

Marcelo d'Amorim

Associate Professor, Computer Science Department
Federal University of Pernambuco (UFPE), Recife, Brazil

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Education

- 2007 **University of Illinois at Urbana-Champaign** Illinois, USA
Ph.D. in Computer Science
Dissertation title: "Efficient Explicit-State Model Checking for Programs with Dynamically Allocated Data"
Advisor: Prof. [Darko Marinov](#)
- 2001 **Federal University of Pernambuco** Pernambuco, Brazil
M.S. in Computer Science
- 1997 B.S. in Computer Science

Research Interests My research interests are in the areas of Software Engineering and Programming Languages, with a focus on improving software reliability through program analysis and systematic testing.

Experience

- 01/09– **Federal University of Pernambuco** Pernambuco, Brazil
Assistant Professor. Advising: 1PhD+3MS students, Graduated: 1PhD+3MS, Co-advised: 3MS.
- 7/15–6/16 **Georgia Institute of Technology** Atlanta, USA
Visiting Scholar at the Arktos group led by Alessandro Orso
- 09/07–12/08 **Federal University of Pernambuco** Pernambuco, Brazil
Postdoctoral research assistant at the SPG group led by Paulo Borba
- 05/04–08/04 **NASA Ames Research Center** California, USA
Summer intern. Supervisor: Klaus Havelund
- 08/02–08/07 **University of Illinois at Urbana-Champaign** Illinois, USA
Research Assistant. Advisor: Darko Marinov
- 01/98–01/01 **C.E.S.A.R./Qualiti** Pernambuco, Brazil
Software Engineer
- 01/96–01/98 **Terasoft** Pernambuco, Brazil
Software Engineer

Awards & Honors

- 2016 IEEE/ACM ASE'16 Distinguished Reviewer Award.
- 2016 [CNPq](#) sabbatical scholarship.
- 2014 Finalist (with 5 others) Microsoft Research Faculty Fellowship Latin America. One award granted.
- 2013 Microsoft Software Engineering Innovation Foundation ([SEIF](#)) Award 2013.
- 2013 [CNPq](#) research productivity fellowship (2010-2012, renewed 2013-2015).
- 2008 [FACEPE/CNPq](#) postdoctoral scholarship.
- 2007 Paper [26] nominated to the list of best papers at ACM ISSTA'07 and invited to journal [24].
- 2006 Paper [28] nominated to the list of best papers at ACM/IEEE ASE'06 and invited to journal.
- 2002 [CAPES](#) Ph.D. fellowship (2002-2006).

Publications

- JSS'17 [1] Sabrina Souto and **Marcelo d'Amorim**. Time-Space Efficient Regression Testing for Configurable Systems. In *Journal of Systems and Software (JSS)*, Accepted for publication.
- ASE'17 [2] Jeanderson Candido, Luis Melo, **Marcelo d'Amorim**. Test Suite Parallelization in Open-Source Projects: a Study on its Usage and Impact. In *IEEE/ACM Intl. Conference on Automated Software Engineering (ASE)*, To Appear, Urbana-Champaign (IL), US, Nov. 2017.
- ICSE'17 [3] Sabrina Souto, **Marcelo d'Amorim**, Rohit Gheyi. Balancing Soundness and Efficiency for Practical Testing of Configurable Systems. In *International Conference on Software Engineering (ICSE)*, pages 632-642, Buenos Aires, AR, May 2017.
- ICST'17 [4] Alexandre Perez, Rui Abreu, **Marcelo d'Amorim**. Prevalence of Single-Fault Fixes and its Impact on Fault Localization. In *IEEE International Conference on Software Testing, Verification and Validation (ICST)*, pages 12-22, Tokyo, Japan, March 2017.

