Darko Marinov

Professor

Department of Computer Science

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Education 2005	Massachusetts Institute of Technology
2000	S.M. in Computer Science, Dissertation: "Credible Compilation", Minor: Mathematics (Combinatorics)
1997	School of Electrical Engineering, University of Belgrade Belgrade, Yugoslavia B.S. in Computer Science and Engineering
Research Interests	Software Engineering, in particular improving software quality; software testing; regression testing
Experience 01/05 – now	University of Illinois at Urbana-Champaign
03/22 - 09/22	Katana Graph, Inc. Austin, TX Senior Scientist, CTO: Chris Rossbach, Manager: Milos Gligoric
08/20 - 09/20	[Anonymous] Law Office
01/18 - 02/19	Runtime Verification, Inc Urbana, IL Chief Quality Officer, CEO: Grigore Rosu
01/13 – 06/13	Groupon, Inc
09/12 - 12/12	The University of Texas at Austin
09/98 – 12/04	Massachusetts Institute of Technology
06/03 - 08/03	Microsoft Research
05/02 - 08/02	IBM T. J. Watson Research Center
Awards&Honors Community Honor 2023	Fellow of Automated Software Engineering, bestowed by the ASE Steering Committee
Test-of-Time Papers 2019 2015 2012 More Paper Awards	ACM SIGSOFT Impact Paper Award for paper [C12] (ESEC/FSE 2005) ASE Most Influential Paper Award for paper [C2] (ASE 2001) ACM SIGSOFT Impact Paper Award for paper [C3] (ISSTA 2002)
2021 2017 2017 2016	ACM SIGSOFT Distinguished Paper Award for paper [C100] (ISSTA 2021) ACM SIGSOFT Distinguished Paper Award for paper [C74] (ESEC/FSE 2017) CHI Best Paper Award for paper [C73] (CHI 2017) ACM SIGSOFT Distinguished Paper Award for paper [C70] (ASE 2016)
2015 2010 2005 2002	ACM SIGSOFT Distinguished Paper Award for paper [C61] (ISSTA 2015) ACM SIGSOFT Distinguished Paper Award for paper [C31] (ICSE 2010) ACM SIGSOFT Distinguished Paper Award for paper [C12] (ESEC/FSE 2005) ACM SIGSOFT Distinguished Paper Award for paper [C3] (ISSTA 2002)
Advising 2022	CRA-E Undergraduate Research Faculty Mentoring Award

2020		Campus Award for Excellence in Guiding Undergraduate Research, UIUC
2014		Engineering Council Award for Excellence in Advising, University of Illinois at Urbana-Champaign
Teaching		
2021		UIUC "List of Teachers Ranked as Excellent by Their Students" for Fall 2021
2015		UIUC "List of Teachers Ranked as Excellent by Their Students" for Spring 2015
2006		UIUC "Incomplete List of Teachers Ranked as Excellent by Their Students" for Spring 2006
Reviewing		ere e intemplete hist er reachere raintet as Excenent of rich statents for spring 2000
2023		Reliable Rapid Response Reviewer for ESEC/FSE 2023
2023		Distinguished Reviewer Award for ESEC/FSE 2022
2022		Reliable Rapid Response Reviewer for ICSE SEIP 2022
2022		Distinguished PC Member Award for ASE 2021
		Reliable Rapid Response Reviewer for ASE 2020
2020		
2019		Distinguished Reviewer Award, Program Committee (PC) member for ICST 2019
2018		Reliable Rapid Response Reviewer for ICSE 2018
2017		Distinguished Reviewer Award, Expert-Review Panel (ERP) member for ASE 2017
More Awards&Ho		
2010		C.W. Gear Outstanding Junior Faculty Award, Department of Computer Science, UIUC
2010		Beckman Fellow, Center for Advanced Study, University of Illinois at Urbana-Champaign
2008		NSF Faculty Early Career Development (CAREER) Program Award
Publications		109 conference papers, 12 demo papers, 30 workshop papers, 10 journal papers, 1 book chapter, 2 articles
1 ublications		(acceptance rates for conference and demo papers listed as per the university requirements)
Conference paper		(acceptance rates for conference and demo papers instea as per the aniversity requirements)
		Faustino Aguilar, Samuel Grayson, and Darko Marinov. Reproducing and Improving the BugsInPy Dataset.
