CCMT09, CC11, CNMH08, ELR08, Kal10, KLJ12, MS09, NGS08, ZJX10]. **Agreement** [YLSZ19]. **Ahead** [RS19]. **Ahead-of-time** [RS19]. **ahoi** [RHS20]. **Air** [YXG⁺19]. **AirContour** [YXG⁺19]. **Algorithm** [AH20, CS17, CNMH08, CVY09, FKMS06, KLC13]. **algorithmic** [Su07]. **Algorithms** [TJLK14, WJD16, BLWY06, CKL⁺09, Dji10, MAG13, NEKK12, ZSG09]. **Alive** [BR15]. **Allocation** [HCL15, MSAJ18, YM14, ZGX⁺16, SC12]. **Amongst** [MSAJ18]. **Analysis** [BAP⁺17, BQB⁺11, CPL⁺20, DIE14, FC18, GKRW17, LCC10, MB16, PS17, RDR07, ZJZ12, CKL⁺09, JTS09, JKS⁺10, PFJ13, WKA14, ZK07, ZBA07]. **Analytic** [LPR09]. **Analytics** [BIMD19, FPA⁺20]. **Analyzing** [LM10a, LM10b]. **anchor** [TJZ⁺13]. **anchor-free** [TJZ⁺13]. **angle** [BGJ09]. **Anisotropic** [ZLW⁺15, LH09]. **anomalies** [RBLP09]. **Anomaly** [DD11, IPMGL18, PC10, dLM14]. **anonymity** [YSZC13]. **Antennas** [YTB⁺14, ZJZ12]. **Application** [JAC19, KKRR15, YCL⁺19, LHRM09, WZL08, IBS⁺10]. **Application-specific** [IBS⁺10]. **Applications** [BASM16, RFB⁺14, TJLK14, ZHL⁺15, ACG⁺13, CHN⁺13, CCJ08, LM10a, LM10b, LS10, SPK⁺10, ZSG09]. **applying** [YPW⁺13]. **Apportionment** [WCV⁺18]. **Approach** [KPRH14, MCLM20, SZ19, SGB15, TCN⁺17, WYY⁺19, ABM13, EGG13, HM07b, IR12, KBD14, LS10, NJS05, Su07, VAC13, WWLX13, XRH⁺13, ZLGG10]. **approaches** [EFI⁺10]. **Approximate** [CG18, LCC⁺17]. **approximately** [Kal10]. **Approximation** [Dji10]. **Aquatic** [WTX⁺16]. **Architecture** [HBW⁺18, PGG⁺10]. **Area** [DSH16, DGS16, Hau14, LFNS14, MSAJ18, RHD17, CJS11, HM07b, HR13, KNSM14, LYG⁺13, YSM08]. **Arms** [LJLW19]. **Arrivals** [JZL⁺19]. **AS-MAC** [QM13]. **as-rigid-as-possible** [ZLGG10]. **As-You-Go** [GCAK17]. **Assessment** [BAP⁺17, KR18]. **assignment** [LWH⁺06, RJL⁺10, TP07]. **Assignments** [HBKP14]. **Assisted** [DGS16, DPB19, WLZ13]. **association** [WL14]. **Assurance** [WRYL11]. **Asymmetric** [KLC⁺16]. **asymmetry** [SAZ10, ZK07]. **Asymptotic** [VMS10]. **Asynchronous** [ELR08, HY07, LLL14, WLD10]. **ATPC** [LMZ⁺16]. **Attack** [TDD⁺19]. **Attacks** [CKHP19, CPL⁺20, LWCJ14, MB16, CKL⁺09, LPV⁺09, NZR10, NLD08, PX13, XWDN12, ZSJN07]. **Attestation** [KBD13]. **audio** [LCH⁺09]. **Auditing** [TCN⁺17]. **augmented** [SPK14]. **Authenticated** [YLSZ19]. **authentication** [NLD08, WDLN09, XWDN12, ZSJN07]. **authenticity** [ADF12]. **Authority** [AKC⁺18]. **Auto** [KRP15, RKRP17]. **AutoCalib** [BTR⁺18]. **Automated** [NLH⁺19]. **Automatic** [BTR⁺18]. **Autonomous** [SAK⁺19]. **AutoWitness**

[GPL⁺12]. **AUVs** [RHS20]. **availability** [ADF12]. **Average** [CG18]. **Averages** [Kou18]. **avoidance** [WEC11]. **Aware** [ARWK19, BIMD19, EA15, MCLM20, RBS16, TNBG18, XXHL16, YXFL17, ZZZ⁺20, COS19, DLD09, FS13, GAJ⁺06, HR13, LCC10, HBLR05].

Balancing [KKP18, LP08, LKA10]. **Band** [GTL19]. **Bandstitched** [PKC⁺18]. **bandwidth** [CHN⁺13, CRW07, EMBP12]. **bandwidth-constrained** [CRW07]. **Barometer** [DSA⁺20]. **BaroSense** [DSA⁺20]. **Barrier** [FLS⁺14, CLX09]. **base** [SH09]. **Based** [AH14, BNN⁺20, CKHP19, EY14, GCAK17, HMLJ17, HSL⁺15, JAC19, KGBS18, KLC⁺16, Kou18, KRP15, LWCJ14, MDC17, MNLZ18, NGBB14, RKRP17, SMR⁺14, SUZK19, SZG⁺15, WJD16, WTX⁺16, WMT⁺19, XCT⁺16, XJR⁺17, YSK⁺15, YRB⁺17, AAA06, BLWY06, CLSW12, EMBP12, GCRB12, GBS08, HM07a, HCXT09, JHU⁺13, KBD14, KKK08, KPS12, KAS⁺10, LWG09, LND08, MDM⁺20, MS12, NEKK12, NJS05, NLH⁺19, PDMJ10, RS19, SGM08, SCL⁺19, TJZ⁺13, TXC⁺13, TBL07, VG10, VAC13, WYY⁺19, WHYC19, YH13, YXG⁺19, ZKS10, ZJX10, ZBA07, BHA⁺13]. **bases** [JLYG13]. **Bats** [DML⁺16]. **Battery** [CKHP19, HKG⁺19, SCL⁺19, ZLGL19]. **Battery-Free** [ZLGL19, SCL⁺19]. **Bayesian** [BT18, NP12, ORRJ12, WB17]. **beamforming** [FLJ⁺13]. **Beams** [TCB⁺14]. **Bed** [AJH⁺20]. **Behavior** [HL17, KGBS18, NDM⁺13]. **Behavior-oriented** [NDM⁺13]. **belief** [WL14]. **belts** [CLX09]. **benchmark** [LDH06]. **benefits** [JSBN⁺12]. **between** [FLFW13]. **Beyond** [YJWL13]. **Bi** [JAC19]. **Bi-dimensional** [JAC19]. **BikeGPS** [CT19]. **BikeNet** [EML⁺09]. **Bikes** [CT19]. **Bin** [YRB⁺17]. **Bin-Based** [YRB⁺17]. **Binary** [BQB⁺11, LMP14, SKM⁺11, SMMS09, WBS10]. **biological** [KAH⁺10]. **Bit** [HCL15]. **Blind** [BY19]. **BLITZ** [SDBT19]. **block** [LDH06]. **BLOW** [WWL⁺16]. **Blueprints** [LSW14]. **Bluetooth** [YYC⁺19]. **Body** [AJH⁺20, DSH16, DGS16, Hau14, MSAJ18, RHD17, LYG⁺13, VG10]. **bogus** [XWDN12]. **both** [HTW07]. **bound** [ZH05]. **Boundaries** [Sch15]. **Boundary** [CS17, CS18, SSGM10, ZBA07]. **Bounds** [Bra07, MCW⁺16]. **breach** [CRW07]. **Brick** [FC18]. **Bridging** [ZWWZ20]. **Bringing** [IHGS15]. **Broadcast** [XCC⁺15, ZLGL19, JROH09, NLD08, SGM08, WDLN09, XWDN12]. **broadcasting** [HM07a]. **buffering** [LCC10]. **bugs** [KLA⁺14]. **Building** [ECPC14, FPA⁺20, KOD⁺14, SCL⁺14, YXG⁺19]. **Buildings** [ABC⁺18, CHSA18, HBW⁺18, WCV⁺18, ZWWZ20]. **BuildSense** [COS19]. **BuildSys'17** [NJZ18]. **Built** [AKC⁺18]. **bulk** [GCRB12]. **Bytecode** [RS19].

cache [PA05]. **CAG** [YS07]. **Calibrating** [KNSM14]. **Calibration** [BTR⁺18, DRC06, TXY⁺13]. **CAMA** [DRW⁺14]. **Camera** [BTR⁺18, TAT14, TMAP14, CHN⁺13, DRC06, ES12, ELYR14, IW14, KNSM14, MCT14, SPK14, ST12, WL14, WC13]. **Cameras** [YRB⁺17, EGG13]. **Campaigns** [DD11]. **Can** [LSW14]. **cane** [HBC⁺09]. **canonical** [TP07]. **Canyons** [CT19]. **capabilities** [Bra07]. **capacitor** [ZGHZ12]. **capacitor-driven** [ZGHZ12]. **Capacity** [BIST18, HR13, LFW⁺19, ZJZ12]. **Capacity-** [HR13]. **CapNet** [SSL⁺19]. **Capping** [SSL⁺19]. **Capture** [DRW⁺14, MDC17]. **Carpooling** [ZHZ⁺16]. **Case** [COP⁺16, IV12, JKS⁺10, MRM09]. **Catching** [GSW09]. **CATS** [ZGX⁺16]. **CDS** [FKMS06]. **Cell** [JHU⁺13]. **Cell-based** [JHU⁺13]. **Cellular** [BRR⁺18]. **Center** [SSL⁺19]. **Centers** [CTW⁺15].

Centric [HCL15, XDX⁺¹⁴, CUdVY13, LCH⁺⁰⁹, YSM08]. **certification** [GSL10]. **Chain** [PK20]. **Challenges** [RDP16, RGB⁺¹⁷]. **Channel** [KR18, NK15, TNBG18, SC12, XTZ08]. **Channels** [GM14, VMS10, WWXY13]. **Charge** [SCG⁺¹⁵, ZZZ⁺²⁰]. **Charge-Aware** [ZZZ⁺²⁰]. **Charging** [CKHP19, LDC⁺¹⁹, LXR⁺¹⁶, MZW⁺¹⁹]. **checking** [KA13]. **Children** [YRB⁺¹⁷]. **Chromophore** [BNN⁺²⁰]. **ciphers** [LDH06]. **Classification** [AJH⁺²⁰, YRB⁺¹⁷]. **classifying** [BNG12]. **Clear** [KR18]. **Clock** [VTY18]. **clocks** [SSC⁺¹⁰]. **Clothing** [SZX17]. **CloudNavi** [TGG⁺¹⁹]. **Clouds** [TGG⁺¹⁹, TTBH14]. **Cluster** [AH20, KKK08, NGBB14, HM07a, JKS⁺¹⁰]. **Cluster-based** [KKK08, HM07a]. **Cluster-tree** [AH20, JKS⁺¹⁰]. **clustered** [MZWT10, YS07]. **clustering** [MB09]. **CMAC** [LFS09]. **CO** [AAHS18]. **coal** [LL09]. **coalition** [VAC13]. **Code** [DCBL15, PBM11, QM13]. **Codes** [DML⁺¹⁶, JJ15]. **Coding** [EA15, JAC19, VRSR15, WKYH17, DVS⁺¹⁴, KAAF13, MB09, WZL08]. **Coding-Aware** [EA15]. **Coexistence** [DSH16]. **Coexisting** [MSAJ18]. **Cold** [SMZ⁺¹⁷]. **Cold-Start** [SMZ⁺¹⁷]. **Collaboration** [PCPK14]. **Collaborative** [CRZ⁺²⁰, GSL10, HM07a, KQ14, WYY⁺¹⁹]. **Collaboratively** [LSW14]. **Collection** [DDA11, HLN⁺¹¹, JJ15, WBS14, YB17, GFJ⁺¹³, JHU⁺¹³, LKA10, Su07, WZL08]. **Combinatorial** [TCB⁺¹⁴, RR09, Su07]. **ComFor** [Amm16]. **Commercial** [WCV⁺¹⁸]. **Communication** [BY19, CSA06, DGS16, EY14, FM15, GM14, Hau14, HBW⁺¹⁸, PK20, RHS20, SBS18, SDBT19, KGGK11, KAR⁺¹⁴, LJY⁺¹⁰, PDMJ10, XLZ⁺⁰⁷]. **communication-efficient** [KGGK11]. **Communications** [WWFX11, WLS⁺¹⁶, SYL09]. **Communities** [SBS18]. **compact** [SZG13]. **Comparative** [MPRS16, MPC⁺¹⁰, RBD13]. **Compensation** [BNN⁺²⁰, XXHL16, SC12]. **Compilation** [RS19]. **Complex** [CS18, LFNS14, TJLK14, WHYC19, LWG09]. **Complex-Valued** [WHYC19]. **Complexity** [VRSR15, GJNC⁺¹⁴, KLA⁺¹⁴, MB09]. **Complexity-Constrained** [VRSR15]. **Component** [AH14]. **Component-Based** [AH14]. **components** [TLRE13]. **Composite** [Amm16]. **Composition** [FM15]. **Compression** [AKSM15, AH14, JAC19, LL16, RBD13, TCN⁺¹⁷, WB17, ZMVR14, HM07a, KLJ12, PKG08]. **Compressive** [CGB⁺¹⁹, EA15, XAKV15]. **compromise** [DLD09, PX13]. **compromises** [SZCC08]. **Computation** [SHWW20]. **computational** [XRS10]. **computer** [IW14]. **Computing** [SHWW20, Dji10]. **concave** [WX08]. **Concealed** [ARWK19]. **Concept** [WZL08]. **Concepts** [BASM16]. **Concurrence** [LCH^{+19b}]. **condition** [TBL07]. **condition-based** [TBL07]. **conditions** [FT06]. **Configuration** [JZX⁺²⁰, WWXY13, XWZ⁺⁰⁵, XLZ⁺⁰⁷]. **conflicting** [WKA14]. **Congestion** [DSA⁺²⁰, KKK08, WEC11]. **Connected** [GCAK17, SBS18, YTB⁺¹⁴, ZDG09]. **Connectivity** [BGMP15, ENPNF13, LWG09, TJZ⁺¹³, WJD16, CJS11, HTW07, XWZ⁺⁰⁵]. **Connectivity-Based** [WJD16, LWG09, TJZ⁺¹³]. **Consensus** [RBS16]. **Consensus-Aware** [RBS16]. **conservation** [XWZ⁺⁰⁵, YPW⁺¹³]. **conserving** [HLTC06, PA05]. **Consistency** [JM16]. **constant** [FT06, LHRM09]. **Constrained** [DBOD⁺¹⁶, LDC⁺¹⁹, VRSR15, ZMVR14, CSA06, CRW07, RS19]. **Constraints** [RD16, GCBL06]. **Constructing** [PSB⁺¹⁴]. **Construction**

[SCL⁺19, WWL⁺16, WJD16, PR10]. **Consumption** [JZX⁺20, LP08]. **Contactless** [LJLW19]. **Containing** [XWDN12]. **Contamination** [PK19]. **contention** [DIE14, RDR07, ZJX10]. **contention-based** [ZJX10]. **Context** [BIMD19, YXFL17]. **Context-Aware** [BIMD19, YXFL17]. **continuous** [JHU⁺13, WZL08]. **Contour** [YXG⁺19, SCWC13]. **Contour-based** [YXG⁺19]. **Control** [GTL19, HL17, JZL⁺19, KCE⁺20, KPCB20, LMZ⁺16, PK20, IW14, KKK08, KRJ09, LSW06, NC10, OBB⁺13, SG10, WWLX13, ZCLJ14]. **Controlled** [KSMH13, PG10]. **Controlling** [BIST18]. **convergent** [LFS09]. **Convex** [CS18, TJLK14]. **Cooperation** [CT19]. **Cooperative** [BIMD19, DSH16, DGS16, Lam15, LK09, NK14, ZGX⁺16, SYL09]. **coordinate** [DABNR10]. **coordinates** [CA06]. **Correction** [KRP15, RKRP17, KLC13]. **Correlated** [HCL15, WKYH17, GNDC08, JP06]. **Correlation** [SUZK19, PKG08]. **correlations** [JKK08, YS07]. **Cost** [COS19, LFL⁺19, TAT14, ODCP13]. **Cost-aware** [COS19]. **count** [NEKK12]. **Countersniper** [LNV⁺05]. **Counterstrategy** [CPL⁺20]. **Counting** [CG18]. **Counts** [HCL15]. **Cov** [Amm16]. **Cov-ComFor** [Amm16]. **cover** [ZDG09]. **Coverage** [CRW07, FLS⁺14, GM14, KQ12, Lam15, LFNS14, MZWT10, MCT14, MAG13, SAK⁺19, SCL⁺19, YTB⁺14, Amm13, Bra07, CGVC06, CLX09, CLH⁺13, CGD12, ENPNF13, HLTC06, HTW07, LP06, MRM09, SCWC13, WC13, WLZ13, XWZ⁺05, YYM⁺10, YLL13]. **coverage-preserving** [HLTC06]. **Covered** [Amm16]. **created** [MPC⁺10]. **Credential** [YLSZ19]. **criteria** [MCT14]. **Critical** [CJS11, PSB⁺14, TYGW15]. **CRONOS** [SZ19]. **Cross** [KPRH14, WXL⁺19]. **Cross-Layer** [KPRH14]. **Cross-Technology** [WXL⁺19]. **Crowd** [HSL⁺15, MJS⁺19, SML18]. **Crowd-Sensing** [SML18]. **crowded** [KQ12]. **CrowdLoc** [BRR⁺18]. **Crowds** [BRR⁺18]. **Crowdsensing** [CGB⁺19, Kou18, RGB⁺17, RFS⁺19, TGG⁺17, WYY⁺19]. **Crowdsourcing** [DSA⁺20]. **CSI** [WHYC19]. **CTP** [GFJ⁺13]. **Current** [AMTH⁺17, BJR15]. **Curve** [WWL⁺16, WJD16]. **cuts** [SST08]. **Cyber** [SJH⁺18, SDX⁺20]. **Cyber-Physical** [SJH⁺18, SDX⁺20]. **Cycle** [GLS⁺14, Pha16, XCC⁺15, PEFSV13, SPK14, WWLX13]. **Cycled** [Amm16, BGMP15, LCH⁺19b, SSC⁺10, YH13]. **Cycling** [LLL14, NK15, ZZZ⁺20, JCC⁺13]. **cyclist** [EML⁺09]. **D** [Amm16, TJZ⁺13, BY19, TJZ⁺13, TGG⁺19, WWL⁺16, WJD16, YRB⁺17]. **D-** [Amm16]. **D/** [TJZ⁺13]. **D2D** [WYY⁺19]. **Data** [ARWK19, AAHS18, ADF12, BYD⁺15, CTW⁺15, DD11, DDA11, EA15, GZZ⁺14, HMLJ17, HBKP14, HLN⁺11, HL17, HCL15, JZL⁺19, KYM17, LLX⁺14, LWCJ14, LC14a, PSB⁺14, SSL⁺19, SJH⁺18, SZ19, SCL⁺14, SXD⁺15, SG11, TCN⁺17, WRYL11, WBS14, XAKV15, YB17, ZGX⁺16, Amm13, AAA06, CDGC12, CCMT09, CC11, CNMH08, CGD12, CUdVY13, FLJ⁺13, GCBL06, GNDC08, JHU⁺13, JP06, Kal10, KBD13, KLJ12, KLA⁺14, KVI⁺13, LM10a, LM10b, LKA10, LK09, MDC⁺09, NRC⁺09, NP12, NDM⁺13, ORRJ12, PA05, PH10, RKW⁺06, SG10, TXY⁺13, TJWK13, WL14, WZL08, WLD10, ZKS10, ZJX10, ZSJN07]. **Data-Anomaly** [DD11]. **Data-Centric** [HCL15, CUdVY13]. **Data-driven** [LC14a]. **data-rate** [LM10a, LM10b]. **datasets** [SGG10]. **DCS** [CUdVY13]. **Dealing** [NZR10]. **Decentralized** [HLTC06, KRJ09, VDV16]. **Decomposition** [AAHS18]. **Dedicated** [LZN19]. **Deep**

[BNPR20]. **Defending** [LWCJ14, XTZ08]. **Delay** [DBOD⁺16, KPK12, PS17, VRSR15, WXL⁺19, WWLX13]. **delays** [LWXL12]. **Delivery** [KLC⁺16, PSB⁺14, WXL⁺19, PH10]. **demand** [KPB⁺08]. **Democratizing** [AKC⁺18]. **dense** [NEKK12]. **denser** [JSBN⁺12]. **density** [CJS11]. **Dependable** [TNBG18, WRYL11]. **Depleting** [CPL⁺20]. **deployed** [Amm13]. **deploying** [GRE⁺07]. **Deployment** [DLD09, GCAK17, DEM⁺12, JSBN⁺12, KC14, LN05, MPS10, OBB⁺13, RR09, SCWC13]. **Deployment-aware** [DLD09]. **deprivation** [SZZC08]. **Depth** [YRB⁺17]. **derived** [KLC13]. **Design** [BR15, CPP⁺17, DEM⁺12, FC18, GKRW17, HBC⁺09, LCH⁺09, OBB⁺13, ODCP13, PDP⁺17, RFB⁺14, XDX⁺14, CK09, TBL07, ZSG09]. **Designing** [COP⁺16, SBS18]. **designs** [RR09]. **Detecting** [GZZ⁺14, SST08, YRB⁺17]. **Detection** [AJH⁺20, ARWK19, BNPR20, CS17, CS18, DD11, DSA⁺20, HSL⁺15, IPMGL18, LZZ⁺15, MNLZ18, PTDD16, Sch15, SDČ10, Bra07, CGVC06, KBD14, KC14, KPK12, LPR09, NP12, PC10, TXC⁺13, TTBH14, WEC11, WRS10, ZDW⁺10, dLM14, SGG10]. **detector** [GAJ⁺06]. **determine** [RMB⁺10]. **Determining** [IPMGL18]. **Deterministic** [BDO14, BQB⁺11, SC15, SB16]. **Developing** [SMR⁺14, GRE⁺07]. **development** [ODCP13]. **Devices** [HPS⁺18, JZX⁺20, MDM⁺20, RS19, SDX⁺20, XJR⁺17, KNSM14, MKK⁺13]. **Diagnosis** [YSK⁺15]. **Diagnostic** [SEZA13]. **Diary** [FSSR15]. **DICTUM** [WWB⁺19]. **differences** [XRS10]. **Differentiating** [KR18]. **diffusion** [Gel07, NGS08]. **Digraphs** [KKRR15]. **Dimensional** [Amm16, JAC19]. **Dimensioning** [JKS⁺10]. **Direct** [Den09]. **Directed** [JROH09, EFI⁺10]. **Directional** [YTB⁺14, ZJZ12]. **Directions** [AMTH⁺17]. **Discovery** [MJS⁺19, ZHL⁺15, ZVPS10]. **Discrete** [KKP18]. **DISH** [TDD⁺19]. **Disjoint** [HSD16]. **disk** [FKMS06]. **Dispatching** [MCLM20]. **Disruptive** [PS17, SXD⁺15]. **dissemination** [FLJ⁺13]. **Distance** [HMLJ17, KASD09, SS13, YJWL13]. **Distance-Based** [HMLJ17]. **distance-sensitive** [KASD09]. **distances** [XRS10]. **distortion** [GCBL06, VMS10]. **Distributed** [AH20, AHK16, BYD⁺15, BJR15, BIST18, CVY09, CPH06, DRC06, HTW07, JJ15, LWXL12, LH09, LWCJ14, SZG13, SGB15, VRSR15, WL14, WBS10, WWL⁺16, YM14, YLL13, ABM13, CNMH08, ELYR14, FS13, FKMS06, GJNC⁺14, KC14, KASD09, PG09, TMAP14, WC09, WC12, ZVPS10, ZSJ06, TDD⁺19, WWB⁺19]. **Distribution** [CTW⁺15, PK19, SPK⁺10, ZW05]. **distributions** [SZG13]. **diversity** [KAR⁺14]. **Division** [ZYZ⁺19]. **DOA** [BY19]. **DOA/Symbols** [BY19]. **Dominating** [SCL⁺19]. **Doorway** [GKRW17]. **Doppler** [KAS⁺10]. **Downtime** [SXD⁺15]. **Downward** [IIPK20, KLC⁺16, KJP⁺15]. **Drift** [KRP15, RKRP17]. **Driven** [PK19, SZ19, JLZL19, LC14a, SPK⁺10, ZGHZ12]. **Driving** [BNPR20]. **Drones** [SAK⁺19]. **droplet** [LCC⁺13]. **DrunkWalk** [CRZ⁺20]. **DualMOP** [KJP⁺15]. **During** [CGB⁺19]. **Duty** [Amm16, BGMP15, GLS⁺14, LLL14, LCH⁺19b, PEFSV13, Pha16, XCC⁺15, ZZZ⁺20, JCC⁺13, SSC⁺10, SPK14, WWLX13, YH13]. **Duty-Cycle** [GLS⁺14, Pha16, PEFSV13, WWLX13]. **Duty-Cycled** [Amm16, BGMP15, LCH⁺19b, SSC⁺10, YH13]. **Duty-Cycling** [LLL14]. **DutyCon** [WWLX13]. **Dynamic** [AHK16, DD11, FM15, GM14, Lam15, MDM⁺20, NC10, RKW⁺06, SBS18, SGB15, WRYL11, WB17, YLSZ19, ZKS10, ZYZ⁺19, IR12, KBD14, WWLX13]. **Dynamically** [SML18].

earthquake [TXC⁺13]. **eavesdropping** [PX13]. **economic** [ELYR14]. **ECPC** [SXD⁺15]. **ECT** [WXL⁺19]. **Edge** [SHWW20]. **Edge-Computing-Supported** [SHWW20]. **Effect** [DRW⁺14, MDC17]. **Efficiency** [LFW⁺19, XCC⁺15, FLFW13, SYL09, VAC13, WIF⁺11]. **Efficient** [Amm16, CCMT09, DRW⁺14, DCBL15, DML⁺16, EA15, GNDC08, HBKP14, IIPK20, KLC⁺16, MCLM20, NGBB14, NZLH15, PBM11, PCPK14, SDBT19, WTX⁺16, WLS⁺16, WMT⁺19, XXHL16, YB17, ZSKH08, AH20, CNMH08, CLH⁺13, CGD12, DDHC⁺12, FLJ⁺13, GCRB12, GCBL06, GFJ⁺13, HKL⁺06, JCC⁺13, KPB⁺08, KGGK11, KW09, LPV⁺09, LDZ13, LFS09, MP10, NLH⁺19, Su07, TJWK13, TBL07, VG10, WEC11, WBS10, WLD10, ELR08, ZSJ06]. **EH** [AMAT⁺18]. **EH-WSNs** [AMAT⁺18]. **eigenvector** [CLS12]. **Electrical** [VTY18]. **Electromagnetic** [LTY18]. **Elements** [DDA11]. **elephants** [GSW09]. **Elliptical** [RBLP09]. **Embedded** [CBSA18, DCBL15, JZX⁺20, IV12, LJY⁺10, MKK⁺13, SSC⁺10]. **Emotion** [JLZL19, SMZ⁺17]. **Emotion-driven** [JLZL19]. **Empirical** [DGS16, GKRW17, SDTL10]. **Empowered** [KCE⁺20]. **Emstar** [GRE⁺07]. **Emulation** [HSSS17]. **Enabled** [DSH16, KOD⁺14]. **Enabling** [MNLZ18, PHKK17]. **Encode** [WKYH17]. **encrypted** [CCMT09]. **Encryption** [TCN⁺17]. **End** [YSK⁺15, WWLX13]. **end-to-end** [WWLX13]. **Energy** [AMAT⁺18, AH20, Amm16, BDO14, BASM16, CBSA18, CKHP19, CPL⁺20, DBOD⁺16, DML⁺16, EA15, ECPC14, FLJ⁺13, HSSS17, JZL⁺19, JCC⁺13, KOD⁺14, KLC⁺16, KPB⁺08, KW09, LPV⁺09, LLL14, LFW⁺19, MDM⁺20, NZLH15, PA05, SPK⁺10, SDBT19, TCN⁺17, TJWK13, TBL07, VAC13, WEC11, WLD10, WTX⁺16, WCV⁺18, XCC⁺15, XXHL16, YXFL17, YB17, ZLYW19, ZZZ⁺20, ZMVR14, ABM13, CNMH08, CLH⁺13, CGD12, FLFW13, GAJ⁺06, HKL⁺06, HLTC06, HR13, Kal10, LP08, LDZ13, LFS09, SYL09, SGM08, SS13, Su07, SC12, WBS10, WIF⁺11, XWZ⁺05, YPW⁺13, ZGHZ12, MGS⁺15]. **energy-aware** [GAJ⁺06, HR13]. **Energy-conserving** [PA05, HLTC06]. **Energy-Delay** [DBOD⁺16]. **Energy-Depleting** [CPL⁺20]. **Energy-driven** [SPK⁺10]. **Energy-Efficient** [Amm16, DML⁺16, EA15, KLC⁺16, NZLH15, SDBT19, WTX⁺16, XXHL16, YB17, AH20, FLJ⁺13, JCC⁺13, KPB⁺08, KW09, LPV⁺09, TJWK13, TBL07, WEC11, WLD10, CNMH08, CLH⁺13, CGD12, HKL⁺06, LDZ13, LFS09, WBS10]. **Energy-Fairness** [LLL14]. **Energy-Harvesting** [AMAT⁺18, JZL⁺19, MDM⁺20, MGS⁺15]. **Energy-Optimal** [BDO14]. **Energy-Saving** [YXFL17, SGM08]. **Enhanced** [SJH⁺18, ZYZ⁺19]. **Enhancing** [BHA⁺13, WHYC19]. **EnHANTs** [MGS⁺15]. **Enlargement** [PTDD16]. **ensuring** [HTW07]. **Entropy** [RKR17]. **Entropy-Based** [RKR17]. **EnviroMic** [LCH⁺09]. **Environment** [AKC⁺18, LFNS14, WTX⁺16, GRE⁺07]. **Environmental** [DD11, Kou18, ACG⁺13, IBS⁺10, ORRJ12]. **Environments** [GM14, GKRW17, HSSS17, MNLZ18, XCT⁺16, KMS⁺10, WX08]. **epidemic** [DLD09]. **equal** [MPC⁺10]. **equally** [NCV10]. **Erasure** [DML⁺16]. **Erasure-Resilient** [VRSR15]. **Error** [PPM15, VRSR15, AAA06]. **error-based** [AAA06]. **Error/Erasure** [VRSR15]. **Error/Erasure-Resilient** [VRSR15]. **Errors** [GZZ⁺14]. **establishment** [HM07b]. **Estimating** [Kou18]. **Estimation** [BY19, DSA⁺20, KYM17, KRP15, SMR⁺14, WWL15, BKM⁺12, CK09, FS13, KQ12,

LWSL12, SAZ10, SC12, VMS10, WLW12]. **Estimation-Based** [KRP15]. **Euclidean** [CLS12, KA13]. **evaluation** [HBC⁺09, KA13, LPR09, LCH⁺09, ODCP13, RBD13, SCWC13]. **Event** [ES12, IPMGL18, SDBT19, ZHCA17, KPK12]. **Event-Triggered** [SDBT19]. **events** [YYM⁺10]. **Every** [HCL15]. **Everywhere** [Kal10]. **Evolution** [KKRR15, PCR13]. **Execution** [MDM⁺20]. **Exercise** [MNLZ18]. **Exergames** [COP⁺16]. **experience** [EML⁺09]. **Experiences** [BASM16, CPP⁺17, LGTL19, OBB⁺13]. **experimental** [PG09]. **Experimentation** [MGS⁺15]. **Exploiting** [BNN⁺20, LCH⁺19b, SSL⁺19, VTY18, WXL⁺19]. **exponents** [VMS10]. **exposure** [Dji10]. **Extending** [CWY⁺15, HKG⁺19]. **Extraction** [PCPK14].