- HVC'16 [5] Xiangyu Li, **Marcelo d'Amorim**, Alessandro Orso. Iterative User-Driven Fault Localization. In *Haifa Verification Conference (HVC)*, pages 82-98, Haifa, IL, November 2016.
- ASE'15 [6] Paulo Barros, René Just, Suzanne Millstein, Paul Vines, Werner Dietl, **Marcelo d'Amorim**, and Michael D. Ernst. Static Analysis of Implicit Control Flow: Resolving Java Reflection and Android Intents. In *IEEE/ACM Intl. Conference on Automated Software Engineering (ASE)*, pages 669-679, Lincoln (NE), USA, November 2015.
- ESEC-FSE'15 [7] Mateus Borges, Antonio Filieri, **Marcelo d'Amorim**, and Corina S. Păsăreanu. Iterative Distribution-Aware Sampling for Probabilistic Software Analysis. In *Proc. of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE)*, pages 866-877, Bergamo, IT, Aug-Sept 2015.
- SPLC'15 [8] Sabrina Souto, Divya Gopinath, **Marcelo d'Amorim**, Darko Marinov, Sarfraz Khurshid and Don Batory. Faster Bug Detection for Software Product Lines with Incomplete Feature Models. In *International Systems and Software Product Line Conference (SPLC)*, pages 151-160, Nashville (TN), USA, July 2015.
- HVC'14 [9] Tianhai Liu, Mateus Borges, **Marcelo d'Amorim**, and Mana Taghidiri. A Comparative Study of Incremental Constraint Solving Approaches in Symbolic Execution. *Haifa Verification Conference (HVC)*, pages 284-299, Haifa, IL, November 2014.
- SPIN'14 [10] Quoc-Sang Phan, Pasquale Malacaria, Corina S. Păsăreanu, and **Marcelo d'Amorim**. Quantifying Information Leaks using Reliability Analysis. *International SPIN Symposium on Software Model Checking*, pages 105-108, San Jose (CA), USA, July 2014.
- PLDI'14 [11] Mateus Borges, Antonio Filieri, **Marcelo d'Amorim**, Corina S. Păsăreanu, and Willem Visser. Compositional Solution Space Quantification for Probabilistic Software Analysis. *ACM/SIGPLAN Programming Language Design and Implementation (PLDI)*, pages 123-132, Edinburgh, UK, June 2014.
- SCP'14 [12] Andrei Rimsa, **M. d'Amorim**, Fernando M. Q. Pereira, and Roberto S. Bigonha. Efficient Static Checker for Tainted Variable Attacks. *Science of Computer Programming*. Volume 80, pages 91-105, Feb. 2014
- ASE'13 [13] José Carlos de Campos, Rui Abreu, Gordon Fraser, and **Marcelo d'Amorim**. Entropy-based Test Generation for Improved Fault Localization. In *Proc. of the IEEE/ACM International Conference on Automated Software Engineering*, pages 257-267, Silicon Valley (CA), USA, November 2013.
- ESEC-FSE'13 [14] Chang Hwan Peter Kim, Darko Marinov, Sarfraz Khurshid, Don Batory, Sabrina Souto, Paulo Barros, and **Marcelo d'Amorim**. SPLat: Lightweight Dynamic Analysis for Reducing Combinatorics in Testing Configurable Systems. In *Proc. of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE)*, pages 257-267, Saint Petersburg, Russia, August 2013.
- ICST'12 [15] Mateus Borges, **M. d'Amorim**, Saswat Anand, David Bushnell, and Corina S. Păsăreanu. Symbolic Execution with Interval Solving and Meta-heuristic Search. In *IEEE International Conference on Software Testing, Verification, and Validation (ICST)*. pages 111-120. Montreal, CA, April 2012.
- ASE'11 [16] Elton Alves, Milos Gligoric, Vilas Jagannath, and **M. d'Amorim**. Improved Lightweight Debugging with Dynamic Slicing and Change Data. In *IEEE/ACM International Symposium on Automated Software Engineering (ASE)*, pages 520-523. Lawrence, KS, November 2011.
- NFM'11 [17] Matheus Souza, Mateus Borges, **M. d'Amorim**, and Corina S. Păsăreanu. CORAL: Solving Complex Constraints in Symbolic PathFinder. In *Proc. of the NASA Formal Methods Symposium (NFM)*. pages 359-374. Pasadena, CA, April 2011.
- CC'11 [18] Andrei Rimsa, **M. d'Amorim**, Fernando M. Q. Pereira. Efficient Tainted Flow Analysis. In *Proc. of the ETAPS Intl. Conference on Compiler Construction (CC)*. pages 124-143. Saarbrücken, Germany, March 2011.
- SIMULATION'10 [19] A. Sobeih, **M. d'Amorim**, M. Viswanathan, D. Marinov, and J. Hou. Assertion checking in J-Sim simulation models of network protocols. In *Transactions of The Society for Modeling and Simulation International (Simulation)*. Volume 86, Number 11, 651-673, November 2010.
- ISSE'10 [20] M. Takaki, D. Cavalcanti, R. Gheyi, J. Iyoda, **M. d'Amorim**, R. Prudencio. Randomized Constraint Solvers: A comparative study. In *Innovations in Systems and Software Engineering: a NASA journal (ISSE)*. Volume 6, Number 3, 243-253, September 2010.
- CbSoft'10 [21] Andrei Rimsa, **M. d'Amorim**, Fernando M. Q. Pereira. Efficient Static Checker for Tainted Variable Attacks. In *Proc. of the Brazilian Symposium on Programming Languages (SBLP)*. Salvador, Brazil, September 2010.
- NFM'09 [22] M. Takaki, D. Cavalcanti, R. Gheyi, J. Iyoda, **M. d'Amorim**, R. Prudencio. A Comparative Study of Randomized Constraint Solvers for Random-Symbolic Testing. In *Proc. of the NASA Formal Methods Symposium (NFM)*. pages 56-65, Mountain View, CA, April, 2009.
- ICST'09 [23] C. Bertolini, G. Peres, **M. d'Amorim**, A. Mota. An Empirical Evaluation of Automated Black Box Testing Techniques for Crashing GUIs. In *Proc. of the IEEE International Conference on Software Testing, Verification, and Validation (ICST)*, pages 21-30, Denver, CO, April, 2009.
- IEEE-TSE'08 [24] **M. d'Amorim**, S. Lauterburg and D. Marinov. Delta Execution for Efficient State-Space Exploration. In *IEEE Transactions on Software Engineering (TSE)*, Vol. 34, No. 5, pages 597-613, October 2008.