SCAW-Ct 2025		In Proc. of the 23rd IEEE International Working Conference on Source Code Analysis and Manipulation,
		Engineering Track, pages 260–264, Bogota, Colombia, Oct. 2023. (acceptance: 50%, 4/8)
ISSTA 2023	C108.	Yang Chen, Alperen Yildiz, Darko Marinov, and Reyhaneh Jabbarvand. Transforming Test Suites into
1001112020	0100.	Croissants. In Proc. of the ACM International Symposium on Software Testing and Analysis, pages 1080–
		1092, Seattle, WA, July 2023. (acceptance: 28%, 60/215)
REP 2023	C107	Samuel Grayson, Darko Marinov, Daniel S. Katz, and Reed Milewicz. Automatic Reproduction of Work-
NEI 2023	0107.	flows in the Snakemake Workflow Catalog and nf-core Registries. In <i>Proc. of the 1st ACM Conference on</i>
		Reproducibility and Replicability, pages 74–84, Santa Cruz, CA, June 2023. (acceptance: 53%, 9/17)
ICSE 2023	C106	Chunqiu Steven Xia, Saikat Dutta, Sasa Misailovic, Darko Marinov, and Lingming Zhang. Balancing
ICSE 2025	C100.	
		Effectiveness and Flakiness of Non-Deterministic Machine Learning Tests. In <i>Proc. of the 45th ACM/IEEE</i> <i>International Conference on Software Engineering</i> , pages 1805–1817, Melbourne, Australia, May 2023.
	C105	(acceptance: 27%, 209/796)
ICSE 2023	C105.	Shuai Wang, Xinyu Lian, Darko Marinov, and Tianyin Xu. Test Selection for Unified Regression Testing.
		In Proc. of the 45th ACM/IEEE International Conference on Software Engineering, pages 1691–1703,
	G 1 0 1	Melbourne, Australia, May 2023. (acceptance: 27%, 209/796)
ICSE 2022	C104.	Anjiang Wei, Pu Yi, Zhengxi Li, Tao Xie, Darko Marinov, and Wing Lam. Preempting Flaky Tests via
		Non-Idempotent-Outcome Tests. In Proc. of the 44th ACM/IEEE International Conference on Software
		Engineering, pages 1730–1742, Pittsburgh, PA, May 2022. (acceptance: 27%, 197/751)
TACAS 2022	C103.	Pu Yi, Hao Wang, Tao Xie, Darko Marinov, and Wing Lam. A Theoretical Analysis of Random Regres-
		sion Test Prioritization. In Proc. of the 28th International Conference on Tools and Algorithms for the
		Construction and Analysis of Systems, pages 217–235, Munich, Germany, Apr. 2022. (acc: 32%, 50/159)
ASPLOS 2022	C102.	Zirui Neil Zhao, Houxiang Ji, Adam Morrison, Darko Marinov, and Josep Torrellas. Pinned Loads: Taming
		Speculative Loads in Secure Processors. In Proc. of the 27th International Conference on Architectural
		Support for Programming Languages and Operating Systems, pages 314–328, Lausanne, Switzerland, Mar.
		2022. (acceptance: 21%, 80/397)
ICTSS-s 2021	C101.	Wenxi Wang, Pu Yi, Sarfraz Khurshid, and Darko Marinov. Initial Results on Counting Test Orders for
		Order-Dependent Flaky Tests using Alloy. In Proc. of the 33rd IFIP International Conference on Testing
		Software and Systems, pages 123–130, Virtual Conference, Nov. 2021. (Short paper) (acc: 64%, 23/36)
ISSTA 2021	C100.	Runxiang Cheng, Lingming Zhang, Darko Marinov, and Tianyin Xu. Test-Case Prioritization for Config-
		uration Testing. In Proc. of the ACM International Symposium on Software Testing and Analysis, pages
		452–465, Virtual Conference, July 2021. (acceptance: 22%, 51/233) This paper won an ACM SIGSOFT
		Distinguished Paper Award.