Face [HBLR05]. **Face-Aware** [HBLR05]. **Facts** [LGTL19]. **Fading** [GM14]. **Failure** [KBD14]. **Fair** [LDC⁺19]. **Fairness** [LLL14]. **false** [CDGC12, ZSJN07]. **FAR** [HBLR05]. **Fast** [BLGS19, MZW⁺19, PKC⁺18]. **Fault** [COS19, CHSA18, LMP14, NRC⁺09, NP12]. **Fault-Tolerant** [LMP14, COS19]. **faults** [SGG10]. **Faulty** [GZZ⁺14]. **Feasibility** [BAP⁺17]. **features** [LC14a]. **Fidelity** [CTW⁺15]. **Field** [ZYZ⁺19, Dji10, MRM09, WLZ13, WLW12, XRH⁺13, ZW05, ZSG09]. **Fields** [TJLK14]. **Filling** [WWL⁺16, WJD16]. **filtering** [CDGC12]. **Filters** [TCB⁺14]. **Fine** [MB16]. **Fine-Grained** [MB16]. **Fingerprinting** [BRR⁺18]. **Fingerprints** [KK15]. **finite** [ENPNF13]. **FIRST** [RFS⁺19]. **Flash** [LLX⁺14]. **Flash-Optimized** [LLX⁺14]. **flat** [CK13]. **Flexibility** [BSI⁺15]. **Flood** [IIPK20]. **Flooding** [BLGS19]. **Flow** [PK19, SZG⁺15, KPS12]. **Flow-Based** [SZG⁺15]. **Flux** [SML18]. **Flying** [CPP⁺17]. **Fog** [BIMD19]. **Following** [WPL⁺16]. **Food** [PK20]. **Footprints** [WCV⁺18]. **Force** [EFI⁺10]. **Force-directed** [EFI⁺10]. **Forecasting** [CTW⁺15]. **Forests** [DPB19]. **formation** [VAC13]. **Forward** [KKRR15]. **Forward-Secure** [KKRR15]. **Forwarding** [Amm16, Den09, LCH⁺19b, WBS14, HCXT09, LFS09, SGM08]. **Framework** [Amm16, DBOD⁺16, FM15, HBKP14, LZN19, NK14, NZLH15, RFS⁺19, SJH⁺18, SUZK19, CA06, CC11, CGD12, GBS08, HZGS05, KBD13, KT11, MS09, SPK14]. **Free** [Sch15, WHST16, ZLW⁺15, ZLGL19, HCXT09, SCL⁺19, TJZ⁺13]. **Frequency** [LWCJ14, ACG⁺13]. **Frequency-Based** [LWCJ14]. **ftTRACK** [LMP14]. **Full** [SCL⁺19, WC13]. **full-view** [WC13]. **Fusion** [HPS⁺18, HBKP14, MCW⁺16, TXC⁺13, ZDW⁺10, RKW⁺06, TXY⁺13]. **Fusion-based** [TXC⁺13]. **Future** [AMTH⁺17, RKW⁺06]. **Fuzzy** [YRB⁺17].

Gains [IPMGL18]. **Gait** [XJR⁺17, XJR⁺17]. **Gait-Based** [XJR⁺17]. **Gait-Key** [XJR⁺17]. **Game** [CPL⁺20, DSH16, DBOD⁺16, ABM13, VAC13, YLL13]. **Game-Theoretic** [CPL⁺20, VAC13]. **Gathering** [EA15, HCL15, Amm13, CGD12, GCBL06, GNDC08, Kal10, WLD10]. **Gauss** [KLC13]. **Gaussian** [ORRJ12]. **General** [LZN19, CLX09]. **Generation** [PKC⁺18, XJR⁺17, ELYR14]. **Generic** [LZZ⁺15, ZHL⁺15]. **Genus** [WJD16]. **Geographic** [LFL⁺19, WS14, ZSKH08]. **Geomagnetism** [WMT⁺19]. **geometric** [ABM06, NEKK12]. **geometry** [XRS10]. **Geospatial** [KRP15]. **Gesture** [YXG⁺19]. **GINSENG** [OBB⁺13]. **Go** [GCAK17, SYOY12]. **goals** [LHRM09]. **Gossip** [SZG11]. **GPIO** [JZX⁺20]. **GPS** [CT19, FSSR15, GPL⁺12, JCC⁺13]. **gradient** [HCXT09]. **gradient-based** [HCXT09]. **Grained** [MB16]. **Graph** [WYY⁺19, ELYR14, NEKK12, ZBA07]. **Graph-based** [WYY⁺19]. **graphs**

[FKMS06]. **Grayspaces** [BAP⁺17]. **greedy** [KT11]. **Green** [SBSD18]. **Greenifying** [ABC⁺18]. **GreenLocs** [NZLH15]. **Grid** [VTY18, RR09]. **grid-group** [RR09]. **Grids** [KKP18]. **Group** [LND08, CLS12, MPS10, RR09]. **Group-based** [LND08]. **grouping** [RKJ09]. **Guarantee** [SCL⁺19]. **Guaranteed** [WS14]. **guaranteeing** [CLX09]. **guarantees** [WWLX13].

H [CRZ⁺20]. **H-DrunkWalk** [CRZ⁺20]. **handover** [ELYR14]. **Harmonium** [PKC⁺18]. **Harvesting** [AMAT⁺18, BASM16, HSSS17, JZL⁺19, ZZZ⁺20, MDM⁺20, MGS⁺15]. **Hazards** [PDP⁺17]. **HDACS** [XAKV15]. **healing** [PMST12]. **Health** [BWCW14]. **Heartbeat** [KAH⁺10]. **Heat** [SZX17]. **Heterogeneity** [ZZZ⁺20, Amm13]. **Heterogeneous** [CRZ⁺20, LFW⁺19, SGB15, TYGW15, BCL⁺12, GRE⁺07, LP06, LPR09, LSW06, RKJ09]. **hidden** [LCC⁺13]. **Hierarchical** [SZG11, XAKV15, IV12, LDZ13]. **High** [CTW⁺15, KKP18, MNLZ18, PDP⁺17, PCPK14, RKR17, WJD16, YSK⁺15, ACG⁺13, GBS08]. **High-** [RKR17]. **High-End** [YSK⁺15]. **High-Fidelity** [CTW⁺15]. **high-frequency** [ACG⁺13]. **High-Level** [PDP⁺17]. **High-Mobility** [MNLZ18]. **High-Rate** [PCPK14]. **Histograms** [CG18]. **Hoc** [CS17, CS18, VDV16, CVY09, DRC06, KPK12, LYG⁺13, NJS05, PR10, SZ19, SS13]. **Holistic** [LCC⁺17]. **Home** [HPS⁺18, LSW14]. **homogeneous** [MPS10]. **Hop** [DGS16, GTL19, NEKK12, ZSJM07]. **hop-by-hop** [ZSJM07]. **hop-count-based** [NEKK12]. **Hopping** [TNBG18]. **Human** [Hau14, YXFL17, YSM08]. **human-centric** [YSM08]. **humans** [GJNC⁺14]. **hUmidity** [WWB⁺19]. **HVAC** [ABC⁺18]. **Hybrid** [AKSM15, ZLYW19, ES12, HBC⁺09, PFJ13]. **hypothesis** [AAA06].

IdealVolting [KBW16]. **Identification** [CRY⁺10, HPS⁺18, HSL⁺15, KGBS18, NZLH15]. **iDiary** [FSSR15]. **IEEE** [BAP⁺17, PEFSV13, PFJ13, RDR07, TDD⁺19]. **Image** [NLH⁺19]. **Image-based** [NLH⁺19]. **imagers** [KAH⁺10]. **Impact** [Amm13, NCV10, PKG08]. **implementation** [GAJ⁺06, LCH⁺09, TBL07]. **Implementing** [MWS08]. **Improved** [RS19, SS13, FKMS06]. **improvement** [ZJZ12]. **Improving** [KCPC13, LN05, MDC17]. **In-Air** [YXG⁺19]. **In-Bed** [AJH⁺20]. **In-Network** [BJR15, ELR08, KBD13]. **In-situ** [WLW12, WWL15]. **Incentive** [RDP16, YCL⁺19]. **Incidents** [MSB17]. **Incremental** [PPM15, PBM11]. **Indexing** [LLX⁺14, HZGS05]. **Indoor** [LZZ⁺15, NZLH15, NLH⁺19, PKC⁺18, TAT14, TGG⁺17, TGG⁺19, WMT⁺19, XCT⁺16]. **Indoor-Outdoor** [TGG⁺17]. **Indoor/Outdoor** [LZZ⁺15]. **inequality** [YJWL13]. **inertia** [YPW⁺13]. **Inertial** [MNLZ18]. **Inexpensive** [RHS20]. **Inference** [SUZK19]. **Inferring** [SZX17]. **Information** [CDGC12, HLN⁺11, RGB⁺17, RFS⁺19, BKS13, BGJ09, KVI⁺13, MS09, ORRJ12, SSGM10, Su07]. **information-seeking** [KVI⁺13]. **Information-theoretic** [CDGC12]. **informative** [KGGK11]. **Infrastructure** [COS19, MWS08]. **initialization** [LYG⁺13]. **initiated** [DDHC⁺12]. **injection** [ZSJM07]. **insertion** [XWDN12]. **Inspired** [HL17]. **instantiation** [ZCLJ14]. **Insulation** [SZX17]. **Integrated** [XWZ⁺05, HKL⁺06]. **Integrity** [IPMGL18, WRYL11, GBS08]. **Intelligent** [HL17]. **Intensity** [XCT⁺16]. **Intensity-Based** [XCT⁺16]. **Interaction** [PHKK17, SSC⁺10]. **Interactions** [SDX⁺20]. **Interactive** [COP⁺16, KLA⁺14]. **Interference** [MSAJ18, TNBG18, BNG12, XTZ08, ZCLJ14]. **Interference-Aware**

[TNBG18]. **Interleaved** [ZSJN07]. **Intermittent** [MDM⁺20]. **Internet** [MGS⁺19, ZLYW19]. **interpolation** [LS10]. **interrelational** [RKJ09]. **Intervals** [ZGX⁺16]. **Introduction** [NJZ18, Zha05]. **Inverted** [ABC⁺18]. **Involved** [ZWWZ20]. **IODetector** [LZZ⁺15]. **IONavi** [TGG⁺17]. **IoT** [HBW⁺18, KCE⁺20, LCH⁺19b, SHWW20, WXL⁺19, YYC⁺19]. **IoT-Empowered** [KCE⁺20]. **IR** [TAT14]. **irregular** [CK13]. **irregularity** [ZHKS06]. **Irrigation** [WWB⁺19]. **iSelf** [SMZ⁺17]. **Issue** [NJZ18].

Jamming [CPL⁺20, TDD⁺19, LPV⁺09, SDČ10]. **Joint** [Amm13, BY19, KPCB20, TCN⁺17]. **JVM** [RS19].

Kamada [CS17]. **Kawai** [CS17]. **kernel** [NJS05]. **kernel-based** [NJS05]. **Key** [KKRR15, MPS10, PCPK14, RR09, XJR⁺17, YLSZ19, HM07b, LYG⁺13, LN05, LND08, MWS08, TP07, WDLN09, XJR⁺17]. **knowledge** [LN05]. **Known** [LGTL19].

Labeling [SMZ⁺17]. **Lane** [BNPR20]. **LaPS** [DPB19]. **Large** [LGTL19, LXR⁺16, TJLK14, VRSR15, WS14, ZHZ⁺16, CJS11, CDR08, HBLR05, HM07b, KSMH13, KPB⁺08, LWG09, MB09, PCR13, PH10, TJZ⁺13, ZH05, ZSJ06]. **Large-Scale** [LXR⁺16, TJLK14, VRSR15, WS14, ZHZ⁺16, LGTL19, CDR08, HBLR05, HM07b, KSMH13, KPB⁺08, LWG09, MB09, PCR13, PH10, TJZ⁺13, ZSJ06]. **Latency** [BYD⁺15, SDBT19, XCC⁺15, LP08, WRS10]. **Layer** [KPRH14, DDHC⁺12, HWT⁺11, LPV⁺09, LFS09]. **Layers** [KPRH14]. **Leakage** [PK19]. **LEAP** [ZSJ06]. **Learning** [BT18, CPL⁺20, LC14b, SMZ⁺17, NJS05]. **Least** [SZCC08]. **Leds** [TAT14]. **length** [QM13]. **Level** [PDP⁺17, VDV16, CT19, CRY⁺10, CK13, TXY⁺13, KBD13]. **Levels** [SZX17]. **Leveraging** [BIMD19, Hau14, LS10, YS07]. **Lexicographic** [YM14]. **LiDAR** [DPB19]. **LiDAR-assisted** [DPB19]. **Lifelogging** [JLZL19]. **Lifetime** [RD16, SCL⁺14, DD09, IR12, JTS09, LHRM09, LKA10, WRS10, YLL13, ZH05]. **lifetime-maximized** [YLL13]. **Light** [XCT⁺16]. **Lighting** [KCE⁺20]. **Lightweight** [SC15, WS14]. **like** [AH20]. **likelihood** [WKA14]. **Linear** [JAC19]. **Link** [LC14b, MB16, PS17, BKM⁺12, DDHC⁺12, KCPC13, LPV⁺09, LC14a, SAZ10]. **link-layer** [LPV⁺09]. **Links** [PS17, WKYH17, ZK07, ZSKH08]. **LIPS** [XCT⁺16]. **LMS** [PPM15]. **Load** [KKP18, LKA10]. **local** [BGJ09]. **Localization** [AHK16, BGJ09, EY14, GYNY16, KVI⁺13, NLH⁺19, PKC⁺18, RHS20, WMT⁺19, ZLW⁺15, ZBA07, BLWY06, CKL⁺09, CVY09, CPH06, CLS12, EFI⁺10, JR08, JCC⁺13, KQ14, KMS⁺10, LP05, LWG09, LK09, LH09, NEKK12, NJS05, PG09, TJZ⁺13, WX08, XBWX13, XRS10, YJWL13, ZLGG10, ZGT11]. **Localized** [LSW06, MS12, PR10]. **Localizing** [CT19, SCG⁺15, ZYZ⁺19, ST12]. **Locating** [GPL⁺12]. **Location** [Sch15, TAT14, TYGW15, GSL10, SSGM10]. **Location-Free** [Sch15]. **Locations** [LSW14, KGGK11]. **logical** [CA06]. **Long** [Pha16, XDX⁺14, VHC⁺09, ZGHZ12]. **Long-Range** [Pha16]. **Long-Term** [XDX⁺14, VHC⁺09, ZGHZ12]. **longitudinal** [KPS12]. **LoRa** [LGTL19]. **Loss** [MB16, CK13]. **Lossless** [LL16]. **Lossy** [HSD16, KPCB20, LL16, ZMVR14, ZSKH08]. **Low** [BYD⁺15, BLGS19, CT19, DRW⁺14, DRC17, GLS⁺14, GJNC⁺14, HSD16, KPCB20, LFL⁺19, MB09, RKRP17, RHS20, SDBT19, TAT14, WS14, XCC⁺15, CHN⁺13, CRY⁺10, DDHC⁺12, IV12, LM10a, LM10b, MDC⁺09, ODCP13, PH10, SDTL10, ZK07]. **low-bandwidth** [CHN⁺13].

Low-complexity [GJNC⁺14, MB09]. **Low-Cost** [LFL⁺19, TAT14, ODCP13]. **Low-Duty-Cycle** [XCC⁺15]. **Low-Latency** [BYD⁺15]. **Low-level** [CT19, CRY⁺10]. **Low-Power** [BLGS19, DRW⁺14, DRC17, HSD16, KPCB20, RHS20, DDHC⁺12, IV12, ODCP13, PH10, SDTL10, ZK07]. **Low-Precision** [RKRP17]. **Low-Stretch-Guaranteed** [WS14]. **Lower** [KPRH14]. **LT** [JJ15].

MAC [DBOD⁺16, DDHC⁺12, GCRB12, HF17, LM10a, LM10b, LPV⁺09, LFS09, LHX16, NGBB14, QM13, RDR07, SC15, YH13]. **Machine** [HCL15]. **Machine-to-Machine** [HCL15]. **macroscopic** [KLC13]. **Maintaining** [LXR⁺16]. **Maintenance** [CHSA18, HBW⁺18, SB16, TBL07]. **Malicious** [ARWK19]. **Management** [ECPC14, KOD⁺14, LCH⁺19a, TAT14, ZLYW19, JLYG13, LYG⁺13, NDM⁺13, WECC07]. **Managing** [PCR13, SHY13]. **Map** [LSW14]. **Mapping** [LCC⁺13, EML⁺09]. **Markov** [KCPC13]. **Massive** [BY19]. **Matrices** [YB17]. **MAV** [CRZ⁺20]. **Max** [YM14, YSM08]. **Max-Min** [YM14]. **maximized** [YLL13]. **Maximizing** [ZGX⁺16, IR12]. **Maximum** [RKRP17, SCL⁺14, WKA14, NP12]. **MC** [XDX⁺14]. **MCRT** [WWFX11]. **MDF** [Den09]. **Measure** [LJLW19, IR12]. **Measurement** [BNN⁺20, DXL⁺15, GCAK17, LGTL19, WWL15]. **Measurements** [SUZK19, YJWL13]. **Measuring** [CLX09]. **Mechanism** [YCL⁺19]. **Mechanisms** [BIST18, RDP16, SZX17, ZSJ06]. **medical** [NDM⁺13]. **medium** [Gel07]. **meeting** [LHRM09]. **Memento** [JLZL19]. **Mesh** [YYC⁺19]. **Method** [GYNY16, AAA06, XRS10]. **Methods** [ZZZ⁺20, CDR08, KKP⁺07, SGG10]. **metric** [DRC06]. **Metrics** [RFB⁺14, SS13].

mice [GSW09]. **micro** [JC12]. **micro-solar** [JC12]. **Middleware** [ZYZ⁺19]. **Milestones** [YYC⁺19]. **Millimeter** [BY19, YPZ⁺17]. **MIMO** [BY19, NK14]. **Min** [YM14]. **mine** [LL09]. **Minimal** [COS19]. **Minimalistic** [CPP⁺17]. **Minimum** [WWXY13, XLZ⁺07, XCC⁺15, Dji10, FKMS06, Kal10]. **mining** [KLA⁺14]. **Miscontrol** [PTDD16]. **mission** [EMBP12, RJL⁺10]. **mission-oriented** [EMBP12]. **Mitigating** [NLD08]. **Mitigation** [MSAJ18]. **Mixed** [Lam15]. **Mixing** [KKRR15]. **mobicast** [HBLR05].

Mobile [AHK16, CGB⁺19, CS17, DRC17, DDA11, KCE⁺20, Kou18, LXR⁺16, RD16, RGB⁺17, RFS⁺19, SML18, SZG⁺15, TGG⁺17, VDV16, WPL⁺16, WYY⁺19, WHST16, ZHL⁺15, Bra07, CSA06, EML⁺09, FLFW13, KKP⁺07, KNSM14, KAS⁺10, LCC⁺13, RMB⁺10, SZCC08, WRS10, WLZ13]. **Mobility** [Hau14, MNLZ18, NGBB14, ZWWZ20, Amm13]. **Model** [MZW⁺19, RBS16, YXG⁺19, ZWWZ20, DIE14, Gel07, KT11, KLC13, KA13, MS09, TP07, ZCLJ14]. **model-derived** [KLC13]. **Modeling** [DRW⁺14, ECPC14, JP06, KGBS18, PFJ13, PS17, WRS10, CDGC12, CK13, DLD09, KA13, NP12, SYOY12, WWB⁺19]. **Models** [DD11, ZHKS06, Bra07, KCPC13, NEKK12, SG08, JTS09]. **Modern** [IHGS15]. **Modes** [KJP⁺15, RMB⁺10]. **Moisture** [WWL15, WLW12]. **Monitoring** [AMTH⁺17, BWCW14, COS19, DD11, DML⁺16, PK19, SZG⁺15, TPM⁺17, WTX⁺16, XDX⁺14, YPZ⁺17, ZHCA17, ACG⁺13, DEM⁺12, GSW09, HBC⁺09, IBS⁺10, LL09, OBB⁺13, YYM⁺10]. **Mortar** [FPA⁺20]. **Mote** [CWY⁺15]. **motifs** [dLM14]. **Motion** [AJH⁺20]. **Motions** [YXFL17]. **movement** [WIF⁺11]. **moving** [WC09, WC12]. **Mules** [SG11, KVI⁺13, SG10]. **Multi** [GTL19, SZ19, MCT14]. **multi-camera** [MCT14]. **Multi-Hop** [GTL19].

Multi-Sensor [SZ19]. **Multicamera** [dLM14, GJNC⁺14]. **Multicast** [LFW⁺19]. **Multichannel** [WWFX11, WLS⁺16, GCRB12]. **Multichannels** [MDC17]. **Multicluster** [LCH⁺19a]. **multicriteria** [SS13]. **multidimensional** [CPH06]. **multigroup** [HM07b]. **multihop** [ADF12, Gel07, KW09, PDMJ10, VMS10, Den09]. **Multihop/Direct** [Den09]. **Multilevel** [LZAH⁺15, KCPC13]. **multimedia** [DIE14]. **Multimode** [XDX⁺14]. **multiobjective** [WC12]. **Multipath** [HSD16, SHY13, YH13]. **Multiple** [BWCW14, BQB⁺11, KJP⁺15, LXR⁺16, MCW⁺16, SHWW20, SKM⁺11, EGG13, PFJ13]. **Multiple-Target** [SKM⁺11]. **multiquery** [ZKS10]. **Multiresolution** [SZG11]. **multiroot** [ZKS10]. **Multisensor** [KCE⁺20]. **Multiswimmer** [COP⁺16]. **Multitask** [HBKP14]. **Muscle** [MNLZ18]. **MyoVibe** [MNLZ18].

Nanosensor [ZHCA17]. **Natural** [LTY18]. **Navigation** [CRZ⁺20, LR05, TGG⁺17, TGG⁺19, KAS⁺10]. **Near** [JKK08, LKA10, SB16]. **Near-lifetime-optimal** [LKA10]. **Near-Optimal** [SB16, JKK08]. **Necessary** [WKYH17]. **Neighbor** [ZHL⁺15]. **Neighborhood** [JM16]. **Neighbour** [HSD16]. **Neighbour-Disjoint** [HSD16]. **nest** [KAH⁺10]. **Net** [KKP18]. **Net-Load** [KKP18]. **Network** [BJR15, BASM16, BQB⁺11, CS17, DRC17, EA15, KOD⁺14, KAAF13, KK15, KJP⁺15, LCH⁺19a, LZAH⁺15, LFL⁺19, MPRS16, PHKK17, Sch15, TPM⁺17, VDV16, WKYH17, WB17, WHST16, BLWY06, BNG12, CK09, CSA06, CRY⁺10, CLS12, DEM⁺12, ELR08, EGG13, ES12, GAJ⁺06, HKL⁺06, HBC⁺09, HTW07, HR13, IBS⁺10, KBD13, KT11, KVI⁺13, KASD09, KNSM14, LP08, LPV⁺09, LCH⁺09, MCT14, NJS05, NRC⁺09, NP12, ORRJ12, TLRE13, TBL07, WZL08, ZLGG10, ZSG09, ZGT11, ZGHZ12]. **Network-Level** [VDV16]. **Networked** [DCBL15, GM14, MGS⁺15, MKK⁺13, ZCLJ14]. **Networking** [CBSA18, CKHP19, ZMVR14]. **Networks** [AMTH⁺17, AMAT⁺18, AKSM15, Amm16, AH14, AHK16, BYD⁺15, BGMP15, BAP⁺17, BNPR20, BIMD19, BLGS19, BSI⁺15, BR15, CBSA18, CS18, DPB19, DRW⁺14, DDA11, DSH16, DGS16, DBOD⁺16, DML⁺16, EA15, EY14, GLS⁺14, GCAK17, GTL19, GZZ⁺14, HF17, HMLJ17, HBKP14, Hau14, HSD16, HCL15, IPMGL18, JJ15, JM16, KYM17, KPRH14, KLC⁺16, KPCB20, KKRR15, KRP15, Lam15, LMP14, LCH⁺19a, LLL14, LL16, LCC⁺17, LXR⁺16, LZAH⁺15, LMZ⁺16, LWCJ14, LHX16, LCH⁺19b, LZN19, LFW⁺19, MB16, MSB17, MSAJ18, NGBB14, NK15, NK14, PK19, PPM15, PDP⁺17, PTDD16, PS17, PSB⁺14, PCPK14, RFB⁺14, RBS16, RHD17, RHS20, RD16, SSL⁺19, SZG11, SCL⁺14, SB16, SCL⁺19, SXD⁺15, SGB15, SG11, SZG⁺15, TJLK14, TCN⁺17, TNBG18, TYGW15, TDD⁺19, VRSR15, VDV16, WWFX11, WPL⁺16, WB17, WYY⁺19, WXL⁺19, WS14, WBS14, WLS⁺16, XDX⁺14, XCC⁺15]. **Networks** [XXHL16, YM14, YTB⁺14, YB17, ZHCA17, ZLW⁺15, ZHZ⁺16, ZLGL19, Amm13, ADF12, BKM⁺12, BCL⁺12, BKS13, BHA⁺13, Bra07, BGJ09, CJS11, CA06, CDGC12, CGVC06, CYS⁺10, CCMT09, CC11, CLSW12, CNMH08, CLH⁺13, CHN⁺13, CRW07, CVY09, CDR08, CGD12, CK13, CPH06, CCJ08, DLD09, Den09, DRC06, DD09, DABNR10, DIE14, ELR08, ENPNF13, ELYR14, EMBP12, FLJ⁺13, FT06, FLFW13, GCRB12, GSW09, GBS08, GSL10, GRE⁺07, GFJ⁺13, GNDC08, HZGS05, HM07a, HWT⁺11, HTC⁺10, HY07, HBLR05, HLTC06, HM07b, HCXT09, IW14, IR12, IV12, JKK08, JC12, JHU⁺13, JLYG13, JP06, JKS⁺10, JROH09, Kal10,

KBD14, KXTZ09, KKP⁺⁰⁷, KC14, KQ12, KQ14, KKK08, KPK12, KLJ12, KAAF13, KLA⁺¹⁴, KRJ09, KSMH13, KPB⁺⁰⁸, KW09, KAR⁺¹⁴, KMS⁺¹⁰, KA13, LDH06, LP05, LP06, LPR09, LWG09, LKA10, LR05, LSW06, LL09, LDZ13, LYG⁺¹³, LWL12]. **networks** [LS10, LH09, LCC10, LN05, LWH⁺⁰⁶, LND08, LFS09, MZWT10, MB09, MWS08, MS09, MPS10, MDC⁺⁰⁹, MP10, MS12, MPC⁺¹⁰, MAG13, NGA08, NEKK12, NLD08, NC10, ODCP13, PDMJ10, PG10, PGG⁺¹⁰, PBM11, PEFSV13, PG09, PC10, PKG08, PR10, PMST12, PCR13, PA05, PH10, QM13, RBLP09, RKW⁺⁰⁶, RBD13, RJL⁺¹⁰, RR09, SYL09, SAZ10, SZG13, SSGM10, SGM08, SPK⁺¹⁰, SCWC13, SH09, SPK14, ST12, SS13, SST08, SYOY12, SZZC08, SDĀ10, Su07, SG08, SG10, SC12, SEZA13, TP07, TJZ⁺¹³, TXC⁺¹³, TXY⁺¹³, TJWK13, TMAP14, TYD⁺⁰⁷, VMS10, VG10, VAC13, WECC07, WEC11, WL14, WZL07, WZL08, WDLN09, WBS10, WLD10, WRS10, WC13, WWLX13, WWXY13, XBWX13, XWZ⁺⁰⁵, XLZ⁺⁰⁷, XWDN12, XTZ08, XRH⁺¹³, YSZC13, YS07, YVS07, ZSKH08, ZH05, ZKS10, ZJX10, ZJZ12, ZVPS10, ZHKS06, ZDG09, ZSJ06, ZSJN07, ZDW⁺¹⁰]. **Neural** [BNPR20]. **Node** [ARWK19, CWY⁺¹⁵, CPP⁺¹⁷, CS18, MB16, YSK⁺¹⁵, CVY09, CPH06, DLD09, JTS09, LK09, PX13]. **Nodes** [GZZ⁺¹⁴, KBW16, HR13, MPS10, SSC⁺¹⁰]. **noisy** [YJWL13]. **Non** [BT18, CS18, DSH16, KNSM14]. **Non-Bayesian** [BT18]. **Non-Convex** [CS18]. **Non-Cooperative** [DSH16]. **non-overlapping** [KNSM14]. **nonhomogeneous** [MRM09]. **Nonlinear** [MZW⁺¹⁹, LK09]. **Nonlinearities** [PPM15, LWL12]. **nonuniform** [KC14]. **Novel** [YLSZ19, CGD12].

Object [EGG13, HPS⁺¹⁸, LJLW19, ABM06, KASD09]. **Objectives** [BWCW14].

Objects [BQB⁺¹¹]. **Oblivious** [KCE⁺²⁰]. **Observation** [BT18]. **observations** [WKA14]. **observer** [CSA06]. **Obstacle** [ZVPS10]. **Obstacles** [TCB⁺¹⁴]. **occlusions** [EGG13]. **Occupancy** [AAHS18, ECPC14]. **Occupant** [HPS⁺¹⁸]. **occurring** [LWL12]. **off** [FLFW13, WRS10]. **Offloading** [SHWW20]. **Older** [ABC⁺¹⁸]. **on-demand** [KPB⁺⁰⁸]. **On-Object** [HPS⁺¹⁸]. **One** [ABC⁺¹⁸, GTL19, SAZ10]. **One-Hop** [GTL19]. **one-way** [SAZ10]. **Online** [CGB⁺¹⁹, IW14, LC14b, MCT14]. **OPCIO** [JZX⁺²⁰]. **Open** [FPA⁺²⁰]. **Operation** [HKG⁺¹⁹, RFB⁺¹⁴, ZGHZ12]. **Opportunistic** [GLS⁺¹⁴, LCH^{+19b}, LFL⁺¹⁹, MSAJ18, WYY⁺¹⁹, WBS14]. **Optimal** [BGMP15, BDO14, DSH16, HBKP14, JZL⁺¹⁹, JR08, KC14, KYM17, KKP18, LWH⁺⁰⁶, MGS⁺¹⁹, SB16, SH09, SZG⁺¹⁵, WC09, WC12, WLW12, YM14, JKK08, Kal10, KPK12, LKA10, SC12, ZW05]. **Optimally** [LP08]. **Optimization** [CGB⁺¹⁹, DBOD⁺¹⁶, KPRH14, PDP⁺¹⁷, ABM13, CSA06, PEFSV13]. **Optimized** [Lam15, LLX⁺¹⁴, MB09]. **Optimizing** [DCBL15, HWT⁺¹¹, JZX⁺²⁰, RD16, RFS⁺¹⁹, TLRE13, WIF⁺¹¹, XCC⁺¹⁵]. **organized** [KSMH13]. **organizing** [CNMH08]. **Oriented** [YCL⁺¹⁹, EMBP12, NDM⁺¹³]. **Our** [LJLW19]. **Out-of-Band** [GTL19]. **outages** [GPL⁺¹²]. **Outdoor** [LZZ⁺¹⁵, TGG⁺¹⁷, KMS⁺¹⁰]. **outlier** [YJWL13]. **outliers** [XBWX13]. **overcomplete** [JLYG13]. **overhearing** [JROH09]. **overlapping** [KNSM14, WWXY13]. **Overload** [WECC07]. **Own** [LSW14].

Packet [KLC⁺¹⁶, MB16, WXL⁺¹⁹, Gel07, LFS09, PX13, XWDN12, KBD13]. **Packet-Level** [KBD13]. **Packet-Loss**

[MB16]. **pairwise** [HM07b]. **Parameter** [DBOD⁺16]. **Parameters** [Kou18, HWT⁺11]. **Partial** [WZL08, CJS11]. **Participant** [CGB⁺19, YCL⁺19]. **Participatory** [RDP16]. **Partitioning** [TJLK14, HM07b]. **Passive** [CWY⁺15]. **Path** [DSA⁺20, MRM09, SCL⁺14, SG11, CSA06, CK13]. **path-constrained** [CSA06]. **Paths** [TCB⁺14, Dji10]. **Patterns** [KGBS18, BNG12]. **PC** [KPCB20]. **PC-RPL** [KPCB20]. **PDA** [HLN⁺11]. **Penetration** [KKP18]. **Performance** [BAP⁺17, KA13, LZAH⁺15, MDC17, PDP⁺17, ZMVR14, CKL⁺09, ODCP13, WZL08]. **period** [RDR07]. **Periodic** [HMLJ17, YYM⁺10]. **periodical** [CLSW12]. **Perishable** [PK20]. **Perpetually** [LXR⁺16]. **Persistence** [SXD⁺15]. **Person** [KGBS18]. **Perspective** [LZAH⁺15]. **perturbation** [ZGT11]. **Phases** [MZW⁺19]. **Phenomena** [AHK16, TTBH14]. **phenomenon** [HR13]. **Phones** [YXFL17, RMB⁺10]. **Photographing** [YXFL17]. **Physical** [SJH⁺18, SDX⁺20, HWT⁺11, YSM08]. **physical-layer** [HWT⁺11]. **Physiological** [VG10]. **PIP** [GCRB12]. **Pipelines** [PK19, LCC⁺13]. **PLA** [KBD13]. **Place** [NZLH15]. **Placement** [BWCW14, DPB19, DXL⁺15, GCBL06, JR08, PA05, SH09, WC09, WC12, WLW12]. **placements** [KGGK11]. **Placing** [LFNS14]. **Planes** [GTL19]. **Planning** [SG11, WIF⁺11]. **Platform** [CPP⁺17, SML18, CHN⁺13]. **Platforms** [LLX⁺14]. **Point** [TGG⁺19, CRY⁺10]. **Policies** [BIST18, JKK08]. **policy** [MS12]. **policy-based** [MS12]. **Portable** [FPA⁺20]. **position** [CK09]. **Positioning** [PTDD16, XCT⁺16]. **Positive** [CKHP19]. **Possible** [TCB⁺14, ZLGG10]. **Post** [SZ19]. **Post-hoc** [SZ19]. **posteriori** [NP12]. **potential** [XRH⁺13]. **Power** [BLGS19, CKHP19, DRW⁺14, DRC17, GCBL06, HSD16, JZX⁺20, KLC⁺16, KPCB20, KR18, LDC⁺19, LMZ⁺16, MGS⁺19, SSL⁺19, TPM⁺17, YSK⁺15, CSA06, DDHC⁺12, IV12, JC12, KT11, LCC10, MDC⁺09, ODCP13, PH10, RHS20, SSC⁺10, SDTL10, WWXY13, XLZ⁺07, ZK07]. **power-aware** [LCC10]. **Power-Based** [KLC⁺16, YSK⁺15]. **Power-efficient** [GCBL06]. **Power-Positive** [CKHP19]. **Powered** [YM14, ZHCA17]. **Powerline** [LTY18]. **Practical** [CLSW12, SMR⁺14, JC12]. **Practice** [ZWWZ20, KXTZ09]. **Pre** [WBS14]. **Pre-Forwarding** [WBS14]. **Precision** [RKR17]. **Prediction** [AAHS18, BJR15, ECPC14, JAC19, LC14b, AAA06, ELR08, ES12, LC14a, SYOY12]. **predictive** [SPK14]. **predistribution** [HM07b, LN05, LND08, MPS10, RR09, TP07]. **Presence** [GM14, YRB⁺17, EGG13]. **Preserving** [HLN⁺11, MJS⁺19, SJH⁺18, SXD⁺15, CC11, HLTC06]. **prevalence** [SGG10]. **Prevention** [MSB17]. **Primitive** [SC15]. **Principal** [AH14]. **prioritized** [DIE14]. **Privacy** [HLN⁺11, MJS⁺19, SJH⁺18, CYS⁺10, CC11, KXTZ09, PX13]. **Privacy-Preserving** [HLN⁺11, MJS⁺19, SJH⁺18, CC11]. **privilege** [SZZC08]. **probability** [SGM08]. **probability-based** [SGM08]. **Probing** [NK15]. **Problem** [GYNY16, WZL07]. **problems** [CRW07]. **processes** [ORRJ12]. **processing** [ORRJ12, SPK⁺10, ZKS10]. **Processor** [FC18]. **Profit** [CGB⁺19]. **Programming** [SG08, BLWY06, IR12]. **Progressively** [DVS⁺14]. **projection** [LK09]. **propagation** [WL14]. **properties** [MZWT10]. **Property** [JLYG13, GPL⁺12]. **proportional** [YYM⁺10]. **proportional-share** [YYM⁺10]. **Protect** [CKHP19]. **protection** [WZL07]. **Protocol** [HF17, KPRH14, LHX16, WS14, XJR⁺17, YLSZ19, GFJ⁺13, HCXT09, LFS09, PDMJ10, PG10, PFJ13, ZCLJ14].

