A Complete Bibliography of Publications in the
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REFERENCES


8. Thomas A. Henzinger, Pei-Hsin Ho, and Howard Wong-Toi. HYTECH: a
REFERENCES


REFERENCES


[26] F. P. Burns, A. M. Koelmans, and A. V. Yakovlev. Analysing superscalar pro-


REFERENCES

\[\text{deVries:2000:FCT}\]


\[\text{Kamel:2000:FVG}\]


\[\text{Cimatti:2000:NNS}\]


\[\text{Giunchiglia:2000:TPT}\]


\[\text{Kaufmann:2000:VYC}\]


\[\text{DiVito:2000:HAP}\]


\[\text{Kapur:2000:UIP}\]


\[\text{Autexier:2000:VFM}\]


\[\text{Traverso:2000:MRV}\]

Transfer (STTT), 3(1):78–92, September 2000. CODEN ????. ISSN 1433-2779 (print), 1433-2787 (electronic).

Aiken:2000:DRR


Brinksma:2001:VE


Drechsler:2001:BDD


Bryant:2001:VAC


Minato:2001:ZSB


Somenzi:2001:EMD


Horeth:2001:WLG


Harlow:2001:DEE


Mohnke:2001:ABB

REFERENCES

Massingill:2001:PPP

Bartoli:2001:ACM

Cleaveland:2001:PSE

Delzanno:2001:CBD

Hirschkoff:2001:BVU

Kern:2001:LWF

Garavel:2001:SDC

Huisman:2001:CSC

Lindahl:2001:FDA
REFERENCES

CODEN ???? ISSN 1433-2779 (print), 1433-2787 (electronic).

Jensen:2001:PSE


Berthelot:2001:SVC


Ojala:2001:MAD


Genrich:2001:EPN


Lindstrom:2001:WBI


Bernardi:2001:ICS


Anlauf:2001:GAN


Aizman:2001:EC


Simons:2001:MVI

[79] David P. L. Simons and Mariëlle I. A. Stoelinga. Mechanical verification of the


Cindy Eisner. Using symbolic CTL model checking to verify the railway stations of Hoorn-Kersenboogerd and Heerhugowaard. *International Journal on...


Hong Peng, Sofiene Tahar, and Ferhat Khendek. Comparison of SPIN


[106] Koen Claessen, Mary Sheeran, and Satnam Singh. Using Lava to design and


REFERENCES

Haakansson:2003:GOT

Debbabi:2003:ST

Ben-David:2003:SDF

Dong:2003:FLG

Margaria:2003:IPS

Williams:2003:SCU

Yavuz-Kahveci:2003:SMA

Pasareanu:2003:FFA

Ball:2003:BCA
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ISSN 1433-2779 (print), 1433-2787 (electronic).


ISSN 1433-2779 (print), 1433-2787 (electronic).


REFERENCES


REFERENCES


[179] Gianpiero Cabodi, Alex Kondratyev, Luciano Lavagno, Sergio Nocco, Stefano Quer, and Yosinori Watanabe.


[192] Stefan Blom and Simona Orzan. Distributed state space minimization. In-
REFERENCES

Margaria:2005:IP


Baldini:2005:SLF


Jard:2005:TTP


Bunker:2005:LSC


Viho:2005:TDS


Schieferdecker:2005:DFL


Berkenkötter:2006:HPU


Jensen:2006:TAC


Valmari:2006:WSR


 Schmidt:2006:AGP


 Behrmann:2006:LUB


 Younes:2006:NVS


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**Wassyng:2006:STS**


**Tronci:2006:IP**


**Moore:2006:IAO**


**Chockler:2006:CMF**


**Ganai:2006:EDS**


**Penna:2006:FHA**


REFERENCES


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Grumberg:2007:VFT


Pezze:2007:ISS


Vanderperren:2007:AOC


Sora:2007:CCC


Pahl:2007:OSC


delBianco:2007:TUB


Heckel:2007:MDD

[258] Reiko Heckel and Marc Lohmann. Model-driven development of reactive
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Jensen:2007:SSC


Jensen:2007:CPN


Mitchell:2007:FSS


Billington:2007:MAF


Liu:2007:VCE


Pesic:2007:MWD


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Hermanns:2008:IES


Thomas:2008:EGS


Groce:2008:ETS


Gupta:2008:AEE


Esparza:2008:NRD


Hadjidj:2008:ISC


Leuschel:2008:PAA

Michael Leuschel and Michael Butler. ProB: an automated analysis toolset for...
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REFERENCES