- ICSE'08 [25] T. Gvero, M. Gligoric, S.Lauterburg, **M. d'Amorim**, D. Marinov, S. Khurshid State Extensions for Java PathFinder. In *Proc. of the ACM/SIGSOFT Intl. Conference on Software Engineering Research Demonstrations (ICSE Demo)*. pages 863-866, Germany, May, 2008.
- ISSTA'07 [26] **M. d'Amorim**, S. Lauterburg, and D. Marinov. Delta Execution for Efficient State-Space Exploration of Object-Oriented Programs. In *Proc. of the ACM/SIGSOFT International Symposium on Software Testing and Analysis (ISSTA)*, London, UK, pages 50-60. July, 2007.
- HotDep'07 [27] Y. Zhou, D. Marinov, W. Sanders, C. Zilles, **M. d'Amorim**, S. Lauterburg, R. Lefever, J. Tucek Delta Execution for Software Reliability. In *Proc. of the Workshop on Hot Topics in System Dependability (HotDep)*. Edinburgh, UK, 2007.
- ASE'06 [28] **M. d'Amorim**, C. Pacheco, T. Xie, D. Marinov, and M. D. Ernst. An empirical comparison of automated generation and classification techniques for object-oriented unit testing. In *IEEE/ACM International Symposium on Automated Software Engineering (ASE)*, pages 59-68, Tokyo, Japan. 2006.
- ICFEM'06 [29] **M. d'Amorim**, A. Sobeih, and D. Marinov. Optimized execution of deterministic blocks in Java PathFinder. In *International Conference on Formal Engineering Methods (ICFEM)*, pages 549-567. Macau, 2006.
- CAV'05 [30] **M. d'Amorim** and G. Roşu. Efficient Monitoring of Omega-Languages. In *Proc. of the Intl. Conference on Computer Aided Verification (CAV)*. pages 364-378. Edinburgh, UK, 2005.
- RV'05 [31] F. Chen, **M. d'Amorim** and G. Roşu. Checking and Correcting Behaviors of Java Programs at Runtime with Java-MOP. In *Proc. of the 5th Workshop on Runtime Verification (RV)*. pages 3-20. Edinburgh, Scotland, UK, 2005.
- JUCS'05 [32] **M. d'Amorim** and G. Roşu. An Equational Specification for the Scheme Language. In *Journal of Universal Computer Science (JUCS)*, 11(7), pages 1327-1348, 2005.
- WODA'05 [33] **M. d'Amorim** and K. Havelund. Event-Based Runtime Verification of Java Programs. In *Proc. of the ACM/SIGSOFT International Workshop on Dynamic Analysis (WODA)*. pages 15-21, St. Louis, MO, 2005.
- SBLP'05 [34] **M. d'Amorim** and G. Roşu. An Equational Specification for the Scheme Language. In *Proc. of the Simpósio Brasileiro de Linguagens de Programação (SBLP)*. pages 229-242, Recife, Brazil, June 2005.
- ICFEM'04 [35] F. Chen, **M. d'Amorim**, and G. Roşu. A Formal Monitoring-based Framework for Software Development and Analysis. In *Proc. of the International Conference on Formal Engineering Methods (ICFEM)*. pages 357-372, Seattle, WA, 2004.
- WGP'02 [36] **M. d'Amorim**, C. Nogueira, G. Santos, A. Souza, and P. Borba. Integrating Code Generation and Refactoring. In *Proc. of the Workshop on Generative Programming (ECOOP event)*. Málaga, Spain, June 2002.
- WLM-PSC'01 [37] **M. d'Amorim** and C. Ferraz. Designing Jini Distributed Services: A Framework to support the development of reliable component networks. In *Proc. of the Workshop on Language Mechanisms for Programming Software Components (OOPSLA event)*, Tampa Bay, FL, 2001.