Protocols

[MDC17, NGBB14, HLTC06, HTW07, LM10a, LM10b, LPV⁺09, LR05, YH13]. **Prototyping** [MGS⁺15, LJY⁺10]. **provably** [CCMT09]. **Provenance** [WB17]. **providing** [LHRM09]. **Provisioning** [SGB15]. **Proximity** [SKM⁺11, SMMS09]. **public** [MWS08, WDLN09]. **public-key** [MWS08]. **Publishing** [SJH⁺18]. **Pulse** [PKC⁺18]. **purposeful** [Amm13]. **PV** [KKP18].

QA [MCLM20]. **QA-Share** [MCLM20]. **QoS** [MCLM20, Pha16, RHD17, RD16]. **QoS-Aware** [MCLM20]. **Quality** [AMTH⁺17, DXL⁺15, LC14b, RGB⁺17, RFS⁺19, SGB15, YYM⁺10, YCL⁺19, BKM⁺12, BKS13, CLX09, LHRM09, LC14a, MCT14]. **Quality-of-Service** [SGB15]. **Quality-Oriented** [YCL⁺19]. **Quantization** [SC12]. **quasi** [NCV10]. **quasi-equally** [NCV10]. **Query** [CYS⁺10, FC18].

Radiation [LTY18, LDC⁺19]. **radii** [ZDG09]. **Radio** [BKM⁺12, KAR⁺14, MGS⁺19, WHYC19, GPL⁺12, JCC⁺13, ODCP13, XTZ08, ZHKS06]. **Radio-based** [WHYC19]. **radioactive** [CRY⁺10]. **Radios** [PHKK17]. **Radius** [BGMP15, BCL⁺12]. **radon** [JLYG13]. **Random** [JZL⁺19, KKRR15, YB17, CGD12, CUdVY13, Gel07, HY07, NEKK12, NZR10, ZW05]. **randomly** [LWSL12]. **Range** [CWY⁺15, Pha16, WHST16, ZLW⁺15, PR10]. **Range-Extending** [CWY⁺15]. **Range-Free** [WHST16, ZLW⁺15]. **Ranges** [FLS⁺14]. **ranging** [JCC⁺13, MKK⁺13]. **Rapid** [LJY⁺10]. **RaPTEX** [LJY⁺10]. **Rate** [JZL⁺19, PCPK14, YM14, LM10a, LM10b, LWH⁺06, PG10]. **Rate-controlled** [PG10]. **RCRT** [PG10]. **REACH** [CWY⁺15]. **reactive** [SDČ10]. **Real** [DRC17, GKRW17, KPCB20, ORRJ12,

WWFX11, WHYC19, XRH⁺13, ZJX10, LWH⁺06, SGG10, SHY13, WWXY13]. **Real-Time** [DRC17, WWFX11, ORRJ12, XRH⁺13, ZJX10, LWH⁺06, WWXY13]. **Real-World** [GKRW17, SGG10]. **Realistic** [HSSS17, SAK⁺19]. **Receiver** [HF17, DDHC⁺12]. **receiver-initiated** [DDHC⁺12]. **Receiver-Synchronized** [HF17]. **Rechargeable** [LXR⁺16, SCG⁺15, JKK08]. **Recognition** [WHYC19, YXG⁺19, SSGM10, YYSLO8]. **Reconfigurable** [SML18, TLRE13]. **Reconfiguration** [HKG⁺19, KKP⁺07, SGB15]. **reconstruction** [NCV10]. **Recovery** [PKC⁺18, PX13]. **redistribution** [TJWK13]. **Reducing** [WXL⁺19]. **Redundancy** [CGVC06, LS10]. **reference** [ABM06]. **refined** [DVS⁺14]. **Reflection** [EY14]. **Regions** [SMR⁺14]. **Regulations** [Pha16]. **Regulator** [HSL⁺15]. **rekeying** [CLSW12]. **Related** [RFB⁺14]. **Relay** [DGS16, GCAK17, NK15]. **Relay-Assisted** [DGS16]. **Reliability** [KYM17, KBD13]. **Reliable** [DRC17, KLC⁺16, KBW16, MP10, PH10, GFJ⁺13, KAAF13, KAR⁺14, PG10, IIPK20]. **Relocatable** [DCBL15]. **Relocation** [WHST16]. **Remote** [YSK⁺15]. **Repeatable** [HSSS17]. **replication** [CUdVY13]. **report** [FLFW13]. **Representations** [SZG11]. **reproduction** [HR13]. **reprogramming** [KPB⁺08, KW09, MP10, TLRE13]. **Reputation** [GBS08]. **Reputation-based** [GBS08]. **Research** [AMTH⁺17, RDP16, RGB⁺17]. **Reservoirs** [DXL⁺15]. **Residential** [TPM⁺17]. **Resilience** [IPMGL18]. **Resilient** [KMS⁺10, SC15, VRSR15]. **Resource** [HBKP14, HCL15, NLH⁺19, RS19, NDM⁺13]. **Resource-constrained** [RS19]. **Resource-efficient** [NLH⁺19]. **Response** [MSB17]. **Results** [ENPNF13, PG09].

Reuse [BT18]. **Review** [AMAT⁺18, KOD⁺14]. **REWIMO** [DRC17]. **RF** [KAS⁺10, SMR⁺14, SCL⁺19]. **RF-based** [SCL⁺19]. **RFsense** [SMR⁺14]. **rigid** [ZLGG10]. **Road** [DSA⁺20, SMR⁺14, SMR⁺14]. **Road-RFSense** [SMR⁺14]. **Robin** [SC15]. **Robots** [LFNS14, TAT14, WTX⁺16]. **Robust** [KGGK11, LFL⁺19, MGS⁺19, PPM15, PKC⁺18, PG09, XBWX13, DABNR10, GFJ⁺13, NGSAA08, LP05]. **robustness** [CKL⁺09]. **Room** [ABC⁺18, AAHS18]. **rooms** [YPW⁺13]. **Round** [SC15]. **Route** [IIPK20]. **Routing** [ARWK19, GLS⁺14, KPCB20, KJP⁺15, LFL⁺19, WS14, BGJ09, CA06, IV12, KT11, KLC13, KSMH13, LP08, PKG08, SZG13, TYD⁺07, XRH⁺13, YH13, ZSKH08, HBLR05]. **Routing-Aware** [ARWK19]. **RPL** [IIPK20, KPCB20, KJP⁺15]. **RSA** [CLS12]. **RSSI** [BHA⁺13]. **RSSI-based** [BHA⁺13]. **RT** [LCH⁺19a]. **RT-WiFi** [LCH⁺19a]. **Rulers** [LJLW19]. **rules** [ZDW⁺10].

Safety [BSI⁺15]. **sales** [HBW⁺18].

Sampling [BNG12, WWL15, ZGX⁺16, ACG⁺13, GSW09, KRJ09, LS10, LWH⁺06, WLD10]. **sampling-interpolation** [LS10]. **SARA** [BCL⁺12]. **Saturation** [PPM15]. **Saving** [YXFL17, SGM08]. **Scalable** [AAHS18, CA06, WWL⁺16, WCV⁺18, GCRB12, GJNC⁺14]. **Scale** [BTR⁺18, LXR⁺16, TJLK14, VRSR15, WS14, ZHZ⁺16, CDR08, HBLR05, HM07b, KSMH13, KPB⁺08, LWG09, LGTL19, MB09, PCR13, PH10, TJZ⁺13, ZSJ06]. **Scaling** [LFW⁺19, CPH06]. **Schedules** [PSB⁺14]. **Scheduling** [AH20, BYD⁺15, KYM17, MZW⁺19, TYGW15, WWL15, ZGX⁺16, ZLGL19, CNMH08, FS13, LDZ13, SG10, TYD⁺07, YYM⁺10]. **Scheme** [YXFL17, CLSW12, KLJ12, KT11, RR09, WDLN09]. **Schemes** [AH14, ZMVR14, CDGC12, LCC10]. **SDP** [GYNY16]. **search** [YSM08]. **Searchable** [FSSR15]. **Secret** [PCPK14, XJR⁺17]. **Secure** [DABNR10, HM07b, KKRR15, LYG⁺13, PTDD16, VTY18, WRYL11, CCMT09]. **Securing** [SDX⁺20]. **Security** [MS09, MSB17, PDP⁺17, CC11, CKL⁺09, VG10, ZSJ06]. **seed** [TP07]. **seeking** [KVI⁺13]. **segmentation** [YYSL08]. **Segmenting** [ABM06, ZSG09]. **Seidel** [KLC13]. **Selection** [CGB⁺19, MGS⁺19, NK15, MCT14, NP12, TMAP14]. **Selective** [TDD⁺19, NZR10]. **Self** [BR15, HL17, PMST12, ST12, ZHCA17, CNMH08, KSMH13, WZL07]. **Self-Adaptation** [HL17]. **Self-healing** [PMST12]. **Self-localizing** [ST12]. **self-organized** [KSMH13]. **self-organizing** [CNMH08]. **Self-Powered** [ZHCA17]. **self-protection** [WZL07]. **Self-Sufficient** [BR15]. **Semidefinite** [BLWY06]. **SEMON** [ZHCA17]. **SenseCode** [KAAF13]. **Sensing** [BIMD19, HSL⁺15, LZN19, LJLW19, MJS⁺19, PK20, RDP16, SMR⁺14, SML18, SUZK19, SDBT19, WWL15, XAKV15, YSK⁺15, YCL⁺19, EML⁺09, KPS12, NDM⁺13, PDMJ10, SPK14, WKA14, WLW12, ZCLJ14]. **Sensing-Based** [SMR⁺14]. **sensitive** [KASD09]. **Sensor** [AMTH⁺17, AMAT⁺18, AKSM15, Amm16, AH14, AHK16, AAHS18, BYD⁺15, BGMP15, BCL⁺12, BAP⁺17, BIMD19, BASM16, BWCW14, BSI⁺15, BR15, BQB⁺11, COS19, CWY⁺15, CTW⁺15, CPP⁺17, CLS12, DPB19, DDA11, DBOD⁺16, DML⁺16, DXL⁺15, EA15, EY14, GLS⁺14, GTL19, GZZ⁺14, HF17, HPS⁺18, HMLJ17, HBKP14, IPMGL18, JJ15, JM16, JTS09, KPRH14, KOD⁺14, KKRR15, KK15, KBW16, KRP15, Lam15, LMP14, LLX⁺14, LLL14, LL16, LCC⁺17, LXR⁺16, LZAH⁺15, LMZ⁺16, LHX16, LZN19, LFW⁺19, MB16,

MSB17, MPRS16, MNLZ18, MCW⁺¹⁶,
 NGBB14, NK15, NK14, NRC⁺⁰⁹, NP12,
 PK19, PPM15, PHKK17, PDP⁺¹⁷, PTDD16,
 PX13, PSB⁺¹⁴, PCPK14, RFB⁺¹⁴, RBS16,
 RHS20, RD16, RJL⁺¹⁰, SSL⁺¹⁹, SZG11,
 SZ19, SCL⁺¹⁴, SGG10, SB16, SCL⁺¹⁹,
 SXD⁺¹⁵, SGB15, SG11, SZG⁺¹⁵, TJLK14,
 TPM⁺¹⁷, TNBG18, TYGW15, TCB⁺¹⁴,
 VRSR15, WX08, WRYL11, WWFX11].

Sensor

[WPL⁺¹⁶, WB17, WS14, WBS14, WLS⁺¹⁶,
 WHST16, XDX⁺¹⁴, XCC⁺¹⁵, XXHL16,
 YM14, YB17, ZLW⁺¹⁵, ZGT11, ZLGL19,
 ZMVR14, Amm13, AAA06, ADF12,
 BKM⁺¹², BKS13, BLWY06, BHA⁺¹³,
 BNG12, BGJ09, CJS11, CA06, CDGC12,
 CGVC06, CYS⁺¹⁰, CCMT09, CK09, CSA06,
 CC11, CLSW12, CNMH08, CLH⁺¹³,
 CHN⁺¹³, CRW07, CRY⁺¹⁰, CDR08, CGD12,
 CK13, CPH06, CCJ08, DLD09, Den09, DD09,
 Dji10, DABNR10, DIE14, DEM⁺¹², ELR08,
 EFI⁺¹⁰, EGG13, ENPNF13, EMBP12,
 FLJ⁺¹³, FS13, FLFW13, GCRB12, GSW09,
 GBS08, GCBL06, GSL10, GRE⁺⁰⁷, GFJ⁺¹³,
 GAJ⁺⁰⁶, GNDC08, HZGS05, HKL⁺⁰⁶,
 HM07a, HWT⁺¹¹, HBC⁺⁰⁹, HTC⁺¹⁰,
 HY07, HBLR05, HLTC06, HTW07, HM07b,
 HCXT09, HR13, IR12, IBS⁺¹⁰, JKK08,
 JC12, JHU⁺¹³, JLYG13, JP06, JSBN⁺¹²,
 JR08, JKS⁺¹⁰, JROH09, Kal10, KBD13,
 KBD14, KXTZ09, KKP⁺⁰⁷, KC14, KQ12,
 KQ14, KKK08, KPK12, KLJ12, KT11].

sensor

[KAAF13, KLA⁺¹⁴, KRJ09, KVI⁺¹³,
 KSMH13, KPB⁺⁰⁸, KGGK11, KASD09,
 KW09, KAS⁺¹⁰, KAR⁺¹⁴, KMS⁺¹⁰, KA13,
 LP08, LCC⁺¹³, LDH06, LPV⁺⁰⁹, LP05,
 LP06, LPR09, LWG09, LKA10, LR05,
 LSW06, LL09, LDZ13, LWSL12, LS10, LH09,
 LCC10, LN05, LWH⁺⁰⁶, LND08, LFS09,
 LCH⁺⁰⁹, MZWT10, MB09, MWS08,
 MRM09, MS09, MPS10, MDC⁺⁰⁹, MP10,
 MS12, MKK⁺¹³, MPC⁺¹⁰, MAG13,
 NGS08, NEKK12, NJS05, NZR10, NLD08,

NC10, NCV10, ODCP13, ORRJ12, PDMJ10,
 PG10, PGG⁺¹⁰, PBM11, PEFSV13, PG09,
 PC10, PKG08, PMST12, PCR13, PA05,
 PH10, QM13, RBLP09, RKW⁺⁰⁶, RBD13,
 RR09, SYL09, SAZ10, SZG13, SSGM10,
 SSC⁺¹⁰, SGM08, SPK⁺¹⁰, SCWC13, SH09,
 SST08, SYOY12, SZZC08, SDĈ10, Su07,
 SG08, SG10, SC12, SEZA13, TP07, TLRE13,
 TJZ⁺¹³, TXC⁺¹³, TXY⁺¹³, TJWK13,
 TBL07, TYD⁺⁰⁷, VMS10, VG10, VAC13,
 WECC07]. **sensor**

[WEC11, WZL07, WZL08, WDLN09,
 WBS10, WLD10, WRS10, WIF⁺¹¹, WC13,
 WWLX13, WLZ13, WWXY13, WLW12,
 XBWX13, XWZ⁺⁰⁵, XLZ⁺⁰⁷, XWDN12,
 XTZ08, XRH⁺¹³, YH13, YSZC13, YYM⁺¹⁰,
 YS07, YVS07, ZSKH08, ZH05, ZKS10,
 ZLGG10, ZJX10, ZJZ12, ZVPS10, ZHKS06,
 ZDG09, ZSJ06, ZSJN07, ZSG09, ZDW⁺¹⁰].

sensor-actuator [GRE⁺⁰⁷]. **Sensor-Based**
 [MNLZ18]. **Sensor-mission** [RJL⁺¹⁰].

SensorFly [CPP⁺¹⁷]. **Sensorless**

[ZHCA17]. **Sensornets** [IHGS15]. **Sensors**
 [FLS⁺¹⁴, KCE⁺²⁰, LFNS14, LSW14, Pha16,
 RKRP17, SCG⁺¹⁵, SKM⁺¹¹, ZLYW19,
 Bra07, CLX09, DVS⁺¹⁴, KC14, KAH⁺¹⁰,
 RKJ09, SMMS09, WC09, WC12, ZW05,
 ZBA07]. **SensorScope** [IBS⁺¹⁰].

Separation [BNN⁺²⁰]. **sequence** [KBD14].
sequence-based [KBD14]. **Series**

[AAHS18, LLX⁺¹⁴]. **SeRLoc** [LP05].

Service [LZZ⁺¹⁵, SGB15, TGG⁺¹⁷,
 TGG⁺¹⁹, ZHZ⁺¹⁶, KASD09]. **Services**
 [FM15]. **Sets** [SCL⁺¹⁹]. **SGF** [HCXT09].

Shape [KGBS18, LWG09]. **share**

[YYM⁺¹⁰, MCLM20]. **Shared**

[CT19, Pha16, XJR⁺¹⁷]. **Sharing**

[HBW⁺¹⁸, MCLM20, ZGX⁺¹⁶, ZKS10,

ZGHZ12]. **shift** [KAS⁺¹⁰]. **shift-based**

[KAS⁺¹⁰]. **short** [WDLN09]. **short-term**

[WDLN09]. **Shortest** [SCL⁺¹⁴]. **ShortPK**

[WDLN09]. **SHuffling** [TDD⁺¹⁹]. **Sifting**

[YJWL13]. **Sign** [YPZ⁺¹⁷]. **Signal**

[JAC19, CKL⁺⁰⁹, NCV10, SPK⁺¹⁰].

Signals [FSSR15]. **signature** [CLSW12].
Silence [YSK⁺15]. **Simple**
 [LSW14, FKMS06]. **simulation** [KCPC13].
Simulators [MPRS16]. **Single** [KJP⁺15].
sink [SZZC08]. **Sinks** [RD16]. **situ**
 [TLRE13, WLW12, WWL15]. **Size**
 [LJLW19]. **Sleep** [NK15, YPZ⁺17, NC10].
Sleep-Wake [NK15]. **sleeping**
 [HY07, YH13]. **Slotted** [TNBG18]. **Smart**
 [CHSA18, HPS⁺18, HBW⁺18, KCE⁺20,
 KYM17, KKP18, LSW14, PK20, SBS18,
 YXFL17, CHN⁺13, ELYR14, ST12,
 TMAP14, WL14]. **Smartphone**
 [BNN⁺20, HSL⁺15, PHKK17, WTX⁺16].
Smartphone-Based
 [BNN⁺20, HSL⁺15, WTX⁺16].
Smartphones [BNPR20, SMZ⁺17].
SmartRoad [HSL⁺15]. **smoothness**
 [MCT14]. **snapshot** [JHU⁺13]. **Social**
 [BT18, SDX⁺20, WKA14]. **Socially**
 [DSH16]. **Socio** [ELYR14]. **Socio-economic**
 [ELYR14]. **Sociopsychological** [RBS16].
SOCP [GYNY16]. **Soft** [BT18]. **Software**
 [DCBL15, PHKK17, GRE⁺07, PCR13]. **Soil**
 [WWL15, WLW12]. **Solar**
 [BJR15, BIST18, YM14, JC12].
Solar-Powered [YM14]. **solution** [YH13].
Solutions [HBKP14, VG10, ZHKS06].
SonicDoor [KGBS18]. **Source**
 [GYNY16, MB09, PX13, YSZC13].
source-optimized [MB09]. **sources**
 [CRY⁺10]. **Space**
 [GKRW17, WWL⁺16, WJD16, ABM06].
spaced [NCV10]. **spanner** [PR10].
spanners [SS13]. **Sparse**
 [WWL15, YB17, Kal10, KVI⁺13, GSW09].
sparsely [Amm13]. **Spatial** [Kou18, SZG11,
 JKK08, PKG08, SZG13, YS07]. **spatially**
 [JP06]. **Spatio** [CUdVY13, LKA10].
Spatio-temporal [CUdVY13, LKA10].
Spatiotemporal [DD11]. **Special** [NJZ18].
specific [IBS⁺10]. **spectral** [LS10].
Spectrum [LZN19, MSAJ18, SBS18].
Speech [HL17]. **Speed** [SG10]. **SpO**
 [BNN⁺20]. **spread** [DLD09]. **spreading**
 [QM13]. **stability** [PFJ13]. **Stable**
 [LZAH⁺15]. **Stack** [KPRH14, RS19].
Stack-based [RS19]. **STARR** [CUdVY13].
STARR-DCS [CUdVY13]. **Start**
 [SMZ⁺17]. **state** [HCXT09, LWL12].
state-free [HCXT09]. **static** [Den09, LN05].
station [SH09]. **Statistical**
 [PC10, IR12, KA13]. **statistically**
 [YSZC13]. **Staying** [BR15]. **Steiner** [SB16].
Stochastic [LP06, KT11, PG09, YYM⁺10].
stolen [GPL⁺12]. **Storage**
 [LLX⁺14, LWCJ14, WRYL11, CUdVY13,
 LCH⁺09, MDC⁺09, ZGHZ12].
storage-centric [LCH⁺09]. **Stream**
 [KYM17]. **Street** [CT19]. **strength**
 [CKL⁺09]. **Stretch** [WS14]. **Strip**
 [LFL⁺19]. **strong** [YSZC13]. **Structural**
 [BWCW14, ACG⁺13]. **structure** [GCBL06].
structures [ABM06]. **sTube** [HBW⁺18].
Studies [DXL⁺15]. **Study**
 [COP⁺16, DGS16, LGTL19, MPRS16,
 KPS12, MPC⁺10, SDTL10, YPW⁺13].
subject [LWLS12]. **Sufficient** [BR15].
summarization [dLM14]. **Superposition**
 [MZW⁺19]. **Supplied** [ZLYW19]. **Supply**
 [PK20]. **Support** [IIPK20, NGBB14].
Supported [SHWW20]. **Supporting**
 [KJP⁺15]. **Surface** [CK13, EY14, WJD16].
Surface-level [CK13].
Surface-Reflection-Based [EY14].
Surveillance
 [TYGW15, GAJ⁺06, HKL⁺06, VHC⁺09].
Survey
 [DDA11, LDH06, RHD17, RDP16, RGB⁺17,
 YYC⁺19, BKM⁺12, RBD13, SG08].
Survivability [TYGW15].
Survivability-Heterogeneous [TYGW15].
Sustainability [KYM17]. **sustainable**
 [DEM⁺12]. **Swarm** [CRZ⁺20]. **Switching**
 [BT18]. **Symbols** [BY19]. **sync** [YVS07].
Synchronization [BDO14, SZ19, VTY18,
 VDV16, XXHL16, CLS12, SSC⁺10, YVS07].
Synchronized [HF17]. **Synchronous**

[LHX16, MDC17]. **Synopsis** [NGSA08]. **System** [AJH⁺20, BR15, CTW⁺15, HKG⁺19, JLZL19, KCE⁺20, KGBS18, MSB17, SMR⁺14, TXY⁺13, WCV⁺18, XCT⁺16, ACG⁺13, DABNR10, EML⁺09, HKL⁺06, LNV⁺05, OBB⁺13, ODCP13]. **System-level** [TXY⁺13]. **Systems** [BY19, DCBL15, GKRW17, JZL⁺19, KOD⁺14, MJS⁺19, RFS⁺19, SJH⁺18, SBS18, SZG⁺15, SDBT19, YSK⁺15, ZZZ⁺20, LJY⁺10, NZR10, NDM⁺13].

Tags [MGS⁺15]. **Target** [LMP14, SAK⁺19, SMMS09, SKM⁺11, Bra07, LPR09, MS12, WBS10, WRS10, YLL13, ZDW⁺10]. **Targets** [WPL⁺16, KQ12, WC09, WC12]. **TARS** [HF17]. **TAS** [LHX16]. **TAS-MAC** [LHX16]. **Task** [MDM⁺20]. **Task-based** [MDM⁺20]. **Tasks** [ZGX⁺16, IW14]. **Taxi** [MCLM20]. **Taxi-Sharing** [MCLM20]. **Taxicab** [ZHZ⁺16]. **TDMA** [AH20, GCRB12, NGBB14]. **TDMA-Based** [NGBB14, GCRB12]. **Team** [LFNS14]. **Technique** [HMLJ17, YS07]. **Techniques** [IHGS15, KLA⁺14, MKK⁺13]. **Technology** [WXL⁺19]. **Temperature** [CTW⁺15, XXHL16]. **Temperature-Aware** [XXHL16]. **Temporal** [KXTZ09, LLX⁺14, LL16, LC14b, CUdVY13, LKA10, YS07]. **Tenet** [PGG⁺10]. **Term** [XDX⁺14, VHC⁺09, WDLN09, ZGHZ12]. **Terra** [BSI⁺15]. **terrain** [CK13]. **Testbed** [FPA⁺20]. **Testing** [IHGS15, AAA06]. **Text** [FSSR15]. **Text-Searchable** [FSSR15]. **Their** [LSW14]. **Theoretic** [CPL⁺20, CDGC12, VAC13]. **Theory** [DBOD⁺16, NEKK12, ZWWZ20, ABM13, CCJ08, DLD09, JC12, ZBA07, KXTZ09, PG09]. **Thermal** [FS13, YPW⁺13]. **Thermal-aware** [FS13]. **Things** [MGS⁺19, ZLYW19]. **Three** [Amm16]. **Three-Dimensional** [Amm16]. **threshold** [ZDW⁺10]. **throughput** [FT06]. **Tiered** [WHST16, PGG⁺10]. **Tight** [YVS07]. **Time** [ABC⁺18, AAHS18, DRC17, GM14, LLX⁺14, Pha16, PSB⁺14, SCG⁺15, TNBG18, WWFX11, XXHL16, Gel07, HZGS05, LWSL12, LWH⁺06, NC10, ORRJ12, RS19, VMS10, WWXY13, XRH⁺13, YVS07, ZJX10]. **Time-Critical** [PSB⁺14]. **Time-Series** [LLX⁺14]. **Time-Slotted** [TNBG18]. **Time-Varying** [GM14, VMS10]. **Timestamps** [LTY18]. **timing** [TXC⁺13]. **Tiny** [YVS07]. **Tiny-sync** [YVS07]. **toad** [HBC⁺09]. **TOC** [SCG⁺15]. **Tolerant** [LMP14, COS19]. **tolerating** [GPL⁺12, SZCC08]. **Tones** [SHY13]. **tool** [LJY⁺10]. **tools** [JTS09]. **topologies** [NCV10]. **Topology** [KPCB20, LFL⁺19, RFB⁺14, LSW06]. **Topology-Related** [RFB⁺14]. **trace** [YYSL08]. **tracing** [SEZA13]. **trackability** [CCJ08]. **Tracking** [BQB⁺11, GKRW17, LMP14, SKM⁺11, WPL⁺16, WCV⁺18, YXFL17, ZYZ⁺19, BHA⁺13, EGG13, GJNC⁺14, GPL⁺12, KASD09, KAS⁺10, MS12, SMMS09, TMAP14, TTBH14, WBS10]. **Trade** [FLFW13, WRS10]. **Trade-off** [FLFW13, WRS10]. **Traffic** [BTR⁺18, DSA⁺20, HF17, HSL⁺15, IIPK20, LHX16, SMR⁺14, SYOY12, WECC07]. **Traffic-Adaptive** [HF17, LHX16]. **Trail** [KASD09]. **Transfer** [BASM16, LDC⁺19, SZX17, SMZ⁺17, GCRB12]. **Transferable** [AAHS18]. **Transmission** [KLC⁺16, KPCB20, LMZ⁺16, MDC17, MGS⁺19, WXL⁺19, GCBL06, PR10, WWXY13]. **Transmission-Based** [MDC17]. **Transmit** [KR18]. **transport** [HR13, PG10]. **transportation** [RMB⁺10]. **trap** [CLH⁺13]. **travel** [Gel07]. **Tree** [JJ15, SB16, AH20, GFJ⁺13, JKS⁺10]. **Trees** [CHSA18, SCL⁺14]. **Trends** [AMTH⁺17]. **triangle** [YJWL13]. **Triggered** [SDBT19]. **Troubleshooting** [KLA⁺14]. **Trust** [RBS16, LYG⁺13]. **trusted** [HTC⁺10]. **Truth** [MJS⁺19].

TSCH [TDD⁺19]. **tunnels** [MPC⁺10]. **Turf** [WWB⁺19]. **TV** [BAP⁺17]. **Two** [DGS16, GCAK17, WHST16]. **Two-Connected** [GCAK17]. **Two-Hop** [DGS16]. **Two-Tiered** [WHST16]. **Type** [MGS⁺19]. **types** [NRC⁺09].

UAVs [KVI⁺13]. **Ubiquitous** [TGG⁺19]. **Ultra** [MDC⁺09, PKC⁺18]. **Ultra-low** [MDC⁺09]. **unattended** [PMST12]. **Uncontrollable** [RD16]. **Underground** [LL09]. **Understanding** [YCL⁺19]. **Undervolting** [KBW16]. **Underwater** [EY14, HF17, RHS20, SHY13]. **Unfolding** [CS18]. **Unit** [IHGS15, FKMS06]. **Unknown** [LGTL19]. **unreliability** [ZK07]. **Unreliable** [WKYH17]. **Unsupervised** [TPM⁺17]. **Update** [DCBL15, PBM11]. **upper** [ZH05]. **Urban** [DXL⁺15, MCLM20, ZWWZ20, LNV⁺05]. **usable** [VG10]. **Usage** [Pha16, TPM⁺17]. **User** [XDX⁺14, YYSL08]. **User-Centric** [XDX⁺14]. **user-trace** [YYSL08]. **Using** [AMTH⁺17, BQB⁺11, DSA⁺20, DML⁺16, KR18, LZN19, MDC17, PHKK17, PCPK14, RKR17, RMB⁺10, SZX17, SMZ⁺17, SZG⁺15, TPM⁺17, TAT14, WTX⁺16, WB17, WHYC19, WWL15, XAKV15, YPZ⁺17, YB17, BNPR20, CHSA18, CRY⁺10, DLD09, EGG13, FLJ⁺13, HR13, KCPC13, KLA⁺14, KVI⁺13, KNSM14, LCC⁺13, LK09, LFS09, LC14a, MS12, ORRJ12, RR09, SZG13, SPK14, SYOY12, WL14, XRS10, ZBA07, ZGT11, KAH⁺10]. **Utility** [EMBP12, SJH⁺18, PDMJ10]. **Utility-based** [EMBP12, PDMJ10]. **Utilizing** [QM13].

validity [FLFW13]. **value** [BKS13, VG10]. **value-based** [VG10]. **Valued** [WHYC19]. **Variable** [ZDG09, PR10]. **variant** [TTBH14]. **Variation** [KR18]. **Varying** [GM14, VMS10]. **Vehicles** [LXR⁺16]. **versatile** [DDHC⁺12]. **versus** [LP08]. **via**

[CG18, HPS⁺18, HKG⁺19, JZX⁺20, KLJ12, LKA10, LXR⁺16, SBS18, TLRE13, TGG⁺17, XXHL16, YYSL08]. **vibration** [KPS12]. **vibration-based** [KPS12]. **video** [DVS⁺14, dLM14]. **View** [JM16, MCT14, WC13]. **views** [KNSM14]. **VigilNet** [HKL⁺06, VHC⁺09]. **virtual** [DABNR10]. **vision** [ELYR14, IW14]. **visual** [DVS⁺14, KQ12, KQ14, MAG13]. **Vital** [YPZ⁺17]. **VLSI** [GAJ⁺06]. **volcanic** [TXC⁺13]. **Volumetric** [WWL⁺16].