Ossowski:2008:UFW

Pelanek:2008:PSS

Ebnenasir:2008:FFA

Marchetto:2008:SST

Marchetto:2008:CSB

Carzaniga:2008:HWA

Hughes:2008:AVA
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**Kinder:2008:MPF**


**Valmari:2009:SMC**


**Melatti:2009:PDM**


**Bosnacki:2009:POR**


**Anand:2009:SEA**


**Armando:2009:BMC**


[Huth:2009:SSA]


[Bryant:2009:ABD]


[Chatterjee:2009:LLM]


[Tan:2009:WCE]


Deharbe:2009:SSS


Desmoulin:2009:FIT


Yorav:2009:HVC


Pasternak:2009:GUT


Fine:2009:UBN


Raffelt:2009:DTA


Babic:2009:ASR


REFERENCES


[356] Brian Chan, King Chun Foo, Lionel Marks, and Ying Zou. An approach for estimating the time needed to perform code changes in business applications. International Journal on Software Tools for Technology Transfer (STTT),
Ameur:2010:TWU


Plagge:2010:SOS


Bauer:2010:DCS


Rehm:2010:PDR


Dolev:2010:FRA


Carver:2010:CLI

Bosnacki:2010:MCS

Weber:2010:EVM

Yang:2010:DDP

Rozier:2010:LSC

Barnat:2010:SSM

Evangelista:2010:SIP

Rensink:2010:GTT
Perez:2010:CSE


Muliawan:2010:MRU


Horvath:2010:EAC


Meszaros:2010:MAP


Biermann:2010:IAE


Jakumeit:2010:GNE

Moha:2010:EKS


Geiger:2010:FCS


Mader:2010:SSA


Simmonds:2010:ERP


Beaudenon:2010:DDD


Krahn:2010:MFC


Bakewell:2010:DAR

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Bucci:2010:OTM


Kroening:2010:VST


Gurfinkel:2010:CPN


Cok:2010:IUP


Chalin:2010:TIG


Abrial:2010:ROT


Adler:2011:EWU


Artho:2011:IDD


Baras:2011:ABC


Bar-Ilan:2011:RSR


Bauer:2011:UAT


Fecher:2011:LAR


[414] Pascal Cuoq, Benjamin Monate, Anne Pacalet, and Virgile Prevosto. Functional dependencies of C functions...

Weber:2011:SSN


Castillos:2011:SBT


Ishii:2011:IBS


Freitas:2011:FMS


Jones:2011:PSS


Kidd:2011:FCR


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Katz:2012:CAP


Basu:2012:SAM


Denise:2012:CBR


Safe:2012:SFV


Abdulla:2012:RMCa

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**Bouajjani:2012:WTR**


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**Abdulla:2012:RMCb**


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Huang:2012:SMC


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Houben:2013:MTS


Kowalewski:2013:MCA


Plaku:2013:FLS


Kahlon:2013:SAC


Nguyen:2013:SDI


Gupta:2013:TP

REFERENCES


[493] Saurabh Srivastava, Sumit Gulwani, and Jeffrey S. Foster. Template-based program verification and program synthesis. *International Journal

Finkbeiner:2013:BS

Filiot:2013:ESL

Konighofer:2013:DFS

Godhal:2013:SAA

Lustig:2013:SCL

Bensalem:2014:VVM

Godhal:2014:LA
Crampton:2014:AWS


Raza:2014:GET


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Muhlb erg:2014:SOC


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Song:2014:PMC


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Grossmann:2014:THS


Stepien:2014:IEI

Zeiss:2014:CTS

Rings:2014:GIT

Alnusair:2014:RBD

Margaria:2014:PVT

Fang:2014:FVS

Gherghina:2014:EPV

Ferreira:2014:AVF


Markus Schordan and Adrian Prantl. Combining static analysis and state transition graphs for verification of event-condition-action systems in the

Beyer:2014:BBS


Morse:2014:ASB


Bauer:2014:APB


Steffen:2014:TGC


Felderer:2014:TRB


Neubauer:2014:RBT


Carrozza:2014:DTP


**Marrone:2014:TMD**


**James:2014:TMV**


**Haxthausen:2014:AGF**

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Galler:2014:STD


Quer:2014:MCE


Nilsson:2015:AEI


David:2015:RTS


Chen:2015:TPL


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Pulungan:2015:CMS

Lincke:2015:FPG


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David:2015:SHR

Salva:2015:AAA


Wang:2015:MCF


Felderer:2015:PMS


Refsdal:2015:SRA


Burger:2015:RSE


Vanoverberghe:2015:PIC


Felderer:2015:SCS


Turner:2015:WQD

Kenneth J. Turner and Paul S. Lambert. Workflows for quantitative data analysis in the social sci-
REFERENCES


REFERENCES