Graduated Students

- MS'16 Paulo Barros, Static Analysis of Implicit Control Flow: Resolving Java Reflection and Android Intents.
- MS'15 Mateus Borges, qCORAL: Quantitative Constraint Solver for Complex Mathematical Constraints
- PhD'15 Sabrina Souto, Addressing High Dimensionality and Lack of Feature Models in Testing of Software Product Lines
- MS'12 Elton Alves, Improved Fault Localization with Dynamic Slicing and Change Impact Analysis
- MS'12 João Paulo Oliveira, Rabbit - A Novel Approach to Find Data Races in Concurrent Programs
Co-advised with Fernando Castor
- MS'10 Andrei Rimsa Alvares, Efficient Static Analysis to Find Tainted Variable Attacks
Co-advised with Fernando Pereira and Roberto Bigonha
- MS'09 Mitsuo Takaki, Effective CSP solvers with Particle-Swarm Optimization and Genetic Algorithms
Co-advised with Ricardo Prudêncio
- MS'08 Gláucia Peres, A Black-box Testing Technique for the Detection of Crashes Based on Automated Test Scenarios
Co-advised with Alexandre Mota

Dissertation Committee Member

- **Roberto S. M. de Barros Filho [2017]** MS. Advisor: Paulo Borba (UFPE)
- **Higor A. de Souza [2016]** PhD. Qual. Advisor: Fabio Kon (USP)
- **Gustavo H. L. Pinto [2015]** PhD. Advisor: Fernando Castor (UFPE)
- **Alexandre Locci Martins [2014]** MS. Advisor: Ana C. V. Melo (USP)
- **Felipe Ebert [2013]** MS. Advisor: Fernando Castor
- **João Paulo dos Santos Oliveira [2012]** MS. Advisor: Fernando Castor
- **Márcio de Medeiros Ribeiro [2012]** PhD. Advisor: Paulo Borba
- **Felype Santiago Pereira [2012]** MS. Advisor: Paulo Borba
- **Márcio de Medeiros Ribeiro [2011]** PhD Qual. Advisor: Paulo Borba
- **Luciano Soares de Souza [2011]** MS. Advisors: Flávia Barros and Ricardo Prudêncio
- **Andrei Rimsa Alvares [2010]** MS. Advisors: Fernando Pereira and Roberto Bigonha (UFMG)
- **Ayla Débora Dantas de Souza Rebouças [2010]** PhD. Advisor: Francisco Brasileiro (UFCEG)
- **Alberto Costa Neto [2010]** PhD. Advisor: Paulo Borba
- **Leopoldo Motta Teixeira [2010]** MS. Advisor: Paulo Borba
- **Alberto Costa Neto [2009]** PhD Qual. Advisor: Paulo Borba
- **Ayla Débora Dantas de Souza Rebouças [2009]** Ph.D. Qual. Advisor: Prof. Francisco Brasileiro (UFCEG).
- **Gláucia Boudoux Peres [2009]** MS. Advisor: Alexandre Mota.
- **Fernando Raposo da Camara Silva [2008]** MS. Advisor: Sílvio Meira.
- **Márcio de Medeiros Ribeiro [2008]** MS. Advisor: Paulo Borba.