W3W [ZLYW19]. **Wake** [CWY⁺15, NK15, GAJ⁺06, ODCP13]. **Wake-Up** [CWY⁺15, GAJ⁺06, ODCP13]. **wakeup** [SHY13]. **Walking** [KGBS18]. **warfare** [LNV⁺05]. **Water** [AMTH⁺17, DXL⁺15, KYM17, PK19, KPS12, LCC⁺13]. **Wave** [BY19, TYD⁺07, YPZ⁺17]. **Wavelengths** [BNN⁺20]. **Waving** [LJLW19]. **way** [SAZ10]. **Wearable** [XJR⁺17]. **Wearables** [JLZL19]. **weighted** [CPH06]. **weighted-multidimensional** [CPH06]. **where** [SYOY12]. **while** [GPL⁺12]. **Whisper** [BLGS19]. **Who** [SYOY12]. **wide** [KNSM14, YSM08]. **wide-area** [KNSM14]. **Wideband** [PKC⁺18]. **WiFi** [LCH⁺19a]. **Wild** [DML⁺16]. **wildlife** [DEM⁺12]. **WILDSENSING** [DEM⁺12]. **will** [SYOY12]. **Wind** [DXL⁺15]. **Wireless** [AMTH⁺17, AMAT⁺18, AKSM15, Amm16, AH14, BYD⁺15, BGMP15, BDO14, BAP⁺17, BIMD19, BASM16, BLGS19, BSI⁺15, CBSA18, CKHP19, CWY⁺15, DPB19, DRW⁺14, DRC17, DDA11, DSH16, DGS16, DML⁺16, EA15, GLS⁺14, GCAK17, GTL19, GZZ⁺14, HBKP14, HCL15, IPMGL18, JM16, KOD⁺14, KKRR15, KK15, KBW16, KRP15, LL16, LCC⁺17, LDC⁺19, LZAH⁺15, LMZ⁺16, LWCJ14, LHX16, LFL⁺19, LFW⁺19, MB16, MSB17, MPRS16, MSAJ18, NGBB14, NK15, NK14, PPM15, PDP⁺17, PTDD16, Pha16, PSB⁺14,

PCPK14, RFB⁺¹⁴, RBS16, SSL⁺¹⁹, SCL⁺¹⁴, SCG⁺¹⁵, SXD⁺¹⁵, SGB15, SZG⁺¹⁵, SDBT19, TCN⁺¹⁷, TPM⁺¹⁷, TNBG18, WWFX11, WPL⁺¹⁶, WKYH17, WS14, WBS14, WLS⁺¹⁶, WHST16, XDX⁺¹⁴, XXHL16, YM14, YTB⁺¹⁴, YB17, ZHCA17, ZLW⁺¹⁵, ZZZ⁺²⁰, ZLGL19, ADF12, BKM⁺¹², BHA⁺¹³, BNG12, CJS11, CA06, CDGC12, CYS⁺¹⁰, CCMT09, CC11, CLSW12, CNMH08, CLX09, CLH⁺¹³, CVY09, CGD12, DLD09]. **wireless** [Den09, DD09, DABNR10, DIE14, DDHC⁺¹², ENPNF13, EMP12, FLJ⁺¹³, FT06, GFJ⁺¹³, HM07a, HWT⁺¹¹, HTC⁺¹⁰, HLTC06, HTW07, HCXT09, HR13, IV12, JHU⁺¹³, JLYG13, KBD14, KXTZ09, KCPC13, KC14, KPK12, KLJ12, KLA⁺¹⁴, KRJ09, KSMH13, LDH06, LPV⁺⁰⁹, LP05, LPR09, LKA10, LSW06, LL09, LDZ13, LYG⁺¹³, LCC10, LWH⁺⁰⁶, LND08, LFS09, MZWT10, MPS10, MS12, MKK⁺¹³, MPC⁺¹⁰, NZR10, NLD08, NC10, OBB⁺¹³, ODCP13, PDMJ10, PG10, PEFVS13, PKG08, PMST12, PCR13, QM13, RBLP09, RBD13, RJL⁺¹⁰, RR09, SYL09, SAZ10, SZG13, SSGM10, SPK⁺¹⁰, SCWC13, SH09, SPK14, SZZC08, SDTL10, Su07, SEZA13, TP07, TXC⁺¹³, TXY⁺¹³, TBL07, VAC13, WZL07, WLD10, WWLX13, XBWX13, XLZ⁺⁰⁷, XTZ08, XRH⁺¹³, YS07, YVS07, ZK07, ZSKH08, ZJX10, ZJZ12, ZCLJ14, ZHKS06, ZDW⁺¹⁰]. **Wireless-Charging-Based** [CKHP19]. **Wireless-Sensor-Network-Enabled** [KOD⁺¹⁴]. **without** [SSGM10]. **World** [GKRW17, SGG10, YSM08]. **Worn** [SDX⁺²⁰]. **worst** [JKS⁺¹⁰]. **worst-case** [JKS⁺¹⁰]. **Wrist** [SDX⁺²⁰]. **Wrist-Worn** [SDX⁺²⁰]. **Writing** [YXG⁺¹⁹]. **WSN** [JAC19]. **WSNs** [AMAT⁺¹⁸, ABM13, AH20, ARWK19, KLC13, WWL⁺¹⁶, WJD16, XAKV15, YLSZ19, ZGX⁺¹⁶]. **Wyner** [DVS⁺¹⁴].

Y-Networks [JJ15].

Zero [VRSR15]. **Zero-Delay** [VRSR15]. **ZigBee** [AH20]. **ZigBee-like** [AH20]. **Ziv** [DVS⁺¹⁴].

References

Arici:2006:PEB

[AAA06] Tarik Arici, Toygar Akgun, and Yucel Altunbasak. A prediction error-based hypothesis testing method for sensor data acquisition. *ACM Transactions on Sensor Networks*, 2(4):529–556, November 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Arief-Ang:2018:SRO

[AAHS18] Irvan B. Arief-Ang, Margaret Hamilton, and Flora D. Salim. A scalable room occupancy prediction with transferable time series decomposition of CO₂ sensor data. *ACM Transactions on Sensor Networks*, 14(3–4):21:1–21:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Abbas:2018:IHG

[ABC⁺¹⁸] Samar Abbas, Abu Bakar, Yasra Chandio, Khadija Hafeez, Ayesha Ali, Tariq M. Jadoon, and Muhammad Hamad Alizai. Inverted HVAC: Greenifying older buildings, one room at a time. *ACM Transactions on Sensor Networks*, 14(3–4):26:1–26:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- [ABM06] **Agarwal:2006:SOS**
Pankaj K. Agarwal, David Brady, and Jiří Matoušek. Segmenting object space by geometric reference structures. *ACM Transactions on Sensor Networks*, 2(4):455–465, November 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [ABM13] **Abrardo:2013:GTD**
Andrea Abrardo, Lapo Balucanti, and Alessandro Mecocci. A game theory distributed approach for energy optimization in WSNs. *ACM Transactions on Sensor Networks*, 9(4):44:1–44:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [ACG⁺13] **Alippi:2013:HFS**
Cesare Alippi, Romolo Campani, Cristian Galperti, Antonio Marullo, and Manuel Roveri. A high-frequency sampling monitoring system for environmental and structural applications. *ACM Transactions on Sensor Networks*, 9(4):41:1–41:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [ADF12] **Ayday:2012:DAA**
Erman Ayday, Farshid Delgousha, and Faramarz Fekri. Data authenticity and availability in multihop wireless sensor networks. *ACM Transactions on Sensor Networks*, 8(2):10:1–10:??, March 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [AH14] **Anagnostopoulos:2014:APC**
Christos Anagnostopoulos and Stathes Hadjiefthymiades. Advanced principal component-based compression schemes for wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(1):7:1–7:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [AH20] **Ahmad:2020:EED**
Aasem Ahmad and Zdenek Hanzalek. An energy-efficient distributed TDMA scheduling algorithm for ZigBee-like cluster-tree WSNs. *ACM Transactions on Sensor Networks*, 16(1):3:1–3:41, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3360722>.
- [AHK16] **Anagnostopoulos:2016:ADD**
Christos Anagnostopoulos, Stathes Hadjiefthymiades, and Kostas Kolomvatsos. Accurate, dynamic, and distributed localization of phenomena for mobile sensor networks. *ACM Transactions on Sensor Networks*, 12(2):9:1–9:??, May 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [AJH⁺20] **Alaziz:2020:BBM**
Musaab Alaziz, Zhenhua Jia, Richard Howard, Xiaodong Lin,

- and Yanyong Zhang. In-bed body motion detection and classification system. *ACM Transactions on Sensor Networks*, 16(2):13:1–13:26, April 2020. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3372023>.
- [AKC⁺18] Michael P. Andersen, John Kolb, Kaifei Chen, Gabe Fierro, David E. Culler, and Randy Katz. Democratizing authority in the built environment. *ACM Transactions on Sensor Networks*, 14(3–4):17:1–17:??, December 2018. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [AKSM15] Azad Ali, Abdelmajid Khelil, Neeraj Suri, and Mohamadreza Mahmudimanesh. Adaptive hybrid compression for wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(4):53:1–53:??, December 2015. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [AMAT⁺18] Kofi Sarpong Adu-Manu, Nadir Adam, Cristiano Tapparello, Hoda Ayatollahi, and Wendi Heinzelman. Energy-harvesting wireless sensor networks (EH-WSNs): a review. *ACM Transactions on Sensor Networks*, 14(2):10:1–10:??, July 2018. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Amm13] Habib M. Ammari. Joint k -coverage and data gathering in sparsely deployed sensor networks — impact of purposeful mobility and heterogeneity. *ACM Transactions on Sensor Networks*, 10(1):8:1–8:??, November 2013. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Amm16] Habib M. Ammari. 3D- k Cov-ComFor: an energy-efficient framework for composite forwarding in three-dimensional duty-cycled k -covered wireless sensor networks. *ACM Transactions on Sensor Networks*, 12(4):35:1–35:??, November 2016. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [AMTH⁺17] Kofi Sarpong Adu-Manu, Cristiano Tapparello, Wendi Heinzelman, Ferdinand Apietu Katsriku, and Jamal-Deen Abdulai. Water quality monitoring using wireless sensor networks: Current trends and future research directions. *ACM Transactions on Sensor Networks*, 13(1):4:1–4:??, February 2017. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).

Ammari:2013:JCD

Andersen:2018:DAB

Ammari:2016:KCC

Ali:2015:AHC

Adu-Manu:2017:WQM

Adu-Manu:2018:EHW

- Alghamdi:2019:RAM**
- [ARWK19] Wael Alghamdi, Mohsen Rezvani, Hui Wu, and Salil S. Kanhere. Routing-aware and malicious node detection in a concealed data aggregation for WSNs. *ACM Transactions on Sensor Networks*, 15(2):18:1–18:??, April 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3293537.
- Bedogni:2017:PAF**
- [BAP⁺17] Luca Bedogni, Andreas Achtzehn, Marina Petrova, Petri Mähönen, and Luciano Bononi. Performance assessment and feasibility analysis of IEEE 802.15.4m wireless sensor networks in TV grayspaces. *ACM Transactions on Sensor Networks*, 13(1):8:1–8:??, February 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Bhatti:2016:EHW**
- [BASM16] Naveed Anwar Bhatti, Muhammad Hamad Alizai, Affan A. Syed, and Luca Mottola. Energy harvesting and wireless transfer in sensor network applications: Concepts and experiences. *ACM Transactions on Sensor Networks*, 12(3):24:1–24:??, August 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Bartolini:2012:SAR**
- [BCL⁺12] Novella Bartolini, Tiziana Calamoneri, Tom La Porta, Chiara Petrioli, and Simone Silvestri. Sensor activation and radius adaptation (SARA) in heterogeneous sensor networks. *ACM Transactions on Sensor Networks*, 8(3):24:1–24:??, July 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Barenboim:2014:DEO**
- [BDO14] Leonid Barenboim, Shlomi Dolev, and Rafail Ostrovsky. Deterministic and energy-optimal wireless synchronization. *ACM Transactions on Sensor Networks*, 11(1):13:1–13:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Bruck:2009:LRS**
- [BGJ09] Jehoshua Bruck, Jie Gao, and Anxiao (Andrew) Jiang. Localization and routing in sensor networks by local angle information. *ACM Transactions on Sensor Networks*, 5(1):7:1–7:??, February 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Bagchi:2015:ORC**
- [BGMP15] Amitabha Bagchi, Sainyam Galhotra, Tarun Mangla, and Cristina M. Pinotti. Optimal radius for connectivity in duty-cycled wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(2):36:1–36:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- Blumrosen:2013:ERB**
- [BHA⁺13] Gaddi Blumrosen, Bracha Hod, Tal Anker, Danny Dolev, and Boris Rubinsky. Enhancing RSSI-based tracking accuracy in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(3):29:1–29:??, May 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Bhargava:2019:LFA**
- [BIMD19] Kriti Bhargava, Stepan Ivanov, Diarmuid McSweeney, and William Donnelly. Leveraging fog analytics for context-aware sensing in cooperative wireless sensor networks. *ACM Transactions on Sensor Networks*, 15(2):23:1–23:??, April 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3306147.
- Bashir:2018:MPC**
- [BIST18] Noman Bashir, David Irwin, Prashant Shenoy, and Jay Taneja. Mechanisms and policies for controlling distributed solar capacity. *ACM Transactions on Sensor Networks*, 14(3–4):25:1–25:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Basha:2015:NDS**
- [BJR15] Elizabeth Basha, Raja Jurdak, and Daniela Rus. In-network distributed solar current prediction. *ACM Transactions on Sensor Networks*, 11(2):23:1–23:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Baccour:2012:RLQ**
- [BKM⁺12] Nouha Baccour, Anis Koubâa, Luca Mottola, Marco Antonio Zúñiga, Habib Youssef, Carlo Alberto Boano, and Mário Alves. Radio link quality estimation in wireless sensor networks: a survey. *ACM Transactions on Sensor Networks*, 8(4):34:1–34:??, September 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Bisdikian:2013:QVI**
- [BKS13] Chatschik Bisdikian, Lance M. Kaplan, and Mani B. Srivastava. On the quality and value of information in sensor networks. *ACM Transactions on Sensor Networks*, 9(4):48:1–48:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Brachmann:2019:WFF**
- [BLGS19] Martina Brachmann, Olaf Landsiedel, Diana Göhringer, and Silvia Santini. Whisper: Fast flooding for low-power wireless networks. *ACM Transactions on Sensor Networks*, 15(4):47:1–47:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3356341.

Biswas:2006:SPB

- [BLWY06] Pratik Biswas, Tzu-Chen Lian, Ta-Chung Wang, and Yinyu Ye. Semidefinite programming based algorithms for sensor network localization. *ACM Transactions on Sensor Networks*, 2(2):188–220, May 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Boers:2012:SCI

- [BNG12] Nicholas M. Boers, Ioanis Nikolaidis, and Pawel Gburzynski. Sampling and classifying interference patterns in a wireless sensor network. *ACM Transactions on Sensor Networks*, 9(1):2:1–2:??, November 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Bui:2020:SBS

- [BNN⁺20] Nam Bui, Anh Nguyen, Phuc Nguyen, Hoang Truong, Ashwin Ashok, Thang Dinh, Robin Deterding, and Tam Vu. Smartphone-based SpO₂ measurement by exploiting wavelengths separation and chromophore compensation. *ACM Transactions on Sensor Networks*, 16(1):9:1–9:30, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3360725>.

Bhandari:2020:DLN

- [BNPR20] Ravi Bhandari, Akshay Uttama Nambi, Venkata N. Padmanabhan, and Bhaskaran Raman. Driving lane detection

on smartphones using deep neural networks. *ACM Transactions on Sensor Networks*, 16(1):2:1–2:22, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3358797>.

Busnel:2011:ADT

- [BQB⁺11] Yann Busnel, Leonardo Querzoni, Roberto Baldoni, Marin Bertier, and Anne-Marie Ker-marrec. Analysis of deterministic tracking of multiple objects using a binary sensor network. *ACM Transactions on Sensor Networks*, 8(1):8:1–8:??, August 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Bui:2015:SAS

[BR15] Nicola Bui and Michele Rossi. Staying alive: System design for self-sufficient sensor networks. *ACM Transactions on Sensor Networks*, 11(3):40:1–40:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Brass:2007:BCT

- [Bra07] Peter Brass. Bounds on coverage and target detection capabilities for models of networks of mobile sensors. *ACM Transactions on Sensor Networks*, 3(2):9:1–9:??, June 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Bhandari:2018:CCF

- [BRR⁺18] Ravi Bhandari, Bhaskaran Raman, K. K. Ramakrishnan, Deepthi Chander, Naveen Aggarwal, Divya Bansal, Mahima Choudhary, Nisha Moond, Aneesh Bansal, and Megha Chaudhary. CrowdLoc: Cellular fingerprinting for crowds by crowds. *ACM Transactions on Sensor Networks*, 14(1):4:1–4:??, March 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Branco:2015:TFS

- [BSI⁺15] Adriano Branco, Francisco Sant’anna, Roberto Ierusalimsky, Noemi Rodriguez, and Silvana Rossetto. Terra: Flexibility and safety in wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(4):59:1–59:??, December 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Bhotto:2018:NBS

- [BT18] MD. Zulfiquar Ali Bhotto and Wee Peng Tay. Non-Bayesian social learning with observation reuse and soft switching. *ACM Transactions on Sensor Networks*, 14(2):14:1–14:??, July 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Bhardwaj:2018:AAT

- [BTR⁺18] Romil Bhardwaj, Gopi Krishna Tummala, Ganesan Ramalingam, Ramachandran Ramjee,

and Prasun Sinha. AutoCalib: Automatic traffic camera calibration at scale. *ACM Transactions on Sensor Networks*, 14(3–4):19:1–19:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Bhuiyan:2014:SPM

- [BWCW14] Md Zakirul Alam Bhuiyan, Guojun Wang, Jiannong Cao, and Jie Wu. Sensor placement with multiple objectives for structural health monitoring. *ACM Transactions on Sensor Networks*, 10(4):68:1–68:??, June 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Buiquang:2019:BJD

- [BY19] Chung Buiquang and Zhongfu Ye. Blind joint 2-D DOA/symbols estimation for 3-D millimeter wave massive MIMO communication systems. *ACM Transactions on Sensor Networks*, 15(4):46:1–46:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3352487.

Bagaa:2015:DLL

- [BYD⁺15] Miloud Bagaa, Mohamed Younis, Djamel Djenouri, Abdelouahid Derhab, and Nadjib Badache. Distributed low-latency data aggregation scheduling in wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(3):49:1–49:??, May 2015. CODEN ????

ISSN 1550-4859 (print), 1550-4867 (electronic).

Cao:2006:SLC

- [CA06] Qing Cao and Tarek Abdelzaher. Scalable logical coordinates framework for routing in wireless sensor networks. *ACM Transactions on Sensor Networks*, 2(4): 557–593, November 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Chandio:2018:NWE

- [CBSA18] Yasra Chandio, Jó Ágila Bitsch, Affan A. Syed, and Muhammad Hamad Alizai. Networking wireless energy in embedded networks. *ACM Transactions on Sensor Networks*, 14(2): 9:1–9:??, July 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Chan:2011:SFP

- [CC11] Aldar C-F. Chan and Claude Castelluccia. A security framework for privacy-preserving data aggregation in wireless sensor networks. *ACM Transactions on Sensor Networks*, 7(4):29:1–29:??, February 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Crespi:2008:TTA

- [CCJ08] Valentino Crespi, George Cybenko, and Guofei Jiang. The theory of trackability with applications to sensor networks. *ACM Transactions on Sensor Networks*, 4(3):16:1–16:??, May

2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Castelluccia:2009:EPS

- [CCMT09] Claude Castelluccia, Aldar C-F. Chan, Einar Mykletun, and Gene Tsudik. Efficient and provably secure aggregation of encrypted data in wireless sensor networks. *ACM Transactions on Sensor Networks*, 5(3):20:1–20:??, May 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Cao:2012:ITM

- [CDGC12] Zhen Cao, Hui Deng, Zhi Guan, and Zhong Chen. Information-theoretic modeling of false data filtering schemes in wireless sensor networks. *ACM Transactions on Sensor Networks*, 8(2):14:1–14:??, March 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Chitnis:2008:AML

- [CDR08] Laukik Chitnis, Alin Dobra, and Sanjay Ranka. Aggregation methods for large-scale sensor networks. *ACM Transactions on Sensor Networks*, 4(2):9:1–9:??, March 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Cichon:2018:ACA

- [CG18] Jacek Cicho'n and Karol Gotfryd. Average counting via approximate histograms. *ACM Transactions on Sensor Networks*, 14(2):8:1–8:??, July 2018.

CODEN ???? ISSN 1550-4859
(print), 1550-4867 (electronic).

Chen:2013:LBC

Chen:2019:TPO

- [CGB⁺19] Yueyue Chen, Deke Guo, MD Zakirul Alam Bhuiyan, Ming Xu, Guojun Wang, and Pin Lv. Towards profit optimization during online participant selection in compressive mobile crowdsensing. *ACM Transactions on Sensor Networks*, 15(4):38:1–38:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3342515.

Choi:2012:NFE

- [CGD12] Wook Choi, Giacomo Ghidini, and Sajal K. Das. A novel framework for energy-efficient data gathering with random coverage in wireless sensor networks. *ACM Transactions on Sensor Networks*, 8(4):36:1–36:??, September 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Carbunar:2006:RCD

- [CGVC06] Bogdan Cărbunar, Ananth Grama, Jan Vitek, and Octavian Cărbunar. Redundancy and coverage detection in sensor networks. *ACM Transactions on Sensor Networks*, 2(1):94–128, February 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- [CHN⁺13] Phoebus Chen, Kirak Hong, Nikhil Naikal, S. Shankar Sastry, Doug Tygar, Posu Yan, Allen Y. Yang, Lung-Chung Chang, Leon Lin, Simon Wang, Edgar Lo-batón, Songhwa Oh, and Parvez Ahammad. A low-bandwidth camera sensor platform with applications in smart camera networks. *ACM Transactions on Sensor Networks*, 9(2):21:1–21:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Cauchi:2018:MSB

- [CHSA18] Nathalie Cauchi, Khaza Anuarul Hoque, Marielle Stoelinga, and Alessandro Abate. Maintenance of smart buildings using fault trees. *ACM Transactions on Sensor Networks*, 14(3–4):28:1–28:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Cai:2011:CSD

- [CJS11] Haiyan Cai, Xiaohua Jia, and Mo Sha. Critical sensor density for partial connectivity in large area wireless sensor networks. *ACM Transactions on Sensor Networks*, 7(4):35:1–35:??, February 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Cevher:2009:ASN

- [CK09] Volkan Cevher and Lance M. Kaplan. Acoustic sensor network design for position estimation.

ACM Transactions on Sensor Networks, 5(3):21:1–21:??, May 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Chong:2013:SLP

- [CK13] Poh Kit Chong and Daeyoung Kim. Surface-level path loss modeling for sensor networks in flat and irregular terrain. *ACM Transactions on Sensor Networks*, 9(2):15:1–15:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Chang:2019:PPN

- [CKHP19] Sang-Yoon Chang, Sristi Lakshmi Sravana Kumar, Yih-Chun Hu, and Younghee Park. Power-positive networking: Wireless-charging-based networking to protect energy against battery DoS attacks. *ACM Transactions on Sensor Networks*, 15(3):27:1–27:??, August 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3317686.

Chen:2009:SRP

- [CKL+09] Yingying Chen, Konstantinos Kleisouris, Xiaoyan Li, Wade Trappe, and Richard P. Martin. A security and robustness performance analysis of localization algorithms to signal strength attacks. *ACM Transactions on Sensor Networks*, 5(1):2:1–2:??, February 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

ISSN 1550-4859 (print), 1550-4867 (electronic).

Chen:2013:EET

- [CLH+13] Jiming Chen, Junkun Li, Shibo He, Tian He, Yu Gu, and Youxian Sun. On energy-efficient trap coverage in wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(1):2:1–2:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Cucuringu:2012:SNL

- [CLS12] Mihai Cucuringu, Yaron Lipman, and Amit Singer. Sensor network localization by eigenvector synchronization over the Euclidean group. *ACM Transactions on Sensor Networks*, 8(3):19:1–19:??, July 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Chang:2012:PRS

- [CLSW12] Shih-Ying Chang, Yue-Hsun Lin, Hung-Min Sun, and Mu-En Wu. Practical RSA signature scheme based on periodical rekeying for wireless sensor networks. *ACM Transactions on Sensor Networks*, 8(2):13:1–13:??, March 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Chen:2009:MGQ

- [CLX09] Ai Chen, Ten H. Lai, and Dong Xuan. Measuring and guaranteeing quality of barrier coverage for general belts with wireless sensors. *ACM Transactions*

- on *Sensor Networks*, 6(1):2:1–2:??, December 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [CPH06]
- Chatterjea:2008:DSO**
- [CNMH08] Supriyo Chatterjea, Tim Nieberg, Nirvana Meratnia, and Paul Havinga. A distributed and self-organizing scheduling algorithm for energy-efficient data aggregation in wireless sensor networks. *ACM Transactions on Sensor Networks*, 4(4):20:1–20:??, August 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [CPL+20]
- Choi:2016:DIM**
- [COP+16] Woohyeok Choi, Jeungmin Oh, Taiwoo Park, Seongjun Kang, Miri Moon, Uichin Lee, Inseok Hwang, Darren Edge, and June-hwa Song. Designing interactive multiswimmer exergames: a case study. *ACM Transactions on Sensor Networks*, 12(3):17:1–17:??, August 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [CPP+17]
- Cardell-Oliver:2019:BAC**
- [COS19] Rachel Cardell-Oliver and Chayan Sarkar. BuildSense: Accurate, cost-aware, fault-tolerant monitoring with minimal sensor infrastructure. *ACM Transactions on Sensor Networks*, 15(3):36:1–36:??, August 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [CRW07]
- Costa:2006:DWM**
- Jose A. Costa, Neal Patwari, and Alfred O. Hero III. Distributed weighted-multidimensional scaling for node localization in sensor networks. *ACM Transactions on Sensor Networks*, 2(1):39–64, February 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Chiariotti:2020:GTA**
- Federico Chiariotti, Chiara Pielli, Nicola Laurenti, Andrea Zanella, and Michele Zorzi. A game-theoretic analysis of energy-depleting jamming attacks with a learning counter-strategy. *ACM Transactions on Sensor Networks*, 16(1):6:1–6:25, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3365838>.
- Chen:2017:DEM**
- Xinlei Chen, Aveek Purohit, Shijia Pan, Carlos Ruiz, Jun Han, Zheng Sun, Frank Mokaya, Patric Tague, and Pei Zhang. Design experiences in minimalistic flying sensor node platform through SensorFly. *ACM Transactions on Sensor Networks*, 13(4):33:1–33:??, December 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Cheng:2007:CBP**
- Maggie X. Cheng, Lu Ruan, and Weili Wu. Coverage breach problems in bandwidth-constrained

- sensor networks. *ACM Transactions on Sensor Networks*, 3(2): 12:1–12:??, June 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [CRY⁺10] Jren-Chit Chin, Nageswara S. V. Rao, David K. Y. Yau, Mallikarjun Shankar, Yong Yang, Jennifer C. Hou, Srinivasagopalan Srivathsan, and Sitharama Iyengar. Identification of low-level point radioactive sources using a sensor network. *ACM Transactions on Sensor Networks*, 7(3):21:1–21:??, September 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [CRZ⁺20] Xinlei Chen, Carlos Ruiz, Sihan Zeng, Liyao Gao, Aveek Purohit, Stefano Carpin, and Pei Zhang. H-DrunkWalk: Collaborative and adaptive navigation for heterogeneous MAV swarm. *ACM Transactions on Sensor Networks*, 16(2): 20:1–20:27, April 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3382094>.
- [CS17] Se-Hang Cheong and Yain-Whar Si. Accelerating the Kamada-Kawai algorithm for boundary detection in a mobile ad hoc network. *ACM Transactions on Sensor Networks*, 13(1):3:1–3:??, February 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [CS18] Se-Hang Cheong and Yain-Whar Si. Boundary node detection and unfolding of complex non-convex ad hoc networks. *ACM Transactions on Sensor Networks*, 14(1): 1:1–1:??, March 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [CSA06] Arnab Chakrabarti, Ashutosh Sabharwal, and Behnaam Aazhang. Communication power optimization in a sensor network with a path-constrained mobile observer. *ACM Transactions on Sensor Networks*, 2(3):297–324, August 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [CT19] Kongyang Chen and Guang Tan. BikeGPS: Localizing shared bikes in street canyons with low-level GPS cooperation. *ACM Transactions on Sensor Networks*, 15(4):45:1–45:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3343857.
- [CTW⁺15] Jinzhu Chen, Rui Tan, Yu Wang, Guoliang Xing, Xiaorui Wang, Xiaodong Wang, Bill Punch, and Dirk Colbry. A sensor system for

Chin:2010:ILL

Cheong:2018:BND

Chen:2020:HDC

Chakrabarti:2006:CPO

Chen:2019:BLS

Cheong:2017:AKK

Chen:2015:SSH

high-fidelity temperature distribution forecasting in data centers. *ACM Transactions on Sensor Networks*, 11(2):30:1–30:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Cuevas:2013:SDS

- [CUDVY13] Ángel Cuevas, Manuel Uruña, Gustavo de Veciana, and Aditya Yadav. STARR-DCS: Spatio-temporal adaptation of random replication for data-centric storage. *ACM Transactions on Sensor Networks*, 10(1):14:1–14:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Cheng:2009:DAN

- [CVY09] Bing Hwa Cheng, Lieven Vandenberghe, and Kung Yao. Distributed algorithm for node localization in wireless ad-hoc networks. *ACM Transactions on Sensor Networks*, 6(1):8:1–8:??, December 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Chen:2015:RMR

- [CWY+15] Li Chen, Jeremy Warner, Pak Lam Yung, Dawei Zhou, Wendi Heinzelman, Ilker Demirkol, Ufuk Muncuk, Kaushik Chowdhury, and Stefano Basagni. REACH 2-Mote: a range-extending passive wake-up wireless sensor node. *ACM Transactions on Sensor Networks*, 11(4):64:1–64:??, December 2015.

CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Carbunar:2010:QPW

- [CYS+10] Bogdan Carbunar, Yang Yu, Weidong Shi, Michael Pearce, and Venu Vasudevan. Query privacy in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(2):14:1–14:??, February 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Dong:2010:SRV

- [DABNR10] Jing Dong, Kurt E. Ackermann, Brett Bavar, and Cristina Nita-Rotaru. Secure and robust virtual coordinate system in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(4):29:1–29:??, July 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Doudou:2016:GTF

- [DBOD+16] Messaoud Doudou, Jose M. Barcelo-Ordinas, Djamel Djennouri, Jorge Garcia-Vidal, Abdelmadjid Bouabdallah, and Nadjib Badache. Game theory framework for MAC parameter optimization in energy-delay constrained sensor networks. *ACM Transactions on Sensor Networks*, 12(2):10:1–10:??, May 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- Dong:2015:ORC**
- [DCBL15] Wei Dong, Chun Chen, Jiajun Bu, and Wen Liu. Optimizing relocatable code for efficient software update in networked embedded systems. *ACM Transactions on Sensor Networks*, 11(2): 22:1–22:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Dietrich:2009:LWS**
- [DD09] Isabel Dietrich and Falko Dressler. On the lifetime of wireless sensor networks. *ACM Transactions on Sensor Networks*, 5(1):5:1–5:??, February 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Dereszynski:2011:SMD**
- [DD11] Ethan W. Dereszynski and Thomas G. Dietterich. Spatiotemporal models for data-anomaly detection in dynamic environmental monitoring campaigns. *ACM Transactions on Sensor Networks*, 8(1):3:1–3:??, August 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- DiFrancesco:2011:DCW**
- [DDA11] Mario Di Francesco, Sajal K. Das, and Giuseppe Anastasi. Data collection in wireless sensor networks with mobile elements: a survey. *ACM Transactions on Sensor Networks*, 8(1): 7:1–7:??, August 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Dutta:2012:MVE**
- [DDHC⁺12] Prabal Dutta, Stephen Dawson-Haggerty, Yin Chen, Chieh-Jan Mike Liang, and Andreas Terzis. A-MAC: a versatile and efficient receiver-initiated link layer for low-power wireless. *ACM Transactions on Sensor Networks*, 8(4):30:1–30:??, September 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Dyo:2012:WDD**
- [DEM⁺12] Vladimir Dyo, Stephen A. Ellwood, David W. Macdonald, Andrew Markham, Niki Trigoni, Ricklef Wohlers, Cecilia Mascolo, Bence Pásztor, Salvatore Scellato, and Kharsim Yousef. WILDSENSING: Design and deployment of a sustainable sensor network for wildlife monitoring. *ACM Transactions on Sensor Networks*, 8(4):29:1–29:??, September 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Deng:2009:MDF**
- [Den09] Jing Deng. Multihop/Direct Forwarding (MDF) for static wireless sensor networks. *ACM Transactions on Sensor Networks*, 5(4):35:1–35:??, November 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Dong:2016:THR**
- [DGS16] Jie Dong, Yu Ge, and David B. Smith. Two-hop relay-assisted

- cooperative communication in wireless body area networks: an empirical study. *ACM Transactions on Sensor Networks*, 12(4):32:1–32:??, November 2016. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). [dLM14]
- [DIE14] Mehmet Yunus Donmez, Sinan Isik, and Cem Ersoy. Analysis of a prioritized contention model for multimedia wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(2):36:1–36:??, January 2014. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Dji10] Hristo N. Djidjev. Approximation algorithms for computing minimum exposure paths in a sensor field. *ACM Transactions on Sensor Networks*, 7(3):23:1–23:??, September 2010. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [DLD09] Pradip De, Yonghe Liu, and Sajal K. Das. Deployment-aware modeling of node compromise spread in wireless sensor networks using epidemic theory. *ACM Transactions on Sensor Networks*, 5(3):23:1–23:??, May 2009. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). [DRC06]
- [De:2009:DAM] Pradip De, Yonghe Liu, and Sajal K. Das. Deployment-aware modeling of node compromise spread in wireless sensor networks using epidemic theory. *ACM Transactions on Sensor Networks*, 5(3):23:1–23:??, May 2009. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [deLeo:2014:MVS] Carter de Leo and B. S. Manjunath. Multicamera video summarization and anomaly detection from activity motifs. *ACM Transactions on Sensor Networks*, 10(2):27:1–27:??, January 2014. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Dressler:2016:MBW] Falko Dressler, Margit Mutschlechner, Bijun Li, Rüdiger Kapitza, Simon Ripperger, Christopher Eibel, Benedict Herzog, Timo Hönig, and Wolfgang Schröder-Preikschat. Monitoring bats in the wild: On using erasure codes for energy-efficient wireless sensor networks. *ACM Transactions on Sensor Networks*, 12(1):7:1–7:??, March 2016. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [DPB19] Silvia Demetri, Gian Pietro Picco, and Lorenzo Bruzzone. LaPS: LiDAR-assisted placement of wireless sensor networks in forests. *ACM Transactions on Sensor Networks*, 15(2):17:1–17:??, April 2019. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3293500.
- [Devarajan:2006:DMC] Dhanya Devarajan, Richard J. Radke, and Haeyong Chung.
- [Djidjev:2010:AAC] Hristo N. Djidjev. Approximation algorithms for computing minimum exposure paths in a sensor field. *ACM Transactions on Sensor Networks*, 7(3):23:1–23:??, September 2010. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Donmez:2014:APC] Mehmet Yunus Donmez, Sinan Isik, and Cem Ersoy. Analysis of a prioritized contention model for multimedia wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(2):36:1–36:??, January 2014. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

- Distributed metric calibration of ad hoc camera networks. *ACM Transactions on Sensor Networks*, 2(3):380–403, August 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [DSH16]
- Dezfouli:2017:RRT**
- [DRC17] Behnam Dezfouli, Marjan Radi, and Octav Chipara. REWIMO: a real-time and reliable low-power wireless mobile network. *ACM Transactions on Sensor Networks*, 13(3):17:1–17:??, September 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Dezfouli:2014:CEM**
- [DRW⁺14] Behnam Dezfouli, Marjan Radi, Kamin Whitehouse, Shukor Abd Razak, and Hwee-Pink Tan. CAMA: Efficient modeling of the capture effect for low-power wireless networks. *ACM Transactions on Sensor Networks*, 11(1):20:1–20:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [DVS⁺14]
- Dimri:2020:BUB**
- [DSA⁺20] Anuj Dimri, Harsimran Singh, Naveen Aggarwal, Bhaskaran Raman, K. K. Ramakrishnan, and Divya Bansal. BaroSense: Using barometer for road traffic congestion detection and path estimation with crowdsourcing. *ACM Transactions on Sensor Networks*, 16(1):4:1–4:24, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3364697>. [DXL⁺15]
- Dong:2016:SOC**
- Jie Dong, David B. Smith, and Leif W. Hanlen. Socially optimal coexistence of wireless body area networks enabled by a non-cooperative game. *ACM Transactions on Sensor Networks*, 12(4):26:1–26:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Deligiannis:2014:PRW**
- Nikos Deligiannis, Frederik Verbiest, Jürgen Slowack, Rik van de Walle, Peter Schelkens, and Adrian Munteanu. Progressively refined Wyner–Ziv video coding for visual sensors. *ACM Transactions on Sensor Networks*, 10(2):21:1–21:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Du:2015:SPM**
- Wan Du, Zikun Xing, Mo Li, Bingsheng He, Lloyd Hock Chye Chua, and Haiyan Miao. Sensor placement and measurement of wind for water quality studies in urban reservoirs. *ACM Transactions on Sensor Networks*, 11(3):41:1–41:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Ebrahimi:2015:NCA**
- [EA15] Dariush Ebrahimi and Chadi Assi. Network coding-aware

- compressive data gathering for energy-efficient wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(4):61:1–61:??, December 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [ECPC14] Varick L. Erickson, Miguel Á. Carreira-Perpiñán, and Alberto E. Cerpa. Occupancy modeling and prediction for building energy management. *ACM Transactions on Sensor Networks*, 10(3):42:1–42:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [EFI⁺10] Alon Efrat, David Forrester, Anand Iyer, Stephen G. Kobourov, Cesim Ertan, and Ozan Kilic. Force-directed approaches to sensor localization. *ACM Transactions on Sensor Networks*, 7(3):27:1–27:??, September 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [EGG13] Ali O. Ercan, Abbas El Gamal, and Leonidas J. Guibas. Object tracking in the presence of occlusions using multiple cameras: a sensor network approach. *ACM Transactions on Sensor Networks*, 9(2):16:1–16:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [ELR08] Pavan Edara, Ashwin Limaye, and Krithi Ramamritham. Asynchronous in-network prediction: Efficient aggregation in sensor networks. *ACM Transactions on Sensor Networks*, 4(4):25:1–25:??, August 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [ELYR14] Lukas Esterle, Peter R. Lewis, Xin Yao, and Bernhard Rinner. Socio-economic vision graph generation and handover in distributed smart camera networks. *ACM Transactions on Sensor Networks*, 10(2):20:1–20:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [EMBP12] Sharanya Eswaran, Archan Misra, Flavio Bergamaschi, and Thomas La Porta. Utility-based bandwidth adaptation in mission-oriented wireless sensor networks. *ACM Transactions on Sensor Networks*, 8(2):17:1–17:??, March 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [EML⁺09] Shane B. Eisenman, Emiliano Miluzzo, Nicholas D. Lane, Ronald A. Peterson, Gahng-Seop Ahn, and Andrew T. Campbell. BikeNet: a mobile sensing system for cyclist expe-

rience mapping. *ACM Transactions on Sensor Networks*, 6(1):6:1–6:??, December 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Eslami:2013:RFW

[ENPNF13] Ali Eslami, Mohammad Nekoui, Hossein Pishro-Nik, and Faramarz Fekri. Results on finite wireless sensor networks: Connectivity and coverage. *ACM Transactions on Sensor Networks*, 9(4):51:1–51:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Erdem:2012:EPH

[ES12] Uğur Murat Erdem and Stan Sclaroff. Event prediction in a hybrid camera network. *ACM Transactions on Sensor Networks*, 8(2):16:1–16:??, March 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Emokpae:2014:SRB

[EY14] Lloyd Emokpae and Mohamed Younis. Surface-reflection-based communication and localization in underwater sensor networks. *ACM Transactions on Sensor Networks*, 10(3):50:1–50:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Fierro:2018:DAQ

[FC18] Gabe Fierro and David E. Culler. Design and analysis of a query processor for Brick. *ACM*

Transactions on Sensor Networks, 14(3–4):18:1–18:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Funke:2006:SID

[FKMS06] Stefan Funke, Alexander Kesselman, Ulrich Meyer, and Michael Segal. A simple improved distributed algorithm for minimum CDS in unit disk graphs. *ACM Transactions on Sensor Networks*, 2(3):444–453, August 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Fu:2013:TBE

[FLFW13] Huai-Lei Fu, Phone Lin, Yuguang Fang, and Ting-Yu Wang. Trade-off between energy efficiency and report validity for mobile sensor networks. *ACM Transactions on Sensor Networks*, 9(4):49:1–49:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Feng:2013:EED

[FLJ⁺13] Jing Feng, Yung-Hsiang Lu, Byunghoo Jung, Dimitrios Peroulis, and Y. Charlie Hu. Energy-efficient data dissemination using beamforming in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(3):31:1–31:??, May 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- [FLS⁺14] **Fan:2014:BCS** Haosheng Fan, Minming Li, Xi-anwei Sun, Peng-Jun Wan, and Yingchao Zhao. Barrier coverage by sensors with adjustable ranges. *ACM Transactions on Sensor Networks*, 11(1):14:1–14:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [FM15] **Fortuna:2015:FDC** Carolina Fortuna and Mihael Mohorcic. A framework for dynamic composition of communication services. *ACM Transactions on Sensor Networks*, 11(2):32:1–32:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [FPA⁺20] **Fierro:2020:MOT** Gabe Fierro, Marco Pritoni, Moustafa Abdelbaky, Daniel Lengyel, John Leyden, Anand Prakash, Pranav Gupta, Paul Raftery, Therese Peffer, Greg Thomson, and David E. Culler. Mortar: an open testbed for portable building analytics. *ACM Transactions on Sensor Networks*, 16(1):7:1–7:31, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3366375>.
- [FS13] **Forte:2013:TAS** Domenic Forte and Ankur Srivastava. Thermal-aware sensor scheduling for distributed estimation. *ACM Transactions on Sensor Networks*, 9(4):53:1–53:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [FSSR15] **Feldman:2015:IGS** Dan Feldman, Cynthia Sung, Andrew Sugaya, and Daniela Rus. iDiary: From GPS signals to a text-searchable diary. *ACM Transactions on Sensor Networks*, 11(4):60:1–60:??, December 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [FT06] **Fragouli:2006:CCT** Christina Fragouli and Tarik Tabet. On conditions for constant throughput in wireless networks. *ACM Transactions on Sensor Networks*, 2(3):359–379, August 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GAJ⁺06] **Goldberg:2006:VIE** David H. Goldberg, Andreas G. Andreou, Pedro Julián, Philippe O. Poulliquen, Laurence Riddle, and Rich Rosasco. VLSI implementation of an energy-aware wake-up detector for an acoustic surveillance sensor network. *ACM Transactions on Sensor Networks*, 2(4):594–611, November 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GBS08] **Ganeriwal:2008:RBF** Saurabh Ganeriwal, Laura K. Balzano, and Mani B. Srivas-

- tava. Reputation-based framework for high integrity sensor networks. *ACM Transactions on Sensor Networks*, 4(3):15:1–15:??, May 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GCAK17] Avishek Ghosh, Arpan Chattopadhyay, Anish Arora, and Anurag Kumar. Measurement based as-you-go deployment of two-connected wireless relay networks. *ACM Transactions on Sensor Networks*, 13(3):23:1–23:??, September 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GCBL06] Deepak Ganesan, Razvan Cristescu, and Baltasar Beferull-Lozano. Power-efficient sensor placement and transmission structure for data gathering under distortion constraints. *ACM Transactions on Sensor Networks*, 2(2):155–181, May 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GCRB12] Vijay Gabale, Kameswari Chebrolu, Bhaskaran Raman, and Sagar Bijwe. PIP: a multichannel, TDMA-based MAC for efficient and scalable bulk transfer in sensor networks. *ACM Transactions on Sensor Networks*, 8(4):28:1–28:??, September 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Gel07] Erol Gelenbe. A diffusion model for packet travel time in a random multihop medium. *ACM Transactions on Sensor Networks*, 3(2):10:1–10:??, June 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GFJ⁺13] Omprakash Gnawali, Rodrigo Fonseca, Kyle Jamieson, Maria Kazandjieva, David Moss, and Philip Levis. CTP: an efficient, robust, and reliable collection tree protocol for wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(1):16:1–16:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GJNC⁺14] Sebastian Gruenwedel, Vedran Jelaca, Jorge Oswaldo Nino-Castaneda, Peter van Hese, Dimitri van Cauwelaert, Dirk van Haerenborgh, Peter Vee-laert, and Wilfried Philips. Low-complexity scalable distributed multicamera tracking of humans. *ACM Transactions on Sensor Networks*, 10(2):24:1–24:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GKRW17] Erin Griffiths, Avinash Kalyanaraman, Juhi Ranjan, and Kamin Whitehouse. An empirical design space analysis of

- doorway tracking systems for real-world environments. *ACM Transactions on Sensor Networks*, 13(4):26:1–26:??, December 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GLS+14] Euhanna Ghadimi, Olaf Landsiedel, Pablo Soldati, Simon Duquennoy, and Mikael Johansson. Opportunistic routing in low duty-cycle wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(4):67:1–67:??, June 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GM14] Alireza Ghaffarkhah and Yasamin Mostofi. Dynamic networked coverage of time-varying environments in the presence of fading communication channels. *ACM Transactions on Sensor Networks*, 10(3):45:1–45:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GNDC08] Himanshu Gupta, Vishnu Navda, Samir Das, and Vishal Chowdhary. Efficient gathering of correlated data in sensor networks. *ACM Transactions on Sensor Networks*, 4(1):4:1–4:??, January 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GPL+12] Santanu Guha, Kurt Plarre, Daniel Lissner, Somnath Mitra, Bhagavathy Krishna, Prabal Dutta, and Santosh Kumar. AutoWitness: Locating and tracking stolen property while tolerating GPS and radio outages. *ACM Transactions on Sensor Networks*, 8(4):31:1–31:??, September 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GRE+07] Lewis Girod, Nithya Ramanathan, Jeremy Elson, Thanos Stathopoulos, Martin Lukac, and Deborah Estrin. Emstar: a software environment for developing and deploying heterogeneous sensor-actuator networks. *ACM Transactions on Sensor Networks*, 3(3):13:1–13:??, August 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GSL10] Jie Gao, Radu Sion, and Sol Lederer. Collaborative location certification for sensor networks. *ACM Transactions on Sensor Networks*, 6(4):30:1–30:??, July 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GSW09] Sorabh Gandhi, Subhash Suri, and Emo Welzl. Catching elephants with mice: Sparse sam-

Guha:2012:ALT**Ghadimi:2014:ORL****Girod:2007:ESE****Ghaffarkhah:2014:DNC****Gao:2010:CLC****Gupta:2008:EGC****Gandhi:2009:CEM**

- pling for monitoring sensor networks. *ACM Transactions on Sensor Networks*, 6(1):1:1–1:??, December 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [Hau14]
- Gu:2019:OHB**
- [GTL19] Chaojie Gu, Rui Tan, and Xin Lou. One-hop out-of-band control planes for multi-hop wireless sensor networks. *ACM Transactions on Sensor Networks*, 15(4):40:1–40:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3342100. [HBC+09]
- Gao:2016:NSS**
- [GYNY16] Mingjie Gao, Ka-Fai Cedric Yiu, Sven Nordholm, and Yinyu Ye. On a new SDP–SOCP method for acoustic source localization problem. *ACM Transactions on Sensor Networks*, 12(4):36:1–36:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [HBKP14]
- Guo:2014:DFN**
- [GZZ+14] Shuo Guo, Heng Zhang, Ziguo Zhong, Jiming Chen, Qing Cao, and Tian He. Detecting faulty nodes with data errors for wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(3):40:1–40:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [HBLR05]
- Hauer:2014:LHM**
- Jan-Hinrich Hauer. Leveraging human mobility for communication in body area networks. *ACM Transactions on Sensor Networks*, 10(3):39:1–39:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Hu:2009:DEH**
- Wen Hu, Nirupama Bulusu, Chun Tung Chou, Sanjay Jha, Andrew Taylor, and Van Nghia Tran. Design and evaluation of a hybrid sensor network for cane toad monitoring. *ACM Transactions on Sensor Networks*, 5(1):4:1–4:??, February 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Hariharan:2014:ESF**
- Srikanth Hariharan, Chatschik Bisdikian, Lance M. Kaplan, and Tien Pham. Efficient solutions framework for optimal multitask resource assignments for data fusion in wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(3):48:1–48:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Huang:2005:FFA**
- Qingfeng Huang, Sangeeta Bhattacharya, Chenyang Lu, and Gruia-Catalin Roman. FAR: Face-Aware Routing for multicast in large-scale sensor networks. *ACM Transactions on*

- Sensor Networks*, 1(2):240–271, November 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [HF17]
- Hu:2018:SIC**
- [HBW⁺18] Chuang Hu, Wei Bao, Dan Wang, Yi Qian, Muqiao Zheng, and Shi Wang. sTube+: an IoT communication sharing architecture for smart after-sales maintenance in buildings. *ACM Transactions on Sensor Networks*, 14(3–4):29:1–29:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Hsieh:2015:EBC**
- [HCL15] Hung-Yun Hsieh, Chih-Hua Chang, and Wei-Chih Liao. Not every bit counts: Data-centric resource allocation for correlated data gathering in machine-to-machine wireless networks. *ACM Transactions on Sensor Networks*, 11(2):38:1–38:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Huang:2009:SSF**
- [HCXT09] Pei Huang, Hongyang Chen, Guoliang Xing, and Yongdong Tan. SGF: a state-free gradient-based forwarding protocol for wireless sensor networks. *ACM Transactions on Sensor Networks*, 5(2):14:1–14:??, March 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Han:2017:TTA**
- Yu Han and Yunsi Fei. TARS: a traffic-adaptive receiver-synchronized MAC protocol for underwater sensor networks. *ACM Transactions on Sensor Networks*, 13(4):27:1–27:??, December 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- He:2019:EBS**
- [HKG⁺19] Liang He, Linghe Kong, Yu Gu, Cong Liu, Tian He, and Kang G. Shin. Extending battery system operation via adaptive re-configuration. *ACM Transactions on Sensor Networks*, 15(1):11:1–11:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3284556.
- He:2006:VIS**
- [HKL⁺06] Tian He, Sudha Krishnamurthy, Liqian Luo, Ting Yan, Lin Gu, Radu Stoleru, Gang Zhou, Qing Cao, Pascal Vicaire, John A. Stankovic, Tarek F. Abdelzaher, Jonathan Hui, and Bruce Krogh. VigilNet: an integrated sensor network system for energy-efficient surveillance. *ACM Transactions on Sensor Networks*, 2(1):1–38, February 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- He:2017:ISA**
- [HL17] Bin He and Gang Li. Intelligent self-adaptation data behavior control inspired by speech

- acts. *ACM Transactions on Sensor Networks*, 13(2):13:1–13:??, June 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [HM07b]
- Huang:2007:SPK**
- Dijiang Huang and Deep Medhi. Secure pairwise key establishment in large-scale sensor networks: an area partitioning and multigroup key predistribution approach. *ACM Transactions on Sensor Networks*, 3(3):16:1–16:??, August 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Harb:2017:DBD**
- Hassan Harb, Abdallah Makhoul, David Laiymani, and Ali Jaber. A distance-based data aggregation technique for periodic sensor networks. *ACM Transactions on Sensor Networks*, 13(4):32:1–32:??, December 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [HMLJ17]
- Han:2018:SHO**
- Jun Han, Shijia Pan, Manal Kumar Sinha, Hae Young Noh, Pei Zhang, and Patrick Tague. Smart home occupant identification via sensor fusion across on-object devices. *ACM Transactions on Sensor Networks*, 14(3–4):23:1–23:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [HPS+18]
- Huang:2013:CEA**
- Xiaolong Huang and Izhak Rubin. Capacity- and energy-aware activation of sensor nodes for area phenomenon reproduction using wireless network transport. *ACM Transactions on Sensor Networks*, 9(4):52:1–52:??, [HLN+11]
- Wenbo He, Xue Liu, Hoang Viet Nguyen, Klara Nahrstedt, and Tarek Abdelzaher. PDA: Privacy-preserving data aggregation for information collection. *ACM Transactions on Sensor Networks*, 8(1):6:1–6:??, August 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [HMLJ17]
- He:2011:PPP**
- Chi-Fu Huang, Li-Chu Lo, Yu-Chee Tseng, and Wen-Tsuen Chen. Decentralized energy-conserving and coverage-preserving protocols for wireless sensor networks. *ACM Transactions on Sensor Networks*, 2(2):182–187, May 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [HLTC06]
- Hoang:2006:DEC**
- Anh Tuan Hoang and Mehul Motani. Collaborative broadcasting and compression in cluster-based wireless sensor networks. *ACM Transactions on Sensor Networks*, 3(3):17:1–17:??, August 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [HM07a]
- Hoang:2007:CBC**

July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Hossain:2016:NDM

[HSD16] A. K. M. Mahtab Hossain, Cormac J. Sreenan, and Rodolfo De Paz Alberola. Neighbour-disjoint multipath for low-power and lossy networks. *ACM Transactions on Sensor Networks*, 12(3):23:1–23:??, August 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Hu:2015:SSB

[HSL⁺15] Shaohan Hu, Lu Su, Hengchang Liu, Hongyan Wang, and Tarek F. Abdelzaher. SmartRoad: Smartphone-based crowd sensing for traffic regulator detection and identification. *ACM Transactions on Sensor Networks*, 11(4):55:1–55:??, December 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Hester:2017:RRE

[HSS17] Josiah Hester, Lanny Sitanayah, Timothy Scott, and Jacob Sorber. Realistic and repeatable emulation of energy harvesting environments. *ACM Transactions on Sensor Networks*, 13(2):16:1–16:??, June 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Hu:2010:TTW

[HTC⁺10] Wen Hu, Hailun Tan, Peter Corke, Wen Chan Shih, and Sanjay Jha. Toward trusted wireless

sensor networks. *ACM Transactions on Sensor Networks*, 7(1):5:1–5:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Huang:2007:DPE

[HTW07] Chi-Fu Huang, Yu-Chee Tseng, and Hsiao-Lu Wu. Distributed protocols for ensuring both coverage and connectivity of a wireless sensor network. *ACM Transactions on Sensor Networks*, 3(1):??, March 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Holland:2011:OPL

[HWT⁺11] Matthew Holland, Tianqi Wang, Bulent Tavli, Alireza Seyedi, and Wendi Heinzelman. Optimizing physical-layer parameters for wireless sensor networks. *ACM Transactions on Sensor Networks*, 7(4):28:1–28:??, February 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Hua:2007:ARS

[HY07] Cunqing Hua and Tak-Shing Peter Yum. Asynchronous random sleeping for sensor networks. *ACM Transactions on Sensor Networks*, 3(3):15:1–15:??, August 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

He:2005:FTI

[HZGS05] Guanghui He, Rong Zheng, Indranil Gupta, and Lui Sha. A framework for time indexing in

- sensor networks. *ACM Transactions on Sensor Networks*, 1(1): 101–133, August 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [IPMGL18] **Illiano:2018:DRG** Vittorio P. Illiano, Andrea Paudice, Luis Muñoz-González, and Emil C. Lupu. Determining resilience gains from anomaly detection for event integrity in wireless sensor networks. *ACM Transactions on Sensor Networks*, 14(1):5:1–5:??, March 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [IBS⁺10] **Ingelrest:2010:SAS** François Ingelrest, Guillermo Barrenetxea, Gunnar Schaefer, Martin Vetterli, Olivier Couch, and Marc Parlange. SensorScope: Application-specific sensor network for environmental monitoring. *ACM Transactions on Sensor Networks*, 6(2): 17:1–17:??, February 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [IHGS15] **Iwanicki:2015:BMU** Konrad Iwanicki, Przemyslaw Horban, Piotr Glazar, and Karol Strzelecki. Bringing modern unit testing techniques to sensor-nets. *ACM Transactions on Sensor Networks*, 11(2):25:1–25:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [IIPK20] **Istomin:2020:RFR** Timofei Istomin, Oana Iova, Gian Pietro Picco, and Csaba Kiraly. Route or flood? Reliable and efficient support for downward traffic in RPL. *ACM Transactions on Sensor Networks*, 16(1):1:1–1:41, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3355997>.
- [IR12] **Ilyas:2012:DPA** Muhammad U. Ilyas and Hayder Radha. A dynamic programming approach to maximizing a statistical measure of the lifetime of sensor networks. *ACM Transactions on Sensor Networks*, 8(2):18:1–18:??, March 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [IV12] **Iwanicki:2012:CHR** Konrad Iwanicki and Maarten Van Steen. A case for hierarchical routing in low-power wireless embedded networks. *ACM Transactions on Sensor Networks*, 8(3):25:1–25:??, July 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [IW14] **Ilie:2014:OCA** Adrian Ilie and Greg Welch. Online control of active camera networks for computer vision tasks. *ACM Transactions on Sensor Networks*, 10(2):25:1–25:??, January 2014. CODEN

???? ISSN 1550-4859 (print),
1550-4867 (electronic).

Jellali:2019:BDS

- [JAC19] Zakia Jellali, Leïla Najjar Atallah, and Sofiane Cherif. Bi-dimensional signal compression based on linear prediction coding: Application to WSN. *ACM Transactions on Sensor Networks*, 15(3):29:1–29:??, August 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3317688.

Jeong:2012:PTM

- [JC12] Jaemin Jeong and David Culler. A practical theory of micro-solar power sensor networks. *ACM Transactions on Sensor Networks*, 9(1):9:1–9:??, November 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Jurdak:2013:EEL

- [JCC⁺13] Raja Jurdak, Peter Corke, Alban Cotillon, Dhinesh Dharman, Chris Crossman, and Guillaume Salagnac. Energy-efficient localization: GPS duty cycling with radio ranging. *ACM Transactions on Sensor Networks*, 9(2):23:1–23:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Ji:2013:CBS

- [JHU⁺13] Shouling Ji, Jing (Selena) He, A. Selcuk Uluagac, Raheem

Beyah, and Yingshu Li. Cell-based snapshot and continuous data collection in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(4):47:1–47:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Jafarizadeh:2015:ADL

- [JJ15] Saber Jafarizadeh and Abbas Jamalipour. Adapting distributed LT codes to Y-networks: an abstraction of collection tree in sensor networks. *ACM Transactions on Sensor Networks*, 11(4):54:1–54:??, December 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Jaggi:2008:NOA

- [JKK08] Neeraj Jaggi, Koushik Kar, and Ananth Krishnamurthy. Near-optimal activation policies in rechargeable sensor networks under spatial correlations. *ACM Transactions on Sensor Networks*, 4(3):17:1–17:??, May 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Jurcik:2010:DWC

- [JKS⁺10] Petr Jurcik, Anis Koubâa, Ricardo Severino, Mário Alves, and Eduardo Tovar. Dimensioning and worst-case analysis of cluster-tree sensor networks. *ACM Transactions on Sensor Networks*, 7(2):14:1–14:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- [JLYG13] **Jiang:2013:PMW** Xiaoye Jiang, Mo Li, Yuan Yao, and Leonidas Guibas. Property management in wireless sensor networks with overcomplete radon bases. *ACM Transactions on Sensor Networks*, 9(3):36:1–36:??, May 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [JLZL19] **Jiang:2019:MED** Shiqi Jiang, Zhenjiang Li, Pengfei Zhou, and Mo Li. Memento: an emotion-driven lifelogging system with wearables. *ACM Transactions on Sensor Networks*, 15(1):8:1–8:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3281630.
- [JM16] **Jhumka:2016:NVC** Arshad Jhumka and Luca Motola. Neighborhood view consistency in wireless sensor networks. *ACM Transactions on Sensor Networks*, 12(3):19:1–19:??, August 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [JP06] **Jindal:2006:MSC** Apoorva Jindal and Konstantinos Psounis. Modeling spatially correlated data in sensor networks. *ACM Transactions on Sensor Networks*, 2(4):466–499, November 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [JR08] **Jourdan:2008:OSP** Damien B. Jourdan and Nicholas Roy. Optimal sensor placement for agent localization. *ACM Transactions on Sensor Networks*, 4(3):13:1–13:??, May 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [JROH09] **Jurdak:2009:DBO** Raja Jurdak, Antonio G. Ruzzelli, Gregory M. P. O’hare, and Russell Higgs. Directed broadcast with overhearing for sensor networks. *ACM Transactions on Sensor Networks*, 6(1):3:1–3:??, December 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [JSBN⁺12] **Johnson:2012:MMB** Matthew P. Johnson, Deniz Sariöz, Amotz Bar-Noy, Theodore Brown, Dinesh Verma, and Chai W. Wu. More is more: The benefits of denser sensor deployment. *ACM Transactions on Sensor Networks*, 8(3):22:1–22:??, July 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [JTS09] **Jung:2009:SNL** Deokwoo Jung, Thiago Teixeira, and Andreas Savvides. Sensor node lifetime analysis: Models and tools. *ACM Transactions on Sensor Networks*, 5(1):3:1–3:??, February 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Jia:2019:ORC

- [JZL⁺19] Riheng Jia, Jinbei Zhang, Xiao-Yang Liu, Peng Liu, Luoyi Fu, and Xinbing Wang. Optimal rate control for energy-harvesting systems with random data and energy arrivals. *ACM Transactions on Sensor Networks*, 15(1):13:1–13:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3293535.

Ji:2020:OOP

- [JZX⁺20] Xiaoyu Ji, Xinyan Zhou, Miao Xu, Wenyuan Xu, and Yabo Dong. OPCIO: Optimizing power consumption for embedded devices via GPIO configuration. *ACM Transactions on Sensor Networks*, 16(2):16:1–16:28, April 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3373417>.

Kwon:2013:PES

- [KA13] Youngmin Kwon and Gul Agha. Performance evaluation of sensor networks by statistical modeling and Euclidean model checking. *ACM Transactions on Sensor Networks*, 9(4):39:1–39:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Keller:2013:SNC

- [KAAF13] Lorenzo Keller, Emre Atsan, Katerina Argyraki, and Christina

Fragouli. SenseCode: Network coding for reliable sensor networks. *ACM Transactions on Sensor Networks*, 9(2):25:1–25:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Ko:2010:HNU

- [KAH⁺10] Teresa Ko, Shaun Ahmadian, John Hicks, Mohammad Rahimi, Deborah Estrin, Stefano Soatto, Sharon Coe, and Michael P. Hamilton. Heartbeat of a nest: Using imagers as biological sensors. *ACM Transactions on Sensor Networks*, 6(3):19:1–19:??, June 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Kalpakis:2010:ESA

- [Kal10] Konstantinos Kalpakis. Everywhere sparse approximately optimal minimum energy data gathering and aggregation in sensor networks. *ACM Transactions on Sensor Networks*, 7(1):9:1–9:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Kusy:2014:RDR

- [KAR⁺14] Branislav Kusy, David Abbott, Christian Richter, Cong Huynh, Mikhail Afanasyev, Wen Hu, Michael Brüning, Diethelm Ostry, and Raja Jurdak. Radio diversity for reliable communication in sensor networks. *ACM Transactions on Sensor Networks*, 10(2):32:1–32:??, January 2014. CODEN ???? ISSN 1550-

4859 (print), 1550-4867 (electronic).

Kusy:2010:RDS

- [KAS⁺10] Branislav Kusý, Isaac Amundson, Janos Sallai, Peter Völgyesi, Akos Lédeczi, and Xenofon Koutsoukos. RF Doppler shift-based mobile sensor tracking and navigation. *ACM Transactions on Sensor Networks*, 7(1):1:1–1:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Kulathumani:2009:TDS

- [KASD09] Vinodkrishnan Kulathumani, Anish Arora, Mukundan Sridharan, and Murat Demirbas. Trail: a distance-sensitive sensor network service for distributed object tracking. *ACM Transactions on Sensor Networks*, 5(2):15:1–15:??, March 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Kamal:2013:PLA

- [KBD13] Abu Raihan M. Kamal, Chris Bleakley, and Simon Dobson. Packet-Level Attestation (PLA): a framework for in-network sensor data reliability. *ACM Transactions on Sensor Networks*, 9(2):19:1–19:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Kamal:2014:FDW

- [KBD14] Abu Raihan M. Kamal, Chris J. Bleakley, and Simon Dobson. Failure detection in wireless sensor networks: a sequence-based

dynamic approach. *ACM Transactions on Sensor Networks*, 10(2):35:1–35:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Kulau:2016:IRU

- [KBW16] Ulf Kulau, Felix Büsching, and Lars Wolf. IdealVolting: Reliable undervolting on wireless sensor nodes. *ACM Transactions on Sensor Networks*, 12(2):11:1–11:??, May 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Kapnadak:2014:OND

- [KC14] Vibhav Kapnadak and Edward J. Coyle. Optimal nonuniform deployment of sensors for distributed detection in wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(2):29:1–29:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Karapetyan:2020:MAC

- [KCE⁺20] Areg Karapetyan, Sid Chik Kin Chau, Khaled Elbassioni, Syafiq Kamarul Azman, and Majid Khonji. Multisensor adaptive control system for IoT-empowered smart lighting with oblivious mobile sensors. *ACM Transactions on Sensor Networks*, 16(1):11:1–11:21, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3369392>.