Funding (I am the PI, if not mentioned.)

- 2017-2019 Lightweight Policy Enforcement of Information Flows in IoT Infrastructures
\$300K – RNP (+\$300K US team, funded by NSF). **BR team:** José A. Suruagy, Paulo A. S. Gonçalves, Kiev Gama, Marcelo d’Amorim. **US team:** Darko Marinov (UIUC) and Atul Prakash (UMich)
- 2015-2017 Redução do Consumo de Energia de Aplicações Paralelas Através de Técnicas de Reestruturação de Software
~\$50K – FACEPE Pronem. **PI:** Fernando Castor.
- 2014-2017 Addressing High Dimensionality in Configurable Systems
~\$11K – CNPq Universal.
- 2014-2016 Program Analysis with Human-in-the-Loop (**co-PI** with Martin Rinard).
~\$25K – MIT Brazil Global Seed Fund (**MISTI**).
- 2013-2015 Human-Centric Test Generation.
\$25K – Microsoft Software Engineering Foundation (**SEIF**) Award.
- 2011–2013 Safe Evolution for Software Product lines
~\$86K – Grand Challenges CNPq. **PI:** Paulo Borba. This project is a joint collaboration across the Federal Universities of Pernambuco (UFPE), Campina Grande (UFCG), and Rio Grande do Norte (UFRN).
- 2011–2013 Emergent Modularization for Software Product Lines
~\$47K – Universal CNPq. **PI:** Paulo Borba.
- 2008–2011 Product Line for Generation, Prioritization, and Execution of Tests
~\$30K – A subproject of INES: National Institute of Science and Technology for Software Engineering. This project was funded jointly by CNPq and FACEPE. Involved collaboration with 30+ faculty members and researchers from several academic institutions in Brazil.
- 2008-2010 Effective GUI Testing for Mobile Phones.
~\$20K – FACEPE startup package.

Teaching

- 1st/2 Term Compilers and Software Testing (Undergrads)
2nd/2 Term Compilers (Undergrads) and Software Testing (Graduate Students)
Other [Other courses taught since 2009] Functional Programming, Static Analysis, Introduction to Programming.

Talks

- 2017 Ongoing Projects at the UFPE Program Analysis Group, UFPE
2017 –, Massachusetts Institute of Technology (MIT), USA
2015 Model Counting for Software Analysis, Georgia Institute of Technology, USA
2014 Testing Software Product Lines with Incomplete Feature Models (ISSTA-SATADAYWS), Urbana (IL), USA
2014 Malware Detection in Android Apps. Georgia Tech Seminar. Atlanta (GA), USA
2013 Lightweight Testing for Configurable Software. Microsoft SEIF Workshop. Rio de Janeiro, Brazil
2012 Automated Software Testing: Projects and Challenges. UFPE
2012 Symbolic Execution with Interval Constraint Solving and Meta-Heuristic Search. Iowa State University
2012 –, University of Waterloo
2012 –, State University of New York (SUNY) at Buffalo
2012 –, University of Illinois at Urbana-Champaign
2012 Ongoing Research at the Program Analysis Group, UFPE
2011 Fault Localization Using Dynamic Slicing and Change-Impact Analysis (ASE). Lawrence (KS), USA
2011 Optimized Delta Execution for Efficient Mutation Testing (ASE-SOTA). Mountain View (CA), USA.
2011 CORAL: Solving Complex Constraints for Symbolic PathFinder (NFM). Pasadena (CA), USA.
2010 Ongoing research at the Program Analysis Group. UFMG
2010 Randomized Constraint Solving of Floating Point Constraints (NASA). Mountain View (CA), USA
2007 Efficient Explicit-State Model Checking for Programs with Dynamically Allocated Data. Urbana(IL), USA
2006 Optimized Execution of Deterministic Blocks in Java PathFinder (ASE). Macau, SAR-China
2006 An Empirical Comparison of Automated Generation of and Classification Techniques for Object-Oriented Unit Testing (ASE). Tokyo, Japan
2005 Event Based Runtime Verification of Java Programs. St Louis (MI), USA
2004 Dynamically Discovering Likely Program Invariants to Support Program Evolution (UIUC Programming Languages Seminar). Urbana (IL), USA

Service

Organization

- 2013 International Conference on Automated Software Engineering (ASE, Workshop and Tutorial co-chair)
2010 Brazilian Workshop on Systematic and Automated Software Testing (SAST co-chair)