- Kamthe:2013:IWL**
- [KCPC13] Ankur Kamthe, Miguel Á Carreira-Perpiñán, and Alberto E. Cerpa. Improving wireless link simulation using multilevel Markov models. *ACM Transactions on Sensor Networks*, 10(1):17:1–17:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Khalil:2018:SPI**
- [KGBS18] Nacer Khalil, Omprakash Gnawali, Driss Benhaddou, and Jaspal Subhlok. SonicDoor: a person identification system based on modeling of shape, behavior, and walking patterns. *ACM Transactions on Sensor Networks*, 14(3–4):27:1–27:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Krause:2011:RSP**
- [KGGK11] Andreas Krause, Carlos Guestrin, Anupam Gupta, and Jon Kleinberg. Robust sensor placements at informative and communication-efficient locations. *ACM Transactions on Sensor Networks*, 7(4):31:1–31:??, February 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Ko:2015:DRS**
- [KJP⁺15] Jeonggil Ko, Jongsoo Jeong, Jongjun Park, Jong Arm Jun, Omprakash Gnawali, and Jeongyeup Paek. DualMOP-RPL: Supporting multiple modes of downward routing in a single RPL network. *ACM Transactions on Sensor Networks*, 11(2):39:1–39:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Knox:2015:WFI**
- [KK15] D. A. Knox and T. Kunz. Wireless fingerprints inside a wireless sensor network. *ACM Transactions on Sensor Networks*, 11(2):37:1–37:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Karenos:2008:CBC**
- [KKK08] Kyriakos Karenos, Vana Kalogeraki, and Srikanth V. Krishnamurthy. Cluster-based congestion control for sensor networks. *ACM Transactions on Sensor Networks*, 4(1):5:1–5:??, January 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Kansal:2007:RMM**
- [KKP⁺07] Aman Kansal, William Kaiser, Gregory Pottie, Mani Srivastava, and Gaurav Sukhatme. Reconfiguration methods for mobile sensor networks. *ACM Transactions on Sensor Networks*, 3(4):22:1–22:??, October 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Kuppannagari:2018:ODN**
- [KKP18] Sanmukh R. Kuppannagari, Rajgopal Kannan, and Viktor K. Prasanna. Optimal discrete net-load balancing in smart grids

- with high PV penetration. *ACM Transactions on Sensor Networks*, 14(3-4):24:1-24:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Klonowski:2015:MRD**
- [KKRR15] Marek Klonowski, Mirosław Kutylowski, Michał Ren, and Katarzyna Rybarczyk. Mixing in random digraphs with application to the forward-secure key evolution in wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(2):29:1-29:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Khan:2014:TIC**
- [KLA⁺14] Mohammad Maifi Hasan Khan, Hieu Khac Le, Hossein Ahmadi, Tarek F. Abdelzaher, and Jiawei Han. Troubleshooting interactive complexity bugs in wireless sensor networks using data mining techniques. *ACM Transactions on Sensor Networks*, 10(2):31:1-31:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Ko:2013:GSC**
- [KLC13] Ren-Song Ko, Po-Liang Lin, and Pei-Yu Chiang. Gauss-Seidel correction algorithm: a macroscopic model-derived routing algorithm for WSNs. *ACM Transactions on Sensor Networks*, 10(1):9:1-9:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Kim:2016:REE**
- [KLC⁺16] Hyung-Sin Kim, Myung-Sup Lee, Young-June Choi, Jeonggil Ko, and Saewoong Bahk. Reliable and energy-efficient downward packet delivery in asymmetric transmission power-based networks. *ACM Transactions on Sensor Networks*, 12(4):34:1-34:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Kasirajan:2012:NDA**
- [KLJ12] Priya Kasirajan, Carl Larsen, and S. Jagannathan. A new data aggregation scheme via adaptive compression for wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(1):5:1-5:??, November 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Kwon:2010:RLS**
- [KMS⁺10] Youngmin Kwon, Kirill Mechtov, Sameer Sundresh, Wooyoung Kim, and Gul Agha. Resilient localization for sensor networks in outdoor environments. *ACM Transactions on Sensor Networks*, 7(1):3:1-3:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Kuo:2014:CWA**
- [KNSM14] Thomas Kuo, Zefeng Ni, Santhoshkumar Sunderrajan, and B. S. Manjunath. Calibrating a wide-area camera network with non-overlapping views using mobile devices. *ACM Transactions*

- on *Sensor Networks*, 10(2):26:1–26:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [KPCB20]
- [KOD⁺14] Aqeel H. Kazmi, Michael J. O’Grady, Declan T. Delaney, Antonio G. Ruzzelli, and Gregory M. P. O’Hare. A review of wireless-sensor-network-enabled building energy management systems. *ACM Transactions on Sensor Networks*, 10(4):66:1–66:??, June 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [KPK12]
- [Kou18] Ioannis Koukoutsidis. Estimating spatial averages of environmental parameters based on mobile crowdsensing. *ACM Transactions on Sensor Networks*, 14(1):2:1–2:??, March 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [KPRH14]
- [KPB⁺08] Mark D. Krasniewski, Rajesh Krishna Panta, Saurabh Bagchi, Chin-Lung Yang, and William J. Chappell. Energy-efficient on-demand reprogramming of large-scale sensor networks. *ACM Transactions on Sensor Networks*, 4(1):2:1–2:??, January 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [KPS12]
- [Kim:2020:PRJ] Hyung-Sin Kim, Jeongyeup Paek, David E. Culler, and Saewoong Bahk. PC-RPL: Joint control of routing topology and transmission power in real low-power and lossy networks. *ACM Transactions on Sensor Networks*, 16(2):14:1–14:32, April 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3372026>.
- [Karumbu:2012:DOE] Premkumar Karumbu, Venkata K. Prasanthi, and Anurag Kumar. Delay optimal event detection on ad hoc wireless sensor networks. *ACM Transactions on Sensor Networks*, 8(2):12:1–12:??, March 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Karvonen:2014:CLO] Heikki Karvonen, Carlos Pomalaza-Ráez, and Matti Hämäläinen. A cross-layer optimization approach for lower layers of the protocol stack in sensor networks. *ACM Transactions on Sensor Networks*, 11(1):16:1–16:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Kim:2012:LSV] Younghun Kim, Heemin Park, and Mani B. Srivastava. A longitudinal study of vibration-based water flow sensing. *ACM*

Transactions on Sensor Networks, 9(1):8:1–8:??, November 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Karakaya:2012:CEC

[KQ12]

Mahmut Karakaya and Hairong Qi. Coverage estimation for crowded targets in visual sensor networks. *ACM Transactions on Sensor Networks*, 8(3):26:1–26:??, July 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Karakaya:2014:CLV

[KQ14]

Mahmut Karakaya and Hairong Qi. Collaborative localization in visual sensor networks. *ACM Transactions on Sensor Networks*, 10(2):18:1–18:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

King:2018:DCC

[KR18]

Alex King and Utz Roedig. Differentiating clear channel assessment using transmit power variation. *ACM Transactions on Sensor Networks*, 14(2):15:1–15:??, July 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Kho:2009:DCA

[KRJ09]

Johnsen Kho, Alex Rogers, and Nicholas R. Jennings. Decentralized control of adaptive sampling in wireless sensor networks. *ACM Transactions on Sensor Networks*, 5(3):19:1–19:??, May

2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Kumar:2015:GEB

[KRP15]

Dheeraj Kumar, Sutharshan Rajasegarar, and Marimuthu Palaniswami. Geospatial estimation-based auto drift correction in wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(3):50:1–50:??, May 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Kominami:2013:CSO

[KSMH13]

Daichi Kominami, Masashi Sugano, Masayuki Murata, and Takaaki Hatauchi. Controlled and self-organized routing for large-scale wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(1):13:1–13:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Keeler:2011:MFG

[KT11]

Holger P. Keeler and Peter G. Taylor. A model framework for greedy routing in a sensor network with a stochastic power scheme. *ACM Transactions on Sensor Networks*, 7(4):34:1–34:??, February 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Klein:2013:LSA

[KVI⁺13]

Daniel J. Klein, Sriram Venkateswaran, Jason T. Isaacs, Jerry Burman, Tien Pham, João Hespanha,

and Upamanyu Madhow. Localization with sparse acoustic sensor network using UAVs as information-seeking data mules. *ACM Transactions on Sensor Networks*, 9(3):30:1–30:??, May 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Kulkarni:2009:EEM

[KW09] Sandeep Kulkarni and Limin Wang. Energy-efficient multi-hop reprogramming for sensor networks. *ACM Transactions on Sensor Networks*, 5(2):16:1–16:??, March 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Kamat:2009:TPW

[KXTZ09] Pandurang Kamat, Wenyan Xu, Wade Trappe, and Yanyong Zhang. Temporal privacy in wireless sensor networks: Theory and practice. *ACM Transactions on Sensor Networks*, 5(4):28:1–28:??, November 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Kartakis:2017:RSO

[KYM17] Sokratis Kartakis, Shusen Yang, and Julie A. Mccann. Reliability or sustainability: Optimal data stream estimation and scheduling in smart water networks. *ACM Transactions on Sensor Networks*, 13(3):18:1–18:??, September 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

[Lam15]

Theofanis P. Lambrou. Optimized cooperative dynamic coverage in mixed sensor networks. *ACM Transactions on Sensor Networks*, 11(3):46:1–46:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Lambrou:2015:OCD

[LC14a]

Tao Liu and Alberto E. Cerpa. Data-driven link quality prediction using link features. *ACM Transactions on Sensor Networks*, 10(2):37:1–37:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Liu:2014:DDL

[LC14b]

Tao Liu and Alberto E. Cerpa. Temporal adaptive link quality prediction with online learning. *ACM Transactions on Sensor Networks*, 10(3):46:1–46:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Liu:2014:TAL

Ling:2010:APA

[LCC10]

Yibei Ling, Chung-Min Chen, and Shigang Chen. Analysis of power-aware buffering schemes in wireless sensor networks. *ACM Transactions on Sensor Networks*, 7(3):26:1–26:??, September 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- [LCC⁺13] **Lai:2013:MHW** Ted Tsung-Te Lai, Wei-Ju Chen, Yu-Han Tiffany Chen, Polly Huang, and Hao-Hau Chu. Mapping hidden water pipelines using a mobile sensor droplet. *ACM Transactions on Sensor Networks*, 9(2):20:1–20:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LCC⁺17] **Li:2017:AHA** Ji Li, Siyao Cheng, Zhipeng Cai, Jiguo Yu, Chaokun Wang, and Yingshu Li. Approximate holistic aggregation in wireless sensor networks. *ACM Transactions on Sensor Networks*, 13(2):11:1–11:??, June 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LCH⁺09] **Luo:2009:DIE** Liqian Luo, Qing Cao, Chengdu Huang, Lili Wang, Tarek F. Abdelzaher, John A. Stankovic, and Michael Ward. Design, implementation, and evaluation of EnviroMic: a storage-centric audio sensor network. *ACM Transactions on Sensor Networks*, 5(3):22:1–22:??, May 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LCH⁺19a] **Leng:2019:NMM** Quan Leng, Wei-Ju Chen, Pei-Chi Huang, Yi-Hung Wei, Aloysius K. Mok, and Song Han. Network management of multicluster RT-WiFi networks. *ACM Transactions on Sensor Networks*, 15(1):12:1–12:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3283451.
- [LCH⁺19b] **Liu:2019:ECO** Daibo Liu, Zhichao Cao, Yuan He, Xiaoyu Ji, Mengshu Hou, and Hongbo Jiang. Exploiting concurrency for opportunistic forwarding in duty-cycled IoT networks. *ACM Transactions on Sensor Networks*, 15(3):31:1–31:??, August 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3322496.
- [LDC⁺19] **Li:2019:RCF** Lanlan Li, Haipeng Dai, Guihai Chen, Jiaqi Zheng, Wanchun Dou, and Xiaobing Wu. Radiation constrained fair charging for wireless power transfer. *ACM Transactions on Sensor Networks*, 15(2):15:1–15:??, April 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3289182.
- [LDH06] **Law:2006:SBB** Yee Wei Law, Jeroen Doumen, and Pieter Hartel. Survey and benchmark of block ciphers for wireless sensor networks. *ACM Transactions on Sensor Networks*, 2(1):65–93, February

2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LDZ13] Wei Li, Flávia C. Delicato, and Albert Y. Zomaya. Adaptive energy-efficient scheduling for hierarchical wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(3):33:1–33:??, May 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LFL⁺19] Chen Liu, Dingyi Fang, Xinyan Liu, Dan Xu, Xiaojiang Chen, Chieh-Jan Mike Liang, Baoying Liu, and Zhanyong Tang. Low-cost and robust geographic opportunistic routing in a strip topology wireless network. *ACM Transactions on Sensor Networks*, 15(2):24:1–24:??, April 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3309701.
- [LFNS14] Xu Li, Greg Fletcher, Amiya Nayak, and Ivan Stojmenovic. Placing sensors for area coverage in a complex environment by a team of robots. *ACM Transactions on Sensor Networks*, 11(1):3:1–3:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LFS09] Sha Liu, Kai-Wei Fan, and Prasun Sinha. CMAC: an energy-efficient MAC layer protocol using convergent packet forwarding for wireless sensor networks. *ACM Transactions on Sensor Networks*, 5(4):29:1–29:??, November 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LFW⁺19] Xuecheng Liu, Luoyi Fu, Jiliang Wang, Xinbing Wang, and Guihai Chen. Multicast scaling of capacity and energy efficiency in heterogeneous wireless sensor networks. *ACM Transactions on Sensor Networks*, 15(3):33:1–33:??, August 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3322497.
- [LGTL19] Jansen C. Liando, Amalinda Gamage, Agustinus W. Tengourtius, and Mo Li. Known and unknown facts of LoRa: Experiences from a large-scale measurement study. *ACM Transactions on Sensor Networks*, 15(2):16:1–16:??, April 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3293534.
- [LH09] Hyuk Lim and Jennifer C. Hou. Distributed localization

Li:2013:AEE**Liu:2009:CEE****Liu:2019:LCR****Liu:2019:MSC****Liando:2019:KUF****Li:2014:PSA****Lim:2009:DLA**

- for anisotropic sensor networks. *ACM Transactions on Sensor Networks*, 5(2):11:1–11:??, March 2009. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LJY+10] **Lim:2010:RRP**
Jun Bum Lim, Beakcheol Jang, Suyoung Yoon, Mihail L. Sichi-
tiu, and Alexander G. Dean. RaPTEX: Rapid prototyping
tool for embedded communica-
tion systems. *ACM Transac-
tions on Sensor Networks*, 7(1):
7:1–7:??, August 2010. CODEN
???? ISSN 1550-4859 (print),
1550-4867 (electronic).
- [LHRM09] **Lachenmann:2009:MLG**
Andreas Lachenmann, Klaus
Herrmann, Kurt Rothermel, and
Pedro José Marrón. On meet-
ing lifetime goals and provid-
ing constant application qual-
ity. *ACM Transactions on Sen-
sor Networks*, 5(4):36:1–36:??,
November 2009. CODEN ????.
ISSN 1550-4859 (print), 1550-
4867 (electronic).
- [LHX16] **Liu:2016:TMT**
Chin-Jung Liu, Pei Huang, and
Li Xiao. TAS-MAC: a traffic-
adaptive synchronous MAC pro-
tocol for wireless sensor net-
works. *ACM Transactions on
Sensor Networks*, 12(1):1:1–1:??,
March 2016. CODEN ????.
ISSN 1550-4859 (print), 1550-
4867 (electronic).
- [LKA10] **Lee:2010:NLO**
Huang Lee, Abtin Keshavarzian,
and Hamid Aghajan. Near-
lifetime-optimal data collection
in wireless sensor networks via
spatio-temporal load balancing.
*ACM Transactions on Sensor
Networks*, 6(3):26:1–26:??, June
2010. CODEN ????. ISSN 1550-
4859 (print), 1550-4867 (elec-
tronic).
- [LJLW19] **Liu:2019:ROA**
Yang Liu, Yonghang Jiang,
Zhenjiang Li, and Jianping
Wang. Rulers on our arms: Wav-
ing to measure object
size through contactless sens-
ing. *ACM Transactions on
Sensor Networks*, 15(1):14:1–
14:??, February 2019. CO-
DEN ????. ISSN 1550-4859
(print), 1550-4867 (electronic).
URL [https://dl.acm.org/ft_](https://dl.acm.org/ft_gateway.cfm?id=3289183)
[gateway.cfm?id=3289183](https://dl.acm.org/ft_gateway.cfm?id=3289183).
- [LL09] **Li:2009:UCM**
Mo Li and Yunhao Liu. Un-
derground coal mine monitor-
ing with wireless sensor net-
works. *ACM Transactions
on Sensor Networks*, 5(2):10:1–
10:??, March 2009. CODEN ????.
ISSN 1550-4859 (print), 1550-
4867 (electronic).

Li:2016:TLL

- [LL16] Yimei Li and Yao Liang. Temporal lossless and lossy compression in wireless sensor networks. *ACM Transactions on Sensor Networks*, 12(4):37:1–37:??, November 2016. CODEN ????, ISSN 1550-4859 (print), 1550-4867 (electronic).

Li:2014:TEF

- [LLL14] Zhenjiang Li, Mo Li, and Yunhao Liu. Towards energy-fairness in asynchronous duty-cycling sensor networks. *ACM Transactions on Sensor Networks*, 10(3):38:1–38:??, April 2014. CODEN ????, ISSN 1550-4859 (print), 1550-4867 (electronic).

Li:2014:FOT

- [LLX⁺14] Huan Li, Dong Liang, Lihui Xie, Gong Zhang, and Krithi Ramamritham. Flash-optimized temporal indexing for time-series data storage on sensor platforms. *ACM Transactions on Sensor Networks*, 10(4):62:1–62:??, June 2014. CODEN ????, ISSN 1550-4859 (print), 1550-4867 (electronic).

Langendoen:2010:AMPa

- [LM10a] Koen Langendoen and Andreas Meier. Analyzing MAC protocols for low data-rate applications. *ACM Transactions on Sensor Networks*, 7(1):10:1–10:??, August 2010. CODEN ????, ISSN 1550-4859 (print), 1550-4867 (electronic).

Langendoen:2010:AMPb

- [LM10b] Koen Langendoen and Andreas Meier. Analyzing MAC protocols for low data-rate applications. *ACM Transactions on Sensor Networks*, 7(2):19:1–19:??, August 2010. CODEN ????, ISSN 1550-4859 (print), 1550-4867 (electronic).

Laoudias:2014:FFT

- [LMP14] Christos Laoudias, Michalis P. Michaelides, and Christos G. Panayiotou. ftTRACK: Fault-tolerant target tracking in binary sensor networks. *ACM Transactions on Sensor Networks*, 10(4):64:1–64:??, June 2014. CODEN ????, ISSN 1550-4859 (print), 1550-4867 (electronic).

Lin:2016:AAT

- [LMZ⁺16] Shan Lin, Fei Miao, Jingbin Zhang, Gang Zhou, Lin Gu, Tian He, John A. Stankovic, Sang Son, and George J. Pappas. ATPC: Adaptive transmission power control for wireless sensor networks. *ACM Transactions on Sensor Networks*, 12(1):6:1–6:??, March 2016. CODEN ????, ISSN 1550-4859 (print), 1550-4867 (electronic).

Liu:2005:IKP

- [LN05] Donggang Liu and Peng Ning. Improving key predistribution with deployment knowledge in static sensor networks. *ACM Transactions on Sensor Networks*, 1(2):204–239, November 2005. CODEN ????, ISSN 1550-

4859 (print), 1550-4867 (electronic).

Liu:2008:GBK

- [LND08] Donggang Liu, Peng Ning, and Wenliang Du. Group-based key predistribution for wireless sensor networks. *ACM Transactions on Sensor Networks*, 4(2):11:1–11:??, March 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [LP08]

Ledeczi:2005:CSU

- [LNV+05] Ákos Lédeczi, András Nádas, Péter Völgyesi, György Balogh, Branislav Kusy, János Sallai, Gábor Pap, Sebestyén Dóra, Károly Molnár, Miklós Maróti, and Gyula Simon. Counter-sniper system for urban warfare. *ACM Transactions on Sensor Networks*, 1(2):153–177, November 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [LPR09]

Lazos:2005:SRL

- [LP05] Loukas Lazos and Radha Pooven-**dran**. SeRLoc: Robust localization for wireless sensor networks. *ACM Transactions on Sensor Networks*, 1(1):73–100, August 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [LPV+09]

Lazos:2006:SCH

- [LP06] Loukas Lazos and Radha Pooven-**dran**. Stochastic coverage in heterogeneous sensor networks. *ACM Transactions on Sensor Networks*, 2(3):325–358, August [LR05]

2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Lai:2008:OBE

Wei Lai and Ioannis C. Paschalidis. Optimally balancing energy consumption versus latency in sensor network routing. *ACM Transactions on Sensor Networks*, 4(4):21:1–21:??, August 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Lazos:2009:AET

Loukas Lazos, Radha Pooven-**dran**, and James A. Ritcey. Analytic evaluation of target detection in heterogeneous wireless sensor networks. *ACM Transactions on Sensor Networks*, 5(2):18:1–18:??, March 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Law:2009:EEL

Yee Wei Law, Marimuthu Palaniswami, Lodewijk Van Hoesel, Jeroen Doumen, Pieter Hartel, and Paul Havinga. Energy-efficient link-layer jamming attacks against wireless sensor network MAC protocols. *ACM Transactions on Sensor Networks*, 5(1):6:1–6:??, February 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Li:2005:NPS

Qun Li and Daniela Rus. Navigation protocols in sensor net-

- works. *ACM Transactions on Sensor Networks*, 1(1):3–35, August 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LTY18] **Li:2018:NTP**
Yang Li, Rui Tan, and David K. Y. Yau. Natural times-tamps in powerline electromagnetic radiation. *ACM Transactions on Sensor Networks*, 14(2):13:1–13:??, July 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LS10] **Liaskovitis:2010:LRS**
Periklis G. Liaskovitis and Curt Schurgers. Leveraging redundancy in sampling-interpolation applications for sensor networks: a spectral approach. *ACM Transactions on Sensor Networks*, 7(2):12:1–12:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LWCJ14] **Liu:2014:DAF**
Hongbo Liu, Hui Wang, Yingying Chen, and Dayong Jia. Defending against frequency-based attacks on distributed data storage in wireless networks. *ACM Transactions on Sensor Networks*, 10(3):49:1–49:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LSW06] **Li:2006:LTC**
Xiang-Yang Li, Wen-Zhan Song, and Yu Wang. Localized topology control for heterogeneous wireless sensor networks. *ACM Transactions on Sensor Networks*, 2(1):129–153, February 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LWG09] **Lederer:2009:CBL**
Sol Lederer, Yue Wang, and Jie Gao. Connectivity-based localization of large-scale sensor networks with complex shape. *ACM Transactions on Sensor Networks*, 5(4):31:1–31:??, November 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LSW14] **Lu:2014:SBH**
Jiakang Lu, Yamina Taskin Shams, and Kamin Whitehouse. Smart blueprints: How simple sensors can collaboratively map out their own locations in the home. *ACM Transactions on Sensor Networks*, 11(1):19:1–19:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LWH⁺06] **Liu:2006:ORT**
Xue Liu, Qixin Wang, Wenbo He, Marco Caccamo, and Lui Sha. Optimal real-time sampling rate assignment for wireless sensor networks. *ACM Transactions on Sensor Networks*, 2(2):263–295, May 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Liang:2012:DSE

- [LWSL12] Jinling Liang, Zidong Wang, Bo Shen, and Xiaohui Liu. Distributed state estimation in sensor networks with randomly occurring nonlinearities subject to time delays. *ACM Transactions on Sensor Networks*, 9(1):4:1–4:??, November 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Liang:2016:MLS

- [LXR⁺16] Weifa Liang, Wenzheng Xu, Xiaojiang Ren, Xiaohua Jia, and Xiaola Lin. Maintaining large-scale rechargeable sensor networks perpetually via multiple mobile charging vehicles. *ACM Transactions on Sensor Networks*, 12(2):14:1–14:??, May 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Li:2013:SAH

- [LYG⁺13] Ming Li, Shucheng Yu, Joshua D. Guttman, Wenjing Lou, and Kui Ren. Secure ad hoc trust initialization and key management in wireless body area networks. *ACM Transactions on Sensor Networks*, 9(2):18:1–18:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Lin:2015:TSN

- [LZAH⁺15] Shan Lin, Gang Zhou, Mo'taz Al-Hami, Kamin Whitehouse, Yafeng Wu, John A. Stankovic, Tian He, Xiaobing Wu, and

Hengchang Liu. Toward stable network performance in wireless sensor networks: a multilevel perspective. *ACM Transactions on Sensor Networks*, 11(3):42:1–42:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Liu:2019:GFS

- [LZN19] Yunhuai Liu, Qian Zhang, and Lionel Ni. A general framework for spectrum sensing using dedicated spectrum sensor networks. *ACM Transactions on Sensor Networks*, 15(1):7:1–7:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3275244.

Li:2015:IGS

- [LZZ⁺15] Mo Li, Pengfei Zhou, Yuanqing Zheng, Zhenjiang Li, and Guobin Shen. IODetector: a generic service for indoor/outdoor detection. *ACM Transactions on Sensor Networks*, 11(2):28:1–28:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Munishwar:2013:CAV

- [MAG13] Vikram P. Munishwar and Nael B. Abu-Ghazaleh. Coverage algorithms for visual sensor networks. *ACM Transactions on Sensor Networks*, 9(4):45:1–45:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- Maierbacher:2009:LCC**
- [MB09] Gerhard Maierbacher and João Barros. Low-complexity coding and source-optimized clustering for large-scale sensor networks. *ACM Transactions on Sensor Networks*, 5(3):24:1–24:??, May 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Midi:2016:NLF**
- [MB16] Daniele Midi and Elisa Bertino. Node or link? Fine-grained analysis of packet-loss attacks in wireless sensor networks. *ACM Transactions on Sensor Networks*, 12(2):8:1–8:??, May 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Ma:2020:QST**
- [MCLM20] Qiang Ma, Zhichao Cao, Kebin Liu, and Xin Miao. QA-Share: Toward an efficient QoS-aware dispatching approach for urban taxi-sharing. *ACM Transactions on Sensor Networks*, 16(2):17:1–17:21, April 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3375406>.
- Mavrinac:2014:CQS**
- [MCT14] Aaron Mavrinac, Xiang Chen, and Yonghong Tan. Coverage quality and smoothness criteria for online view selection in a multi-camera network. *ACM Transactions on Sensor Networks*, 10(2):33:1–33:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Moran:2016:BMS**
- [MCW⁺16] Bill Moran, Fred Cohen, Zengfu Wang, Sofia Suvorova, Douglas Cochran, Tom Taylor, Peter Farrell, and Stephen Howard. Bounds on multiple sensor fusion. *ACM Transactions on Sensor Networks*, 12(2):16:1–16:??, May 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Mathur:2009:ULP**
- [MDC⁺09] Gaurav Mathur, Peter Desnoyers, Paul Chukiu, Deepak Ganesan, and Prashant Shenoy. Ultra-low power data storage for sensor networks. *ACM Transactions on Sensor Networks*, 5(4):33:1–33:??, November 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Mohammad:2017:IPS**
- [MDC17] Mobashir Mohammad, Manjunath Doddavenkatappa, and Mun Choon Chan. Improving performance of synchronous transmission-based protocols using capture effect over multi-channels. *ACM Transactions on Sensor Networks*, 13(2):10:1–10:??, June 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Majid:2020:DTB**
- [MDM⁺20] Amjad Yousef Majid, Carlo Delle Donne, Kiwan Maeng, Alexei

- Colin, Kasim Sinan Yildirim, Brandon Lucia, and Przemysław Pawełczak. Dynamic task-based intermittent execution for energy-harvesting devices. *ACM Transactions on Sensor Networks*, 16(1):5:1–5:24, February 2020. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3360285>.
- [MJS⁺19] Chenglin Miao, Wenjun Jiang, Lu Su, Yaliang Li, Suxin Guo, Zhan Qin, Houping Xiao, Jing Gao, and Kui Ren. Privacy-preserving truth discovery in crowd sensing systems. *ACM Transactions on Sensor Networks*, 15(1):9:1–9:??, February 2019. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3277505.
- [MGS⁺15] Robert Margolies, Maria Gorlatova, John Sarik, Gerald Stanje, Jianxun Zhu, Paul Miller, Marcin Szczodrak, Baradwaj Vignraham, Luca Carloni, Peter Kinget, Ioannis Kymissis, and Gil Zussman. Energy-Harvesting Active Networked Tags (EnHANTs): Prototyping and experimentation. *ACM Transactions on Sensor Networks*, 11(4):62:1–62:??, December 2015. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [MGS⁺19] Di Mu, Yunpeng Ge, Mo Sha, Steve Paul, Niranjan Ravichandra, and Souma Chowdhury. Robust optimal selection of radio type and transmission power for Internet of Things. *ACM Transactions on Sensor Networks*, 15(4):39:1–39:??, October 2019. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3342516.
- [MKK⁺13] Prasant Misra, Navinda Kottege, Branislav Kusy, Diethelm Ostry, and Sanjay Jha. Acoustical ranging techniques in embedded wireless sensor networked devices. *ACM Transactions on Sensor Networks*, 10(1):15:1–15:??, November 2013. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [MNLZ18] Frank Mokaya, Hae Young Noh, Roland Lucas, and Pei Zhang. MyoVibe: Enabling inertial sensor-based muscle activation detection in high-mobility exercise environments. *ACM Transactions on Sensor Networks*, 14(1):6:1–6:??, March 2018. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [MP10] Chris Miller and Christian Poellabauer. Reliable and efficient reprogramming in sensor

Miao:2019:PPT**Margolies:2015:EHA****Misra:2013:ART****Mokaya:2018:MEI****Mu:2019:ROS****Miller:2010:RER**

networks. *ACM Transactions on Sensor Networks*, 7(1):6:1–6:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [MRM09]

Mottola:2010:AWS

[MPC⁺10] Luca Mottola, Gian Pietro Picco, Matteo Ceriotti, Ștefan Gună, and Amy L. Murphy. Not all wireless sensor networks are created equal: a comparative study on tunnels. *ACM Transactions on Sensor Networks*, 7(2):15:1–15:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Minakov:2016:CSR

[MPRS16] Ivan Minakov, Roberto Passerone, Alessandra Rizzardì, and Sabrina Sicari. A comparative study of recent wireless sensor network simulators. *ACM Transactions on Sensor Networks*, 12(3):20:1–20:??, August 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [MS12]

Martin:2010:KPH

[MPS10] Keith M. Martin, Maura B. Paterson, and Douglas R. Stinson. Key predistribution for homogeneous wireless sensor networks with group deployment of nodes. *ACM Transactions on Sensor Networks*, 7(2):11:1–11:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Manohar:2009:PCS

Pallavi Manohar, S. Sundhar Ram, and D. Manjunath. Path coverage by a sensor field: The nonhomogeneous case. *ACM Transactions on Sensor Networks*, 5(2):17:1–17:??, March 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Manulis:2009:SMF

[MS09] Mark Manulis and Jörg Schwenk. Security model and framework for information aggregation in sensor networks. *ACM Transactions on Sensor Networks*, 5(2):13:1–13:??, March 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Misra:2012:LPB

Sudip Misra and Sweta Singh. Localized policy-based target tracking using wireless sensor networks. *ACM Transactions on Sensor Networks*, 8(3):27:1–27:??, July 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Movassaghi:2018:OSA

[MSAJ18] Samaneh Movassaghi, David B. Smith, Mehran Abolhasan, and Abbas Jamalipour. Opportunistic spectrum allocation for interference mitigation amongst coexisting wireless body area networks. *ACM Transactions on Sensor Networks*, 14(2):7:1–7:??, July 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- Midi:2017:SRP**
- [MSB17] Daniele Midi, Salmin Sultana, and Elisa Bertino. A system for response and prevention of security incidents in wireless sensor networks. *ACM Transactions on Sensor Networks*, 13(1):1:1–1:??, February 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Malan:2008:IPK**
- [MWS08] David J. Malan, Matt Welsh, and Michael D. Smith. Implementing public-key infrastructure for sensor networks. *ACM Transactions on Sensor Networks*, 4(4):22:1–22:??, August 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Ma:2019:FCS**
- [MZW⁺19] Zhi Ma, Sheng Zhang, Jie Wu, Zhuzhong Qian, Yanchao Zhao, and Sanglu Lu. Fast charging scheduling under the nonlinear superposition model with adjustable phases. *ACM Transactions on Sensor Networks*, 15(4):48:1–48:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3356342.
- Machado:2010:CPC**
- [MZWT10] Renita Machado, Wensheng Zhang, Guiling Wang, and Sirin Tekinay. Coverage properties of clustered wireless sensor networks. *ACM Transactions on Sensor Networks*, 7(2):13:1–13:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Ning:2010:DST**
- [NC10] Xu Ning and Christos G. Cassandras. Dynamic sleep time control in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(3):21:1–21:??, June 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Nordio:2010:IQE**
- [NCV10] Alessandro Nordio, Carla-Fabiana Chiasserini, and Emanuele Viterbo. The impact of quasi-equally spaced sensor topologies on signal reconstruction. *ACM Transactions on Sensor Networks*, 6(2):11:1–11:??, February 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Noshadi:2013:BOD**
- [NDM⁺13] Hyduke Noshadi, Foad Dabiri, Saro Meguerdichian, Miodrag Potkonjak, and Majid Sarrafzadeh. Behavior-oriented data resource management in medical sensing systems. *ACM Transactions on Sensor Networks*, 9(2):12:1–12:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Nath:2012:TAH**
- [NEKK12] Swaprava Nath, Venkatesan N. Ekambaram, Anurag Kumar,

and P. Vijay Kumar. Theory and algorithms for hop-count-based localization with random geometric graph models of dense sensor networks. *ACM Transactions on Sensor Networks*, 8(4):35:1–35:??, September 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Nabi:2014:ECM

[NGBB14] Majid Nabi, Marc Geilen, Twan Basten, and Milos Blagojevic. Efficient cluster mobility support for TDMA-based MAC protocols in wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(4):65:1–65:??, June 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Nath:2008:SDR

[NGSA08] Suman Nath, Phillip B. Gibbons, Srinivasan Seshan, and Zachary Anderson. Synopsis diffusion for robust aggregation in sensor networks. *ACM Transactions on Sensor Networks*, 4(2):7:1–7:??, March 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Nguyen:2005:KBL

[NJS05] Xuanlong Nguyen, Michael I. Jordan, and Bruno Sinopoli. A kernel-based learning approach to ad hoc sensor network localization. *ACM Transactions on Sensor Networks*, 1(1):134–152, August 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

[NJZ18]

Hae Young Noh, Xiaofan (Fred) Jiang, and Pei Zhang. Introduction to the special issue on BuildSys'17. *ACM Transactions on Sensor Networks*, 14(3–4):16:1–16:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Noh:2018:ISI

Nguyen:2014:CMF

[NK14]

Diep N. Nguyen and Marwan Krunz. A cooperative MIMO framework for wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(3):43:1–43:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Naveen:2015:RSC

[NK15]

K. P. Naveen and Anurag Kumar. Relay selection with channel probing in sleep-wake cycling wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(3):52:1–52:??, May 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Ning:2008:MAA

[NLD08]

Peng Ning, An Liu, and Wenliang Du. Mitigating DoS attacks against broadcast authentication in wireless sensor networks. *ACM Transactions on Sensor Networks*, 4(1):1:1–1:??, January 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- [NLH⁺19] **Niu:2019:REA** Qun Niu, Mingkuan Li, Suining He, Chengying Gao, S. H. Gary Chan, and Xiaonan Luo. Resource-efficient and automated image-based indoor localization. *ACM Transactions on Sensor Networks*, 15(2):19:1–19:??, April 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3284555.
- [NP12] **Ni:2012:SND** Kevin Ni and Greg Pottie. Sensor network data fault detection with maximum a posteriori selection and Bayesian modeling. *ACM Transactions on Sensor Networks*, 8(3):23:1–23:??, July 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [NRC⁺09] **Ni:2009:SND** Kevin Ni, Nithya Ramanathan, Mohamed Nabil Hajj Chehade, Laura Balzano, Sheela Nair, Sadaf Zahedi, Eddie Kohler, Greg Pottie, Mark Hansen, and Mani Srivastava. Sensor network data fault types. *ACM Transactions on Sensor Networks*, 5(3):25:1–25:??, May 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [NZLH15] **Nguyen:2015:GEE** Nam Tuan Nguyen, Rong Zheng, Jie Liu, and Zhu Han. GreenLocs: an energy-efficient indoor place identification framework. *ACM Transactions on Sensor Networks*, 11(3):43:1–43:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [NZR10] **Ni:2010:DRS** Jinfeng Ni, Li Zhou, and Chinya V. Ravishankar. Dealing with random and selective attacks in wireless sensor systems. *ACM Transactions on Sensor Networks*, 6(2):15:1–15:??, February 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [OBB⁺13] **Odonovan:2013:GSW** Tony O’donovan, James Brown, Felix Büsching, Alberto Cardoso, José Cecílio, Jose Do Ó, Pedro Furtado, Paulo Gil, Anja Jugel, Wolf-Bastian Pöttner, Utz Roedig, Jorge Sá Silva, Ricardo Silva, Cormac J. Sreenan, Vasos Vassiliou, Thiemo Voigt, Lars Wolf, and Zinon Zinonos. The GINSENG system for wireless monitoring and control: Design and deployment experiences. *ACM Transactions on Sensor Networks*, 10(1):4:1–4:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [ODCP13] **Oller:2013:DDP** Joaquim Oller, Ilker Demirkol, Jordi Casademont, and Josep Paradells. Design, development, and performance evaluation of a low-cost, low-power wake-up radio system for wireless sensor

networks. *ACM Transactions on Sensor Networks*, 10(1):11:1–11:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Osborne:2012:RTI

[ORRJ12] Michael A. Osborne, Stephen J. Roberts, Alex Rogers, and Nicholas R. Jennings. Real-time information processing of environmental sensor network data using Bayesian Gaussian processes. *ACM Transactions on Sensor Networks*, 9(1):1:1–1:??, November 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Prabh:2005:ECD

[PA05] K. Shashi Prabh and Tarek F. Abdelzaher. Energy-conserving data cache placement in sensor networks. *ACM Transactions on Sensor Networks*, 1(2):178–203, November 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Panta:2011:EIC

[PBM11] Rajesh Krishna Panta, Saurabh Bagchi, and Samuel P. Midkiff. Efficient incremental code update for sensor networks. *ACM Transactions on Sensor Networks*, 7(4):30:1–30:??, February 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Paschalidis:2010:SAD

[PC10] Ioannis Ch. Paschalidis and Yin Chen. Statistical anomaly detec-

tion with sensor networks. *ACM Transactions on Sensor Networks*, 7(2):17:1–17:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Premnath:2014:EHR

[PCPK14] Sriram Nandha Premnath, Jessica Croft, Neal Patwari, and Sneha Kumar Kasera. Efficient high-rate secret key extraction in wireless sensor networks using collaboration. *ACM Transactions on Sensor Networks*, 11(1):2:1–2:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Porter:2013:MSE

[PCR13] Barry Porter, Geoff Coulson, and Utz Roedig. Managing software evolution in large-scale wireless sensor and actuator networks. *ACM Transactions on Sensor Networks*, 9(4):54:1–54:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Padhy:2010:UBA

[PDMJ10] Paritosh Padhy, Rajdeep K. Dash, Kirk Martinez, and Nicholas R. Jennings. A utility-based adaptive sensing and multihop communication protocol for wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(3):27:1–27:??, June 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Penil:2017:HLD

- [PDP⁺17] Pablo Peñil, Alvaro Díaz, Hector Posadas, Julio Medina, and Pablo Sánchez. High-level design of wireless sensor networks for performance optimization under security hazards. *ACM Transactions on Sensor Networks*, 13(3):19:1–19:??, September 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Park:2013:DCO

- [PEFSV13] Pangun Park, Sinem Coleri Ergen, Carlo Fischione, and Alberto Sangiovanni-Vincentelli. Duty-cycle optimization for IEEE 802.15.4 wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(1):12:1–12:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Park:2013:MSA

- [PFJ13] Pangun Park, Carlo Fischione, and Karl Henrik Johansson. Modeling and stability analysis of hybrid multiple access in the IEEE 802.15.4 protocol. *ACM Transactions on Sensor Networks*, 9(2):13:1–13:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Paschalidis:2009:RDS

- [PG09] Ioannis Ch. Paschalidis and Dong Guo. Robust and distributed stochastic localization in sensor networks: Theory and experimental results. *ACM*

Transactions on Sensor Networks, 5(4):34:1–34:??, November 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Paek:2010:RRC

- [PG10] Jeongyeup Paek and Ramesh Govindan. RCRT: Rate-controlled reliable transport protocol for wireless sensor networks. *ACM Transactions on Sensor Networks*, 7(3):20:1–20:??, September 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Paek:2010:TAT

- [PGG⁺10] Jeongyeup Paek, Ben Greenstein, Omprakash Gnawali, Ki-Young Jang, August Joki, Marcos Vieira, John Hicks, Deborah Estrin, Ramesh Govindan, and Eddie Kohler. The Tenet architecture for tiered sensor networks. *ACM Transactions on Sensor Networks*, 6(4):34:1–34:??, July 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Puccinelli:2010:RDD

- [PH10] Daniele Puccinelli and Martin Haenggi. Reliable data delivery in large-scale low-power sensor networks. *ACM Transactions on Sensor Networks*, 6(4):28:1–28:??, July 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Pham:2016:QLR

- [Pha16] Congduc Pham. QoS for long-range wireless sensors under duty-cycle regulations with shared activity time usage. *ACM Transactions on Sensor Networks*, 12(4):33:1–33:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Park:2017:ESN

- [PHKK17] Yongtae Park, Jihun Ha, Hyogon Kim, and Jeonggil Ko. Enabling sensor network to Smartphone interaction using software radios. *ACM Transactions on Sensor Networks*, 13(1):2:1–2:??, February 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Pal:2019:WFD

- [PK19] Amitangshu Pal and Krishna Kant. Water flow driven sensor networks for leakage and contamination monitoring in distribution pipelines. *ACM Transactions on Sensor Networks*, 15(4):37:1–37:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3342513.

Pal:2020:SSC

- [PK20] Amitangshu Pal and Krishna Kant. Smart sensing, communication, and control in perishable food supply chain. *ACM Transactions on Sensor Networks*, 16(1):12:1–12:41, February 2020.

CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3360726>.

Pannuto:2018:HUW

- [PKC+18] Pat Pannuto, Benjamin Kempke, Li-Xuan Chuo, David Blaauw, and Prabal Dutta. Harmonium: Ultra wideband pulse generation with bandstitched recovery for fast, accurate, and robust indoor localization. *ACM Transactions on Sensor Networks*, 14(2):11:1–11:??, July 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Pattam:2008:ISC

- [PKG08] Sundeep Pattam, Bhaskar Krishnamachari, and Ramesh Govindan. The impact of spatial correlation on routing with compression in wireless sensor networks. *ACM Transactions on Sensor Networks*, 4(4):24:1–24:??, August 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Pietro:2012:SHU

- [PMST12] Roberto Di Pietro, Di Ma, Claudio Soriente, and Gene Tsudik. Self-healing in unattended wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(1):7:1–7:??, November 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- [PPM15] **Panigrahi:2015:ESN** Trilochan Panigrahi, Ganapati Panda, and Bernard Mulgrew. Error saturation nonlinearities for robust incremental LMS over wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(2):27:1–27:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [PR10] **Peleg:2010:LSC** David Peleg and Liam Roditty. Localized spanner construction for ad hoc networks with variable transmission range. *ACM Transactions on Sensor Networks*, 7(3):25:1–25:??, September 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [PS17] **Peyravi:2017:LMD** Hassan Peyravi and Rahul Sehgal. Link modeling and delay analysis in networks with disruptive links. *ACM Transactions on Sensor Networks*, 13(4):31:1–31:??, December 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [PSB⁺14] **Pottner:2014:CST** Wolf-Bastian Pöttner, Hans Seidel, James Brown, Utz Roedig, and Lars Wolf. Constructing schedules for time-critical data delivery in wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(3):44:1–44:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [PTDD16] **Perazzo:2016:SPW** Pericle Perazzo, Lorenzo Taponecco, Antonio A. D’amico, and Gianluca Dini. Secure positioning in wireless sensor networks through enlargement miscontrol detection. *ACM Transactions on Sensor Networks*, 12(4):27:1–27:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [PX13] **Pongaliur:2013:SNS** Kanthakumar Pongaliur and Li Xiao. Sensor node source privacy and packet recovery under eavesdropping and node compromise attacks. *ACM Transactions on Sensor Networks*, 9(4):50:1–50:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [QM13] **Qin:2013:MUA** Fei Qin and John E. Mitchell. AS-MAC: Utilizing the adaptive spreading code length for wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(1):1:1–1:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RBD13] **Razzaque:2013:CWS** M. A. Razzaque, Chris Bleakley, and Simon Dobson. Compression in wireless sensor networks: a survey and comparative evaluation. *ACM Transactions on Sensor Networks*, 10(1):5:1–5:??, November 2013. CODEN

- ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RBLP09] Sutharshan Rajasegarar, James C. Bezdek, Christopher Leckie, and Marimuthu Palaniswami. Elliptical anomalies in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(1):7:1–7:??, December 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RDR07] **Rajasegarar:2009:EAW** Iyappan Ramachandran, Arindam K. Das, and Sumit Roy. Analysis of the contention access period of IEEE 802.15.4 MAC. *ACM Transactions on Sensor Networks*, 3(1):??, March 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RFB⁺14] **Rathore:2016:CAS** Heena Rathore, Venkataramana Badarla, and Supratim Shit. Consensus-aware sociopsychological trust model for wireless sensor networks. *ACM Transactions on Sensor Networks*, 12(3):21:1–21:??, August 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RFS⁺19] **Ramos:2014:TRM** Heitor S. Ramos, Alejandro C. Frery, Azzedine Boukerche, Eduardo M. R. Oliveira, and Antonio A. F. Loureiro. Topology-related metrics and applications for the design and operation of wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(3):53:1–53:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RD16] **Restuccia:2016:OLS** Francesco Restuccia and Sajal K. Das. Optimizing the lifetime of sensor networks with uncontrollable mobile sinks and QoS constraints. *ACM Transactions on Sensor Networks*, 12(1):2:1–2:??, March 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RDP16] **Restuccia:2016:IMP** Francesco Restuccia, Sajal K. Das, and Jamie Payton. Incentive mechanisms for participatory sensing: Survey and research challenges. *ACM Transactions on Sensor Networks*, 12(2):13:1–13:??, May 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RFS⁺19] **Restuccia:2019:FFO** Francesco Restuccia, Pierluca Ferraro, Timothy S. Sanders, Simone Silvestri, Sajal K. Das, and Giuseppe Lo Re. FIRST: a framework for optimizing information quality in mobile crowd-sensing systems. *ACM Transactions on Sensor Networks*, 15(1):5:1–5:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3267105.

- [RGB⁺17] **Restuccia:2017:QIM**
 Francesco Restuccia, Nirnay Ghosh, Shameek Bhattacharjee, Sajal K. Das, and Tommaso Melodia. Quality of information in mobile crowdsensing: Survey and research challenges. *ACM Transactions on Sensor Networks*, 13(4):34:1–34:??, December 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RHD17] **Razzaque:2017:QBA**
 M. A. Razzaque, Muta Tah Hira, and Mukta Dira. QoS in body area networks: a survey. *ACM Transactions on Sensor Networks*, 13(3):25:1–25:??, September 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RHS20] **Renner:2020:AIL**
 Bernd-Christian Renner, Jan Heitmann, and Fabian Steinmetz. ahoi: Inexpensive, low-power communication and localization for underwater sensor networks and μ AUVs. *ACM Transactions on Sensor Networks*, 16(2):18:1–18:46, April 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3376921>.
- [RJI⁺10] **Rowaihy:2010:SMA**
 Hosam Rowaihy, Matthew P. Johnson, Ou Liu, Amotz Bar-Noy, Theodore Brown, and Thomas La Porta. Sensor-assignment in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(4):36:1–36:??, July 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RKJ09] **Rajamani:2009:IGA**
 Vasanth Rajamani, Sanem Kabadayi, and Christine Julien. An interrelational grouping abstraction for heterogeneous sensors. *ACM Transactions on Sensor Networks*, 5(3):27:1–27:??, May 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RKRP17] **Rathore:2017:MEB**
 Punit Rathore, Dheeraj Kumar, Sutharshan Rajasegarar, and Marimuthu Palaniswami. Maximum entropy-based auto drift correction using high- and low-precision sensors. *ACM Transactions on Sensor Networks*, 13(3):24:1–24:??, September 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RKW⁺06] **Ramachandran:2006:DDF**
 Umakishore Ramachandran, Rajnish Kumar, Matthew Wolenetz, Brian Cooper, Bikash Aggarwalla, Junsuk Shin, Phillip Hutto, and Arnab Paul. Dynamic data fusion for future sensor networks. *ACM Transactions on Sensor Networks*, 2(3):404–443, August 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- [RMB⁺10] **Reddy:2010:UMP** Sasank Reddy, Min Mun, Jeff Burke, Deborah Estrin, Mark Hansen, and Mani Srivastava. Using mobile phones to determine transportation modes. *ACM Transactions on Sensor Networks*, 6(2):13:1–13:??, February 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RR09] **Ruj:2009:KPU** Sushmita Ruj and Bimal Roy. Key redistribution using combinatorial designs for grid-group deployment scheme in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(1):4:1–4:??, December 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RS19] **Reijers:2019:IAT** Niels Reijers and Chi-Sheng Shih. Improved ahead-of-time compilation of stack-based JVM Bytecode on resource-constrained devices. *ACM Transactions on Sensor Networks*, 15(3):34:1–34:??, August 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3341170.
- [SAK⁺19] **Saeed:2019:RTC** Ahmed Saeed, Ahmed Abdelkader, Mouhyemen Khan, Azin Neishaboori, Khaled A. Harras, and Amr Mohamed. On realistic target coverage by autonomous drones. *ACM Transactions on Sensor Networks*, 15(3):32:1–32:??, August 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3325512.
- [SAZ10] **Sang:2010:LAO** Lifeng Sang, Anish Arora, and Hongwei Zhang. On link asymmetry and one-way estimation in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(2):12:1–12:??, February 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SB16] **Sharma:2016:NOD** Gokarna Sharma and Costas Busch. Near-optimal deterministic Steiner tree maintenance in sensor networks. *ACM Transactions on Sensor Networks*, 12(1):4:1–4:??, March 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SBSD18] **Shah:2018:DGC** Vijay K. Shah, Shameek Bhattacharjee, Simone Silvestri, and Sajal K. Das. Designing green communication systems for smart and connected communities via dynamic spectrum access. *ACM Transactions on Sensor Networks*, 14(3–4):31:1–31:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- Sun:2012:QCC**
- [SC12] Xusheng Sun and Edward J. Coyle. Quantization, channel compensation, and optimal energy allocation for estimation in sensor networks. *ACM Transactions on Sensor Networks*, 8(2):15:1–15:??, March 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Shan:2014:BML**
- [SCL⁺14] Mengfan Shan, Guihai Chen, Dijun Luo, Xiaojun Zhu, and Xiaobing Wu. Building maximum lifetime shortest path data aggregation trees in wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(1):11:1–11:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Salmani:2015:RRR**
- [SC15] Vahid Salmani and Pai H. Chou. Resilient round robin: a lightweight deterministic MAC primitive. *ACM Transactions on Sensor Networks*, 11(2):31:1–31:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Shi:2019:DSC**
- [SCL⁺19] Tuo Shi, Siyao Cheng, Jianzhong Li, Hong Gao, and Zhipeng Cai. Dominating sets construction in RF-based battery-free sensor networks with full coverage guarantee. *ACM Transactions on Sensor Networks*, 15(4):43:1–43:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3352486.
- Shu:2015:TLW**
- [SCG⁺15] Yuanchao Shu, Peng Cheng, Yu Gu, Jiming Chen, and Tian He. TOC: Localizing wireless rechargeable sensors with time of charge. *ACM Transactions on Sensor Networks*, 11(3):44:1–44:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Sheu:2013:ACC**
- [SCWC13] Jang-Ping Sheu, Guey-Yun Chang, Shan-Hung Wu, and Yen-Ting Chen. Adaptive k -coverage contour evaluation and deployment in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(4):40:1–40:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Schieferdecker:2015:LFD**
- [Sch15] Dennis Schieferdecker. Location-free detection of network boundaries. *ACM Transactions on Sensor Networks*, 11(4):58:1–58:??, December 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Sutton:2019:BLL**
- [SDBT19] Felix Sutton, Reto Da Forno, Jan Beutel, and Lothar Thiele. BLITZ: Low latency and energy-efficient communication for

- event-triggered wireless sensing systems. *ACM Transactions on Sensor Networks*, 15(2):25:1–25:??, April 2019. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3309702.
- [SDČ10] Mario Strasser, Boris Danev, and Srdjan Čapkun. Detection of reactive jamming in sensor networks. *ACM Transactions on Sensor Networks*, 7(2):16:1–16:??, August 2010. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SDTL10] Kannan Srinivasan, Prabal Dutta, Arsalan Tavakoli, and Philip Levis. An empirical study of low-power wireless. *ACM Transactions on Sensor Networks*, 6(2):16:1–16:??, February 2010. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SDX⁺20] Yiran Shen, Bowen Du, Weitao Xu, Chengwen Luo, Bo Wei, Lizhen Cui, and Hongkai Wen. Securing cyber-physical social interactions on wrist-worn devices. *ACM Transactions on Sensor Networks*, 16(2):19:1–19:22, April 2020. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3378669>.
- [SEZA13] Vinaitheerthan Sundaram, Patrick Eugster, Xiangyu Zhang, and Vamsidhar Addanki. Diagnostic tracing for wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(4):38:1–38:??, July 2013. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SG08] Ryo Sugihara and Rajesh K. Gupta. Programming models for sensor networks: a survey. *ACM Transactions on Sensor Networks*, 4(2):8:1–8:??, March 2008. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SG10] Ryo Sugihara and Rajesh K. Gupta. Speed control and scheduling of data mules in sensor networks. *ACM Transactions on Sensor Networks*, 7(1):4:1–4:??, August 2010. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SG11] Ryo Sugihara and Rajesh K. Gupta. Path planning of data mules in sensor networks. *ACM Transactions on Sensor Networks*, 8(1):1:1–1:??, August 2011. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).

- [SGB15] **Steine:2015:DRA** Marcel Steine, Marc Geilen, and Twan Basten. A distributed reconfiguration approach for quality-of-service provisioning in dynamic heterogeneous wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(2):34:1–34:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SHWW20] **Shen:2020:COM** Shihao Shen, Yiwen Han, Xiaofei Wang, and Yan Wang. Computation offloading with multiple agents in edge-computing-supported IoT. *ACM Transactions on Sensor Networks*, 16(1):8:1–8:27, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3372025>.
- [SGG10] **Sharma:2010:SFD** Abhishek B. Sharma, Leana Golubchik, and Ramesh Govindan. Sensor faults: Detection methods and prevalence in real-world datasets. *ACM Transactions on Sensor Networks*, 6(3):23:1–23:??, June 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SHY13] **Syed:2013:TRM** Affan A. Syed, John Heidemann, and Wei Ye. Tones for real: Managing multipath in underwater acoustic wakeup. *ACM Transactions on Sensor Networks*, 9(2):27:1–27:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SGM08] **Sengul:2008:APB** Cigdem Sengul, Indranil Gupta, and Matthew J. Miller. Adaptive probability-based broadcast forwarding in energy-saving sensor networks. *ACM Transactions on Sensor Networks*, 4(2):6:1–6:??, March 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SJM+18] **Sangogboye:2018:FPP** Fisayo Caleb Sangogboye, Ruoxi Jia, Tianzhen Hong, Costas Spanos, and Mikkel Baun Kjærsgaard. A framework for privacy-preserving data publishing with enhanced utility for cyber-physical systems. *ACM Transactions on Sensor Networks*, 14(3–4):30:1–30:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SH09] **Shi:2009:OBS** Yi Shi and Y. Thomas Hou. Optimal base station placement in wireless sensor networks. *ACM Transactions on Sensor Networks*, 5(4):32:1–32:??, November 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SKM+11] **Singh:2011:MTT** Jaspreet Singh, Rajesh Kumar, Upamanyu Madhow, Subhash Suri, and Richard Cagley. Multiple-target tracking

- with binary proximity sensors. *ACM Transactions on Sensor Networks*, 8(1):5:1–5:??, August 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SML18] Nuno Silva, Eduardo R. B. Marques, and Luís M. B. Lopes. Flux: a platform for dynamically reconfigurable mobile crowd-sensing. *ACM Transactions on Sensor Networks*, 14(3–4):20:1–20:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SMMS09] Nisheeth Shrivastava, Raghuraman Mudumbai, Upamanyu Madhow, and Subhash Suri. Target tracking with binary proximity sensors. *ACM Transactions on Sensor Networks*, 5(4):30:1–30:??, November 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SMZ⁺17] Boyuan Sun, Qiang Ma, Shan-feng Zhang, Kebin Liu, and Yunhao Liu. iSelf: Towards cold-start emotion labeling using transfer learning with Smartphones. *ACM Transactions on Sensor Networks*, 13(4):30:1–30:??, December 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SPK⁺10] Chung-Ching Shen, William L. Plishker, Dong-Ik Ko, Shuvra S. Bhattacharyya, and Neil Goldman. Energy-driven distribution of signal processing applications across wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(3):24:1–24:??, June 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SPK14] Paul J. Shin, Johnny Park, and Avinash C. Kak. A predictive duty cycle adaptation framework using augmented sensing for wireless camera networks. *ACM Transactions on Sensor Networks*, 10(2):22:1–22:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SS13] Hanan Shpungin and Michael Segal. Improved multicriteria spanners for ad-hoc networks under energy and distance metrics.
- [Sen:2014:RRP] Rijurekha Sen, Abhinav Maurya, Bhaskaran Raman, Rupesh Mehta, Ramkrishnan Kalyanaraman, and Amarjeet Singh. Road-RFSense: a practical RF sensing-based road traffic estimation system for developing regions. *ACM Transactions on Sensor Networks*, 11(1):4:1–4:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Shin:2014:PDC] Paul J. Shin, Johnny Park, and Avinash C. Kak. A predictive duty cycle adaptation framework using augmented sensing for wireless camera networks. *ACM Transactions on Sensor Networks*, 10(2):22:1–22:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Shen:2010:EDD] Chung-Ching Shen, William L. Plishker, Dong-Ik Ko, Shuvra S. Bhattacharyya, and Neil Goldman. Energy-driven distribution of signal processing applications across wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(3):24:1–24:??, June 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Shrivastava:2009:TTB] Nisheeth Shrivastava, Raghuraman Mudumbai, Upamanyu Madhow, and Subhash Suri. Target tracking with binary proximity sensors. *ACM Transactions on Sensor Networks*, 5(4):30:1–30:??, November 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Silva:2018:FPD] Nuno Silva, Eduardo R. B. Marques, and Luís M. B. Lopes. Flux: a platform for dynamically reconfigurable mobile crowd-sensing. *ACM Transactions on Sensor Networks*, 14(3–4):20:1–20:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Sun:2017:ITC] Boyuan Sun, Qiang Ma, Shan-feng Zhang, Kebin Liu, and Yunhao Liu. iSelf: Towards cold-start emotion labeling using transfer learning with Smartphones. *ACM Transactions on Sensor Networks*, 13(4):30:1–30:??, December 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- ACM Transactions on Sensor Networks*, 9(4):37:1–37:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SSC⁺10] Thomas Schmid, Roy Shea, Zainul Charbiwala, Jonathan Friedman, Mani B. Srivastava, and Young H. Cho. On the interaction of clocks, power, and synchronization in duty-cycled embedded sensor nodes. *ACM Transactions on Sensor Networks*, 7(3):24:1–24:??, September 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SSGM10] Olga Saukh, Robert Sauter, Matthias Gauger, and Pedro José Marrón. On boundary recognition without location information in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(3):20:1–20:??, June 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SSL⁺19] Abusayeed Saifullah, Sriram Sankar, Jie Liu, Chenyang Lu, Ranveer Chandra, and Bodhi Priyantha. CapNet: Exploiting wireless sensor networks for data center power capping. *ACM Transactions on Sensor Networks*, 15(1):6:1–6:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SST08] Nisheeth Shrivastava, Subhash Suri, and Csaba D. Tóth. Detecting cuts in sensor networks. *ACM Transactions on Sensor Networks*, 4(2):10:1–10:??, March 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [ST12] Babak Shirmohammadi and Camillo J. Taylor. Self-localizing smart camera networks. *ACM Transactions on Sensor Networks*, 8(2):11:1–11:??, March 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Su07] Xun Su. A combinatorial algorithmic approach to energy efficient information collection in wireless sensor networks. *ACM Transactions on Sensor Networks*, 3(1):??, March 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SUZK19] Simone Silvestri, Rahul Urgaonkar, Murtaza Zafer, and Bong Jun Ko. A framework for the inference of sensing measurements based on correlation. *ACM Transactions on Sensor Networks*, 15(1):4:1–4:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- URL https://dl.acm.org/ft_gateway.cfm?id=3278624.

Schmid:2010:ICP**Shrivastava:2008:DCS****Shirmohammadi:2012:SLS****Su:2007:CAA****Saifullah:2019:CEW****Silvestri:2019:FIS**

(print), 1550-4867 (electronic).
URL https://dl.acm.org/ft_gateway.cfm?id=3272035.

Song:2015:ETP

- [SXD⁺15] Wen-Zhan Song, Mingsen Xu, Debraj De, Deukhyoun Heo, Jong-Hoon Kim, and Byeong-Sam Kim. ECPC: Toward preserving downtime data persistence in disruptive wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(2):24:1–24:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Sadek:2009:EEC

- [SYL09] Ahmed K. Sadek, Wei Yu, and K. J. Ray Liu. On the energy efficiency of cooperative communications in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(1):5:1–5:??, December 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Shuai:2012:TMP

- [SYOY12] Zaihong Shuai, Sangseok Yoon, Songhwan Oh, and Ming-Hsuan Yang. Traffic modeling and prediction using sensor networks: Who will go where and when? *ACM Transactions on Sensor Networks*, 9(1):6:1–6:??, November 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Shaabana:2019:CPH

- [SZ19] Ala Shaabana and Rong Zheng. CRONOS: a post-hoc data

driven multi-sensor synchronization approach. *ACM Transactions on Sensor Networks*, 15(3):26:1–26:??, August 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3309703.

Sarkar:2011:HSG

- [SZG11] Rik Sarkar, Xianjin Zhu, and Jie Gao. Hierarchical spatial gossip for multiresolution representations in sensor networks. *ACM Transactions on Sensor Networks*, 8(1):4:1–4:??, August 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Sarkar:2013:DCR

- [SZG13] Rik Sarkar, Xianjin Zhu, and Jie Gao. Distributed and compact routing using spatial distributions in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(3):32:1–32:??, May 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Suresh:2015:TOM

- [SZG⁺15] Mahima Agumbe Suresh, Wei Zhang, Weijiao Gong, Radu Stoleru, Amin Rasekh, and M. Katherine Banks. Toward optimal monitoring of flow-based systems using mobile wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(3):48:1–48:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- [SZX17] **Shaabana:2017:ICI**
Ala Shaabana, Rong Zheng, and Zhipeng Xu. Inferring clothing insulation levels using mechanisms of heat transfer. *ACM Transactions on Sensor Networks*, 13(4):28:1–28:??, December 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SZZC08] **Song:2008:LPP**
Hui Song, Sencun Zhu, Wensheng Zhang, and Guohong Cao. Least privilege and privilege deprivation: Toward tolerating mobile sink compromises in wireless sensor networks. *ACM Transactions on Sensor Networks*, 4(4):23:1–23:??, August 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [TAT14] **Tas:2014:LCI**
Baris Tas, Nihat Altiparmak, and Ali Saman Tosun. Low-cost indoor location management for robots using IR leds and an IR camera. *ACM Transactions on Sensor Networks*, 10(4):63:1–63:??, June 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [TBL07] **Tiwari:2007:EEW**
Ankit Tiwari, Prasanna Ballal, and Frank L. Lewis. Energy-efficient wireless sensor network design and implementation for condition-based maintenance. *ACM Transactions on Sensor Networks*, 3(1):??, March 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [TCB+14] **Tovar:2014:CFS**
Benjamin Tovar, Fred Cohen, Leonardo Bobadilla, Justin Czarnowski, and Steven M. Lavalley. Combinatorial filters: Sensor beams, obstacles, and possible paths. *ACM Transactions on Sensor Networks*, 10(3):47:1–47:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [TCN+17] **Tan:2017:JDC**
Rui Tan, Sheng-Yuan Chiu, Hoang Hai Nguyen, David K. Y. Yau, and Deokwoo Jung. A joint data compression and encryption approach for wireless energy auditing networks. *ACM Transactions on Sensor Networks*, 13(2):9:1–9:??, June 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [TDD+19] **Tiloca:2019:DDS**
Marco Tiloca, Domenico De Guglielmo, Gianluca Dini, Giuseppe Anastasi, and Sajal K. Das. DISH: DIStributed SHuffling against selective jamming attack in IEEE 802.15.4e TSCH networks. *ACM Transactions on Sensor Networks*, 15(1):3:1–3:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3241052.

Teng:2017:IIO

- [TGG⁺17] Xiaoqiang Teng, Deke Guo, Yulan Guo, Xiaolei Zhou, Zeliu Ding, and Zhong Liu. ION-avi: an indoor-outdoor navigation service via mobile crowd-sensing. *ACM Transactions on Sensor Networks*, 13(2):12:1–12:??, June 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Teng:2019:CTU

- [TGG⁺19] Xiaoqiang Teng, Deke Guo, Yulan Guo, Xiaolei Zhou, and Zhong Liu. CloudNavi: Toward ubiquitous indoor navigation service with 3D point clouds. *ACM Transactions on Sensor Networks*, 15(1):1:1–1:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3216722.