Guest Editor

2017 Journal of Computer Science and Technology

Program Committees

2017 International Conference of Software Engineering (ICSE)

2017 International Conference on Software Testing, Verification, and Validation (ICST)

2017 International Conference on Automated Software Engineering (ASE)

2016 Brazilian Conference on Software (CBSOFT)

2016 International Conference on Automated Software Engineering (ASE)

2016 ICSE SEIP (Software Engineering in Practice)

2016 International Conference on Software Testing, Verification, and Validation (ICST)

2015 Brazilian Conference on Software (CBSOFT)

2015 International Symposium on Software Testing and Analysis (ISSTA)

2014 Java PathFinder Workshop (JPF Workshop)

2014 International Symposium on Software Testing and Analysis (ISSTA)

2014 International Conference of Software Engineering (ICSE SEIP track)

2013 Java PathFinder Workshop (JPF Workshop)

2013 Brazilian Conference on Software (CBSOFT)

2013 International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE)

2012 Brazilian Conference on Software (CBSOFT)

2012 International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE)

2012 International Conference on Automated Software Engineering (ASE)

2012 Constraints in Software Testing Verification and Analysis (CSTVA)

2012 Java PathFinder Workshop (JPF Workshop)

2011 Brazilian Conference on Software (CBSOFT)

2011 Java PathFinder Workshop (JPF Workshop)

2011 International Conference on Automated Software Engineering (ASE)

2011 Constraints in Software Testing Verification and Analysis (CSTVA)

2010 Brazilian Conference on Software (CBSOFT)

Invited Talks

2014 International Summer School on Training And Research On Testing (TAROT). Porto, Portugal.

2013 Microsoft SEIF Brazil Workshop. Rio de Janeiro, Brazil.

Tutorials

2011 Program dependencies and its applications. CBSOFT-SBLP

2008 Introduction to Software Testing. CBSOFT-SBMF

Journal Reviewer

2017 Journal of Software Engineering Research and Development (JSERD)

2017 Information and Software Technology (INFSOF)

2016 Software Quality Journal (SQJ)

2016 Science of Computer Programming (SCP)

2015 (2) IEEE Transactions on Software Engineering (TSE)

2015 Software Quality Journal (SQJO)

2015 Science of Computer Programming (SCP)

2014 IEEE Transactions on Software Engineering (TSE)

2013 Journal of Software Engineering Research and Development (JSERD)

2013 Automated Software Engineering Journal (AUSE/JASE)

2012 ACM Transactions on Software Engineering and Methodology (TOSEM)

2012 Information Processing Letters (IPL)

2012 Science of Computer Programming (SCP)

2012 IEEE Transactions on Computers (TC)

2011 Journal of the Brazilian Computer Society (JBOS)

2011 ACM Transactions on Software Engineering and Methodology (TOSEM)

2009 ACM Transactions on Software Engineering and Methodology (TOSEM)

2008 IET Software

2006 Journal of Automated Software Engineering (JASE)

Voluntary Reviewer

2014 ACM SIGSOFT Symposium on the Foundations of Software Engineering (FSE)

2013 International Conference on Software Testing, Verification, and Validation (ICST)

2013 International Conference on Automated Software Engineering (ASE)

2013 Runtime Verification (RV)

2010 IFIP International Conference on Testing Software and Systems (ICTSS)

2008 Formal Methods for Open Object-based Distributed Systems (FMOODS)
2008 Formal Methods (FM)
2008 International Conference on Automated Software Engineering (ASE)
2007 International Symposium on Software Testing and Analysis (ISSTA)
2007 IEEE Transactions on Computers
2007 Journal of Software Testing Verification and Reliability (STVR)
2007 International Symposium on Software Reliability Engineering (ISSRE)
2007 Model Based Testing (MBT)
2006 International Conference on Software Engineering (ICSE Research Demo)
2004 Programming Language Design and Implementation (PLDI)

References (sorted by last name)

Paulo Borba Federal University of Pernambuco
Michael Ernst University of Washington
Sarfraz Khurshid University of Texas at Austin
Darko Marinov (PhD advisor) University of Illinois at Urbana-Champaign
Alessandro Orso Georgia Institute of Technology
Corina S. Păsăreanu Carnegie Mellon University Silicon Valley & NASA Ames Research Center