Tan:2014:CPL

- [TJLK14] Guang Tan, Hongbo Jiang, Jun Liu, and Anne-Marie Kermarrec. Convex partitioning of large-scale sensor networks in complex fields: Algorithms and applications. *ACM Transactions on Sensor Networks*, 10(3):41:1–41:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Tang:2013:EED

- [TJWK13] Bin Tang, Neeraj Jaggi, Haijie Wu, and Rohini Kurkal. Energy-efficient data redistribution in

sensor networks. *ACM Transactions on Sensor Networks*, 9(2):11:1–11:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Tan:2013:CBA

- [TJZ⁺13] Guang Tan, Hongbo Jiang, Shengkai Zhang, Zhimeng Yin, and Anne-Marie Kermarrec. Connectivity-based and anchor-free localization in large-scale 2D/3D sensor networks. *ACM Transactions on Sensor Networks*, 10(1):6:1–6:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Taherkordi:2013:OSN

- [TLRE13] Amir Taherkordi, Frederic Loiret, Romain Rouvoy, and Frank Eliassen. Optimizing sensor network reprogramming via in situ reconfigurable components. *ACM Transactions on Sensor Networks*, 9(2):14:1–14:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Tessens:2014:CST

- [TMAP14] Linda Tessens, Marleen Morbee, Hamid Aghajan, and Wilfried Philips. Camera selection for tracking in distributed smart camera networks. *ACM Transactions on Sensor Networks*, 10(2):23:1–23:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- [TNBG18] **Tavakoli:2018:DIA**
 Rasool Tavakoli, Majid Nabi, Twan Basten, and Kees Goossens. Dependable interference-aware time-slotted channel hopping for wireless sensor networks. *ACM Transactions on Sensor Networks*, 14(1):3:1–3:??, March 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [TP07] **Tague:2007:CSA**
 Patrick Tague and Radha Poovendran. A canonical seed assignment model for key pre-distribution in wireless sensor networks. *ACM Transactions on Sensor Networks*, 3(4):19:1–19:??, October 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [TPM⁺17] **Tan:2017:URP**
 Rui Tan, Dennis E. Phillips, Mohammad-Mahdi Moazzami, Guoliang Xing, and Jinzhu Chen. Unsupervised residential power usage monitoring using a wireless sensor network. *ACM Transactions on Sensor Networks*, 13(3):20:1–20:??, September 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [TTBH14] **Thai:2014:DTV**
 My T. Thai, Ravi Tiwari, Raja Bose, and Abdelsalam Helal. On detection and tracking of variant phenomena clouds. *ACM Transactions on Sensor Networks*, 10(2):34:1–34:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [TXC⁺13] **Tan:2013:FBV**
 Rui Tan, Guoliang Xing, Jinzhu Chen, Wen-Zhan Song, and Renjie Huang. Fusion-based volcanic earthquake detection and timing in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(2):17:1–17:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [TXY⁺13] **Tan:2013:SLC**
 Rui Tan, Guoliang Xing, Zhao-hui Yuan, Xue Liu, and Jianguo Yao. System-level calibration for data fusion in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(3):28:1–28:??, May 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [TYD⁺07] **Trigoni:2007:WSR**
 Niki Trigoni, Yong Yao, Alan Demers, Johannes Gehrke, and Rajmohan Rajaraman. Wave scheduling and routing in sensor networks. *ACM Transactions on Sensor Networks*, 3(1):??, March 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [TYGW15] **Tian:2015:SSH**
 Jie Tian, Tan Yan, Xin Gao, and Guiling Wang. Scheduling survivability-heterogeneous sensor networks for critical location

surveillance. *ACM Transactions on Sensor Networks*, 11(4):56:1–56:??, December 2015. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

Voulkidis:2013:EEW

[VAC13] Artemis C. Voulkidis, Markos P. Anastasopoulos, and Panayotis G. Cottis. Energy efficiency in wireless sensor networks: a game-theoretic approach based on coalition formation. *ACM Transactions on Sensor Networks*, 9(4):43:1–43:??, July 2013. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

Voulgaris:2016:DNL

[VDV16] Spyros Voulgaris, Matthew Dobson, and Maarten Van Steen. Decentralized network-level synchronization in mobile ad hoc networks. *ACM Transactions on Sensor Networks*, 12(1):5:1–5:??, March 2016. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

Venkatasubramanian:2010:PVB

[VG10] Krishna K. Venkatasubramanian and Sandeep K. S. Gupta. Physiological value-based efficient usable security solutions for body sensor networks. *ACM Transactions on Sensor Networks*, 6(4):31:1–31:??, July 2010. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

Vicaire:2009:ALT

[VHC⁺09] Pascal Vicaire, Tian He, Qing Cao, Ting Yan, Gang Zhou, Lin Gu, Liqian Luo, Radu Stoleru, John A. Stankovic, and Tarek F. Abdelzaher. Achieving long-term surveillance in VigilNet. *ACM Transactions on Sensor Networks*, 5(1):9:1–9:??, February 2009. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

Vedantam:2010:ADE

[VMS10] Satish Vedantam, Urbashi Mitra, and Ashutosh Sabharwal. Asymptotic distortion exponents for the estimation of time-varying channels in multihop sensor networks. *ACM Transactions on Sensor Networks*, 6(4):33:1–33:??, July 2010. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

Viswanatha:2015:EER

[VRSR15] Kumar Viswanatha, Sharadh Ramaswamy, Ankur Saxena, and Kenneth Rose. Error/erasure-resilient and complexity-constrained zero-delay distributed coding for large-scale sensor networks. *ACM Transactions on Sensor Networks*, 11(2):35:1–35:??, February 2015. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

Viswanathan:2018:EEG

[VTY18] Sreejaya Viswanathan, Rui Tan, and David K. Y. Yau. Exploiting electrical grid for accu-

rate and secure clock synchronization. *ACM Transactions on Sensor Networks*, 14(2):12:1–12:??, July 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wang:2017:SNP

[WB17] Changda Wang and Elisa Bertino. Sensor network provenance compression using dynamic Bayesian networks. *ACM Transactions on Sensor Networks*, 13(1):5:1–5:??, February 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wang:2010:DEE

[WBS10] Zijian Wang, Eyuphan Bulut, and Boleslaw K. Szymanski. Distributed energy-efficient target tracking with binary sensor networks. *ACM Transactions on Sensor Networks*, 6(4):32:1–32:??, July 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wu:2014:DPF

[WBS14] Xiuchao Wu, Kenneth N. Brown, and Cormac J. Sreenan. Data pre-forwarding for opportunistic data collection in wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(1):8:1–8:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wettergren:2009:OPD

[WC09] Thomas A. Wettergren and Russell Costa. Optimal placement of

distributed sensors against moving targets. *ACM Transactions on Sensor Networks*, 5(3):26:1–26:??, May 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wettergren:2012:OMP

[WC12] Thomas A. Wettergren and Russell Costa. Optimal multiobjective placement of distributed sensors against moving targets. *ACM Transactions on Sensor Networks*, 8(3):21:1–21:??, July 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wang:2013:AFV

[WC13] Yi Wang and Guohong Cao. Achieving full-view coverage in camera sensor networks. *ACM Transactions on Sensor Networks*, 10(1):3:1–3:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wei:2018:SSA

[WCV⁺18] Peter Wei, Xiaoqi Chen, Jordan Vega, Stephen Xia, Rishikanth Chandrasekaran, and Xiaofan Jiang. A scalable system for apportionment and tracking of energy footprints in commercial buildings. *ACM Transactions on Sensor Networks*, 14(3–4):22:1–22:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- Wang:2009:SST**
- [WDLN09] Ronghua Wang, Wenliang Du, Xiaogang Liu, and Peng Ning. ShortPK: a short-term public key scheme for broadcast authentication in sensor networks. *ACM Transactions on Sensor Networks*, 6(1):9:1–9:??, December 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Wan:2011:EEC**
- [WEC11] Chieh-Yih Wan, Shane B. Eisenman, and Andrew T. Campbell. Energy-efficient congestion detection and avoidance in sensor networks. *ACM Transactions on Sensor Networks*, 7(4):32:1–32:??, February 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Wan:2007:OTM**
- [WECC07] Chieh-Yih Wan, Shane B. Eisenman, Andrew T. Campbell, and Jon Crowcroft. Overload traffic management for sensor networks. *ACM Transactions on Sensor Networks*, 3(4):18:1–18:??, October 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Wu:2016:RFM**
- [WHST16] Fang-Jing Wu, Hsiu-Chi Hsu, Chien-Chung Shen, and Yu-Chee Tseng. Range-free mobile actor relocation in a two-tiered wireless sensor and actor network. *ACM Transactions on Sensor Networks*, 12(2):15:1–15:??, May 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Wei:2019:RCE**
- [WHYC19] Bo Wei, Wen Hu, Mingrui Yang, and Chun Tung Chou. From real to complex: Enhancing radio-based activity recognition using complex-valued CSI. *ACM Transactions on Sensor Networks*, 15(3):35:1–35:??, August 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3338026.
- Wang:2011:OSM**
- [WIF⁺11] Guiling Wang, Mary Jane Irwin, Haoying Fu, Piotr Berman, Wensheng Zhang, and Tom La Porta. Optimizing sensor movement planning for energy efficiency. *ACM Transactions on Sensor Networks*, 7(4):33:1–33:??, February 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Wang:2016:CBS**
- [WJD16] Chen Wang, Hongbo Jiang, and Yan Dong. Connectivity-based space filling curve construction algorithms in high genus 3D surface WSNs. *ACM Transactions on Sensor Networks*, 12(3):22:1–22:??, August 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Wang:2014:MLA**
- [WKA14] Dong Wang, Lance Kaplan, and Tarek F. Abdelzaher. Maximum

likelihood analysis of conflicting observations in social sensing. *ACM Transactions on Sensor Networks*, 10(2):30:1–30:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wang:2017:EWN

- [WKYH17] Shuai Wang, Song Min Kim, Zhimeng Yin, and Tian He. Encode when necessary: Correlated network coding under unreliable wireless links. *ACM Transactions on Sensor Networks*, 13(1):7:1–7:??, February 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wan:2014:DDA

- [WL14] Jiuqing Wan and Li Liu. Distributed data association in smart camera networks using belief propagation. *ACM Transactions on Sensor Networks*, 10(2):19:1–19:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wang:2010:EED

- [WLD10] Jing Wang, Yonghe Liu, and Sajal K. Das. Energy-efficient data gathering in wireless sensor networks with asynchronous sampling. *ACM Transactions on Sensor Networks*, 6(3):22:1–22:??, June 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wu:2016:EMC

- [WLS⁺16] Yafeng Wu, Kin Sum Liu, John A. Stankovic, Tian He, and

Shan Lin. Efficient multichannel communications in wireless sensor networks. *ACM Transactions on Sensor Networks*, 12(1):3:1–3:??, March 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wu:2012:SSM

- [WLW12] Xiaopei Wu, Mingyan Liu, and Yue Wu. In-situ soil moisture sensing: Optimal sensor placement and field estimation. *ACM Transactions on Sensor Networks*, 8(4):33:1–33:??, September 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wang:2013:MSA

- [WLZ13] Dan Wang, Jiangchuan Liu, and Qian Zhang. On mobile sensor assisted field coverage. *ACM Transactions on Sensor Networks*, 9(2):22:1–22:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wu:2019:EIL

- [WMT⁺19] Hang Wu, Ziliang Mo, Jiajie Tan, Suining He, and S.-H. Gary Chan. Efficient indoor localization based on geomagnetism. *ACM Transactions on Sensor Networks*, 15(4):42:1–42:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3342517.

Wang:2016:FTM

- [WPL⁺16] Tian Wang, Zhen Peng, Junbin Liang, Sheng Wen, Md Zakirul Alam Bhuiyan, Yiqiao Cai, and Jiannong Cao. Following targets for mobile tracking in wireless sensor networks. *ACM Transactions on Sensor Networks*, 12(4):31:1–31:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wang:2010:MLL

- [WRS10] Chao Wang, Parameswaran Ramanathan, and Kewal K. Saluja. Modeling latency — lifetime trade-off for target detection in mobile sensor networks. *ACM Transactions on Sensor Networks*, 7(1):8:1–8:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wang:2011:DSS

- [WRYL11] Qian Wang, Kui Ren, Shucheng Yu, and Wenjing Lou. Dependable and secure sensor data storage with dynamic integrity assurance. *ACM Transactions on Sensor Networks*, 8(1):9:1–9:??, August 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Won:2014:LSG

- [WS14] Myounggyu Won and Radu Stoleru. A low-stretch-guaranteed and lightweight geographic routing protocol for large-scale wireless sensor networks. *ACM*

Transactions on Sensor Networks, 11(1):18:1–18:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wang:2016:EEA

- [WTX⁺16] Yu Wang, Rui Tan, Guoliang Xing, Jianxun Wang, Xiaobo Tan, and Xiaoming Liu. Energy-efficient aquatic environment monitoring using Smartphone-based robots. *ACM Transactions on Sensor Networks*, 12(3):25:1–25:??, August 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Winkler:2019:DDI

- [WWB⁺19] Daniel A. Winkler, Robert Wang, François Blanchette, Miguel Á. Carreira-Perpiñán, and Alberto E. Cerpa. DICTUM: Distributed Irrigation aCtuation with Turf hUmidity Modeling. *ACM Transactions on Sensor Networks*, 15(4):41:1–41:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3342514.

Wang:2011:MMR

- [WWFX11] Xiaorui Wang, Xiaodong Wang, Xing Fu, and Guoliang Xing. MCRT: Multichannel real-time communications in wireless sensor networks. *ACM Transactions on Sensor Networks*, 8(1):2:1–2:??, August 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wu:2015:SSM

- [WWL15] Xiaopei Wu, Qingsi Wang, and Mingyan Liu. In-situ soil moisture sensing: Measurement scheduling and estimation using sparse sampling. *ACM Transactions on Sensor Networks*, 11(2): 26:1–26:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wang:2016:BSD

- [WWL+16] Chen Wang, Wei Wei, Hongzhi Lin, Hongbo Jiang, and John C. S. Lui. BLOW-UP: Toward distributed and scalable space filling curve construction in 3D volumetric WSNs. *ACM Transactions on Sensor Networks*, 12(4):30:1–30:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wang:2013:DDD

- [WWLX13] Xiaodong Wang, Xiaorui Wang, Liu Liu, and Guoliang Xing. DutyCon: a dynamic duty-cycle control approach to end-to-end delay guarantees in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(4): 42:1–42:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wang:2013:MTP

- [WWXY13] Xiaodong Wang, Xiaorui Wang, Guoliang Xing, and Yanjun Yao. Minimum transmission power configuration in real-time sensor networks with overlapping channels. *ACM Transactions*

on Sensor Networks, 9(2):10:1–10:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wang:2008:SLC

- [WX08] Chen Wang and Li Xiao. Sensor localization in concave environments. *ACM Transactions on Sensor Networks*, 4(1):3:1–3:??, January 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Wang:2019:EEC

- [WXL+19] Wei Wang, Tiantian Xie, Xin Liu, Yao Yao, and Ting Zhu. ECT: Exploiting cross-technology transmission for reducing packet delivery delay in IoT networks. *ACM Transactions on Sensor Networks*, 15(2):20:1–20:??, April 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3293536.

Wang:2019:CMC

- [WYY+19] Liang Wang, Zhiwen Yu, Dingqi Yang, Tao Ku, Bin Guo, and Huadong Ma. Collaborative mobile crowdsensing in opportunistic D2D networks: a graph-based approach. *ACM Transactions on Sensor Networks*, 15(3): 30:1–30:??, August 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3317689.

- Wang:2007:SPP**
- [WZL07] Dan Wang, Qian Zhang, and Jiangchuan Liu. The self-protection problem in wireless sensor networks. *ACM Transactions on Sensor Networks*, 3(4):20:1–20:??, October 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Wang:2008:PNC**
- [WZL08] Dan Wang, Qian Zhang, and Jiangchuan Liu. Partial network coding: Concept, performance, and application for continuous data collection in sensor networks. *ACM Transactions on Sensor Networks*, 4(3):14:1–14:??, May 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Xu:2015:HDA**
- [XAKV15] Xi Xu, Rashid Ansari, Ashfaq Khokhar, and Athanasios V. Vasilakos. Hierarchical data aggregation using compressive sensing (HDACS) in WSNs. *ACM Transactions on Sensor Networks*, 11(3):45:1–45:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Xiao:2013:RLA**
- [XBWX13] Qingjun Xiao, Kai Bu, Zhijun Wang, and Bin Xiao. Robust localization against outliers in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(2):24:1–24:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Xu:2015:OEE**
- [XCC+15] Lijie Xu, Guihai Chen, Jian-nong Cao, Shan Lin, Haipeng Dai, Xiaobing Wu, and Fan Wu. Optimizing energy efficiency for minimum latency broadcast in low-duty-cycle sensor networks. *ACM Transactions on Sensor Networks*, 11(4):57:1–57:??, December 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Xie:2016:LLI**
- [XCT+16] Bo Xie, Kongyang Chen, Guang Tan, Mingming Lu, Yunhuai Liu, Jie Wu, and Tian He. LIPS: a light intensity-based positioning system for indoor environments. *ACM Transactions on Sensor Networks*, 12(4):28:1–28:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Xia:2014:MMU**
- [XDX+14] Ming Xia, Yabo Dong, Wenyuan Xu, Xiangyang Li, and Dongming Lu. MC 2: Multimode user-centric design of wireless sensor networks for long-term monitoring. *ACM Transactions on Sensor Networks*, 10(3):52:1–52:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Xu:2017:GKG**
- [XJR+17] Weitao Xu, Chitra Javali, Girish Revadigar, Chengwen Luo, Neil

- Bergmann, and Wen Hu. Gait-Key: a gait-based shared secret key generation protocol for wearable devices. *ACM Transactions on Sensor Networks*, 13(1):6:1–6:??, February 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Xu:2008:DWS**
- [XTZ08] Wenyuan Xu, Wade Trappe, and Yanyong Zhang. Defending wireless sensor networks from radio interference through channel adaptation. *ACM Transactions on Sensor Networks*, 4(4):18:1–18:??, August 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [XLZ⁺07] Guoliang Xing, Chenyang Lu, Ying Zhang, Qingfeng Huang, and Robert Pless. Minimum power configuration for wireless communication in sensor networks. *ACM Transactions on Sensor Networks*, 3(2):11:1–11:??, June 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Xing:2007:MPC**
- [XWRD12] Kaiqi Xiong, Ronghua Wang, Wenliang Du, and Peng Ning. Containing bogus packet insertion attacks for broadcast authentication in sensor networks. *ACM Transactions on Sensor Networks*, 8(3):20:1–20:??, July 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Xiong:2012:CBP**
- [XRH⁺13] Yinsheng Xu, Fengyuan Ren, Tao He, Chuang Lin, Canfeng Chen, and Sajal K. Das. Real-time routing in wireless sensor networks: a potential field approach. *ACM Transactions on Sensor Networks*, 9(3):35:1–35:??, May 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Xu:2013:RTR**
- [XWZ⁺05] Guoliang Xing, Xiaorui Wang, Yuanfang Zhang, Chenyang Lu, Robert Pless, and Christopher Gill. Integrated coverage and connectivity configuration for energy conservation in sensor networks. *ACM Transactions on Sensor Networks*, 1(1):36–72, August 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Xing:2005:ICC**
- [XRS10] Xiaochun Xu, Nageswara S. V. Rao, and Sartaj Sahni. A computational geometry method for localization using differences of distances. *ACM Transactions on Sensor Networks*, 6(2):10:1–10:??, February 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Xu:2010:CGM**
- [XXHL16] Miao Xu, Wenyuan Xu, Tingrui Han, and Zhiyun Lin. Energy-efficient time synchronization in wireless sensor networks via temperature-aware compensation. *ACM Transactions on*

- Sensor Networks*, 12(2):12:1–12:??, May 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [YB17] Xiaohan Yu and Seung Jun Baek. Energy-efficient collection of sparse data in wireless sensor networks using sparse random matrices. *ACM Transactions on Sensor Networks*, 13(3):22:1–22:??, September 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [YCL⁺19] Ruiyun Yu, Jiannong Cao, Rui Liu, Wenyu Gao, Xingwei Wang, and Junbin Liang. Participant incentive mechanism toward quality-oriented sensing: Understanding and application. *ACM Transactions on Sensor Networks*, 15(2):21:1–21:??, April 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3303703.
- [YH13] Ou Yang and Wendi Heinzelman. An adaptive sensor sleeping solution based on sleeping multipath routing and duty-cycled MAC protocols. *ACM Transactions on Sensor Networks*, 10(1):10:1–10:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [YJWL13] Zheng Yang, Lirong Jian, Chen-shu Wu, and Yunhao Liu. Beyond triangle inequality: Sifting noisy and outlier distance measurements for localization. *ACM Transactions on Sensor Networks*, 9(2):26:1–26:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [YLL13] Li-Hsing Yen, Che-Ming Lin, and Victor C. M. Leung. Distributed lifetime-maximized target coverage game. *ACM Transactions on Sensor Networks*, 9(4):46:1–46:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [YLSZ19] Zheng Yang, Junyu Lai, Yingbing Sun, and Jianying Zhou. A novel authenticated key agreement protocol with dynamic credential for WSNs. *ACM Transactions on Sensor Networks*, 15(2):22:1–22:??, April 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3303704.
- [YM14] Shusen Yang and Julie A. McCann. Distributed optimal lexicographic max-min rate allocation in solar-powered wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(1):

Yang:2013:BTI**Yu:2017:EEC****Yen:2013:DLM****Yu:2019:PIM****Yang:2019:NAK****Yang:2013:ASS****Yang:2014:DOL**

9:1–9:??, August 2014. CODEN
 ???? ISSN 1550-4859 (print),
 1550-4867 (electronic).

Yuan:2013:STA

- [YPW⁺13] Yi Yuan, Dawei Pan, Dan Wang, Xiaohua Xu, Yu Peng, Xiyuan Peng, and Peng-Jun Wan. A study towards applying thermal inertia for energy conservation in rooms. *ACM Transactions on Sensor Networks*, 10(1):7:1–7:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Yang:2017:VSS

- [YPZ⁺17] Zhicheng Yang, Parth H. Pathak, Yunze Zeng, Xixi Liran, and Prasant Mohapatra. Vital sign and sleep monitoring using millimeter wave. *ACM Transactions on Sensor Networks*, 13(2):14:1–14:??, June 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Yoon:2017:FBC

- [YRB⁺17] Hee Jung Yoon, Ho-Kyeong RA, Can Basaran, Sang Hyuk Son, Taejoon Park, and Jeonggil Ko. Fuzzy bin-based classification for detecting children’s presence with 3D depth cameras. *ACM Transactions on Sensor Networks*, 13(3):21:1–21:??, September 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Yoon:2007:CAC

- [YS07] Sunhee Yoon and Cyrus Shahabi. The Clustered AGgrega-

tion (CAG) technique leveraging spatial and temporal correlations in wireless sensor networks. *ACM Transactions on Sensor Networks*, 3(1):??, March 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Yang:2015:PBD

- [YSK⁺15] Yong Yang, Lu Su, Mohammad Khan, Michael Lemay, Tarek Abdelzaher, and Jiawei Han. Power-based diagnosis of node silence in remote high-end sensing systems. *ACM Transactions on Sensor Networks*, 11(2):33:1–33:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Yap:2008:MWA

- [YSM08] Kok-KIONG Yap, Vikram Srinivasan, and Mehul Motani. MAX: Wide area human-centric search of the physical world. *ACM Transactions on Sensor Networks*, 4(4):26:1–26:??, August 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Yang:2013:TSS

- [YSZC13] Yi Yang, Min Shao, Sencun Zhu, and Guohong Cao. Towards statistically strong source anonymity for sensor networks. *ACM Transactions on Sensor Networks*, 9(3):34:1–34:??, May 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- Yu:2014:CCW**
- [YTB⁺14] Zuoming Yu, Jin Teng, Xiaole Bai, Dong Xuan, and Weijia Jia. Connected coverage in wireless networks with directional antennas. *ACM Transactions on Sensor Networks*, 10(3):51:1–51:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Yoon:2007:TST**
- [YVS07] Suyoung Yoon, Chanchai Veerarithtiphan, and Mihail L. Sichi-tiu. Tiny-sync: Tight time synchronization for wireless sensor networks. *ACM Transactions on Sensor Networks*, 3(2):8:1–8:??, June 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Yin:2017:THM**
- [YXFL17] Yafeng Yin, Lei Xie, Yuanyuan Fan, and Sanglu Lu. Tracking human motions in photographing: a context-aware energy-saving scheme for smart phones. *ACM Transactions on Sensor Networks*, 13(4):29:1–29:??, December 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Yin:2019:ABC**
- [YXG⁺19] Yafeng Yin, Lei Xie, Tao Gu, Yijia Lu, and Sanglu Lu. AirContour: Building contour-based model for in-air writing gesture recognition. *ACM Transactions on Sensor Networks*, 15(4):44:1–44:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Yin:2019:SBM**
- [YYC⁺19] Junjie Yin, Zheng Yang, Hao Cao, Tongtong Liu, Zimu Zhou, and Chenshu Wu. A survey on Bluetooth 5.0 and Mesh: New milestones of IoT. *ACM Transactions on Sensor Networks*, 15(3):28:1–28:??, August 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3343855.
- Yau:2010:QMS**
- [YYM⁺10] David K. Y. Yau, Nung Kwan Yip, Chris Y. T. Ma, Nageswara S. V. Rao, and Mallikarjun Shankar. Quality of monitoring of stochastic events by periodic and proportional-share scheduling of sensor coverage. *ACM Transactions on Sensor Networks*, 7(2):18:1–18:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Yin:2008:ARU**
- [YYSL08] Jie Yin, Qiang Yang, Dou Shen, and Ze-Nian Li. Activity recognition via user-trace segmentation. *ACM Transactions on Sensor Networks*, 4(4):19:1–19:??, August 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zheng:2007:LUB

- [ZBA07] Yunhui Zheng, David J. Brady, and Pankaj K. Agarwal. Localization using boundary sensors: an analysis based on graph theory. *ACM Transactions on Sensor Networks*, 3(4):21:1–21:??, October 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zhang:2014:AIP

- [ZCLJ14] Hongwei Zhang, Xin Che, Xiaohui Liu, and Xi Ju. Adaptive instantiation of the protocol interference model in wireless networked sensing and control. *ACM Transactions on Sensor Networks*, 10(2):28:1–28:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zhou:2009:VRC

- [ZDG09] Zongheng Zhou, Samir R. Das, and Himanshu Gupta. Variable radii connected sensor cover in sensor networks. *ACM Transactions on Sensor Networks*, 5(1):8:1–8:??, February 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zhu:2010:FTR

- [ZDW⁺10] Mengxia Zhu, Song Ding, Qishi Wu, R. R. Brooks, N. S. V. Rao, and S. S. Iyengar. Fusion of threshold rules for target detection in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(2):18:1–18:??, February 2010. CODEN

???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zhu:2012:ALT

- [ZGHZ12] Ting Zhu, Yu Gu, Tian He, and Zhi-Li Zhang. Achieving long-term operation with a capacitor-driven energy storage and sharing network. *ACM Transactions on Sensor Networks*, 8(4):32:1–32:??, September 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zhu:2011:SNL

- [ZGT11] Yuanchen Zhu, Steven J. Gortler, and Dylan Thurston. Sensor network localization using sensor perturbation. *ACM Transactions on Sensor Networks*, 7(4):36:1–36:??, February 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zhao:2016:CCA

- [ZGX⁺16] Yawei Zhao, Deke Guo, Jia Xu, Pin Lv, Tao Chen, and Jianping Yin. CATS: Cooperative allocation of tasks and scheduling of sampling intervals for maximizing data sharing in WSNs. *ACM Transactions on Sensor Networks*, 12(4):29:1–29:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zhang:2005:UBL

- [ZH05] Honghai Zhang and Jennifer C. Hou. On the upper bound of α -lifetime for large sensor networks. *ACM Transactions on*

Sensor Networks, 1(2):272–300, November 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zhao:2005:I

[Zha05] Feng Zhao. Introduction. *ACM Transactions on Sensor Networks*, 1(1):1–2, August 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zarepour:2017:SSE

[ZHCA17] Eisa Zarepour, Mahbub Hassan, Chun Tung Chou, and Adesoji A. Adesina. SEMON: Sensorless event monitoring in self-powered wireless nanosensor networks. *ACM Transactions on Sensor Networks*, 13(2):15:1–15:??, June 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zhou:2006:MSR

[ZHKS06] Gang Zhou, Tian He, Sudha Krishnamurthy, and John A. Stankovic. Models and solutions for radio irregularity in wireless sensor networks. *ACM Transactions on Sensor Networks*, 2(2):221–262, May 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zhang:2015:GND

[ZHL⁺15] Desheng Zhang, Tian He, Yunhuai Liu, Yu Gu, Fan Ye, Raghu K. Ganti, and Hui Lei. Generic neighbor discovery accelerations in mobile applications. *ACM Transactions on*

Sensor Networks, 11(4):63:1–63:??, December 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zhang:2016:CSL

[ZHZ⁺16] Desheng Zhang, Tian He, Fan Zhang, Mingming Lu, Yunhuai Liu, Haengju Lee, and Sang H. Son. Carpooling service for large-scale taxicab networks. *ACM Transactions on Sensor Networks*, 12(3):18:1–18:??, August 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zhang:2010:RTD

[ZJX10] Jun Zhang, Xiaohua Jia, and Guoliang Xing. Real-time data aggregation in contention-based wireless sensor networks. *ACM Transactions on Sensor Networks*, 7(1):2:1–2:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zhang:2012:ACI

[ZJZ12] Jun Zhang, Xiaohua Jia, and Yuan Zhou. Analysis of capacity improvement by directional antennas in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(1):3:1–3:??, November 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zamalloa:2007:AUA

[ZK07] Marco Zúñiga Zamalloa and Bhaskar Krishnamachari. An analysis of unreliability and

- asymmetry in low-power wireless links. *ACM Transactions on Sensor Networks*, 3(2):7:1–7:??, June 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [ZLW+15]
- Zhang:2010:DMM**
- [ZKS10] Zhiguo Zhang, Ajay D. Kshemkalyani, and Sol M. Shatz. Dynamic multiroot, multiquery processing based on data sharing in sensor networks. *ACM Transactions on Sensor Networks*, 6(3):25:1–25:??, June 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Zhang:2010:RPA**
- [ZLGG10] Lei Zhang, Ligang Liu, Craig Gotsman, and Steven J. Gortler. An as-rigid-as-possible approach to sensor network localization. *ACM Transactions on Sensor Networks*, 6(4):35:1–35:??, July 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Zhu:2019:BSB**
- [ZLGL19] Tongxin Zhu, Jianzhong Li, Hong Gao, and Yingshu Li. Broadcast scheduling in battery-free wireless sensor networks. *ACM Transactions on Sensor Networks*, 15(4):49:1–49:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3356472. [ZSG09]
- Zhang:2015:ARF**
- Shigeng Zhang, Xuan Liu, Jianxin Wang, Jiannong Cao, and Geyong Min. Accurate range-free localization for anisotropic wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(3):51:1–51:??, May 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Zhang:2019:WEM**
- [ZLYW19] Qian Zhang, Fan Li, Song Yang, and Yu Wang. W3W: Energy management of hybrid energy supplied sensors for Internet of Things. *ACM Transactions on Sensor Networks*, 15(1):10:1–10:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3280964.
- Zordan:2014:PLC**
- [ZMVR14] Davide Zordan, Borja Martinez, Ignasi Vilajosana, and Michele Rossi. On the performance of lossy compression schemes for energy constrained sensor networking. *ACM Transactions on Sensor Networks*, 11(1):15:1–15:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Zhu:2009:SSF**
- Xianjin Zhu, Rik Sarkar, and Jie Gao. Segmenting a sensor field: Algorithms and applications in network design. *ACM Transactions on Sensor Networks*, 5(2):

12:1–12:??, March 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zhu:2006:LES

- [ZSJ06] Sencun Zhu, Sanjeev Setia, and Sushil Jajodia. LEAP+: Efficient security mechanisms for large-scale distributed sensor networks. *ACM Transactions on Sensor Networks*, 2(4):500–528, November 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zhu:2007:IHH

- [ZSJN07] Sencun Zhu, Sanjeev Setia, Sushil Jajodia, and Peng Ning. Interleaved hop-by-hop authentication against false data injection attacks in sensor networks. *ACM Transactions on Sensor Networks*, 3(3):14:1–14:??, August 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zamalloa:2008:EGR

- [ZSKH08] Marco Zúñiga Zamalloa, Karim Seada, Bhaskar Krishnamachari, and Ahmed Helmy. Efficient geographic routing over lossy links in wireless sensor networks. *ACM Transactions on Sensor Networks*, 4(3):12:1–12:??, May 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zheng:2010:ODD

- [ZVPS10] Rong Zheng, Khuong Vu, Amit Pendharkar, and Gangbing Song. Obstacle discovery in

distributed actuator and sensor networks. *ACM Transactions on Sensor Networks*, 7(3):22:1–22:??, September 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zhang:2005:ODS

- [ZW05] Xin Zhang and Stephen B. Wicker. On the optimal distribution of sensors in a random field. *ACM Transactions on Sensor Networks*, 1(2):301–306, November 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

Zheng:2020:UMM

- [ZWWZ20] Zimu Zheng, Feng Wang, Dan Wang, and Liang Zhang. An urban mobility model with buildings involved: Bridging theory to practice. *ACM Transactions on Sensor Networks*, 16(1):10:1–10:24, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3366689>.

Zhang:2019:DEF

- [YZY⁺19] Qingquan Zhang, Yao Yao, Ting Zhu, Ziqiao Zhou, Wei Xu, Ping Yi, and Sheng Xiao. Dynamic enhanced field division: an advanced localizing and tracking middleware. *ACM Transactions on Sensor Networks*, 15(1):2:1–2:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3216721.

Zhang:2020:CAD

- [ZZZ⁺20] Jianhui Zhang, Siwen Zheng, Tianhao Zhang, Mengmeng Wang, and Zhi Li. Charge-aware duty cycling methods for wireless systems under energy harvesting heterogeneity. *ACM Transactions on Sensor Networks*, 16(2):15:1–15:23, April 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3372800>.