ICSE 2021	C99.	Peilun Zhang, Yanjie Jiang, Anjiang Wei, Victoria Stodden, Darko Marinov, and August Shi. Domain-
		Specific Fixes for Flaky Tests with Wrong Assumptions on Underdetermined Specifications. In <i>Proc. of</i>
		the 43rd ACM/IEEE International Conference on Software Engineering, pages 50–61, Virtual Conference,
		May 2021. (acceptance: 23%, 138/602)
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TACAS 2021	C98.	Anjiang Wei, Pu Yi, Tao Xie, Darko Marinov, and Wing Lam. Probabilistic and Systematic Coverage of Consecutive Test-Method Pairs for Detecting Order-Dependent Flaky Tests. In <i>Proc. of the 27th Interna-</i> <i>tional Conference on Tools and Algorithms for the Construction and Analysis of Systems</i> , pages 270–287,
OOPSLA 2020	C97.	Virtual Conference, Mar. 2021. (acceptance: 34%, 47/141) Wing Lam, Stefan Winter, Anjiang Wei, Tao Xie, Darko Marinov, and Jonathan Bell. A Large-Scale Longitudinal Study of Flaky Tests. In <i>Proc. of the 35th ACM SIGPLAN International Conference on Object-</i> <i>Oriented Programming, Systems, Languages, and Applications</i> , pages 202:1–202:29, Virtual Conference, Nov. 2020. (acceptance: 37%, 109/302)
ISSRE 2020	C96.	Wing Lam, Stefan Winter, Angello Astorga, Victoria Stodden, and Darko Marinov. Understanding Repro- ducibility and Characteristics of Flaky Tests Through Test Reruns in Java Projects. In <i>Proc. of the 31st</i> <i>IEEE International Symposium on Software Reliability Engineering</i> , pages 403–413, Virtual Conference, Oct. 2020. (acceptance: 26%, 38/148)
ISSRE 2020	C95.	Kaiyuan Wang, Allison Sullivan, Darko Marinov, and Sarfraz Khurshid. Fault Localization for Declarative Models in Alloy. In <i>Proc. of the 31st IEEE International Symposium on Software Reliability Engineering</i> , pages 391–402, Virtual Conference, Oct. 2020. (acceptance: 26%, 38/148)
MICRO 2020	C94.	Zirui Neil Zhao, Houxiang Ji, Mengjia Yan, Jiyong Yu, Christopher W. Fletcher, Adam Morrison, Darko Marinov, and Josep Torrellas. Speculation Invariance (InvarSpec): Faster Safe Execution Through Program Analysis. In <i>Proc. of the 53rd Annual IEEE/ACM International Symposium on Microarchitecture</i> , pages 1138–1152, Virtual Conference, Oct. 2020. (acceptance: 20%, 82/422)
CHI 2020	C93.	Emily M. Hastings, Albatool Alamri, Andrew Kuznetsov, Christine Pisarczyk, Karrie Karahalios, Darko Marinov, and Brian P. Bailey. LIFT: Integrating Stakeholder Voices into Algorithmic Team Formation. In <i>Proc. of the ACM Conference on Human Factors in Computing System</i> , pages 13, paper 668, Canceled Conference, Apr. 2020. (acceptance: 25%, 760/3126)
ICFEM 2019	C92.	Allison Sullivan, Darko Marinov, and Sarfraz Khurshid. Solution Enumeration Abstraction: A Modeling Idiom to Enhance a Lightweight Formal Method. In <i>Proc. of the 21st International Conference on Formal Engineering Methods</i> , pages 336–352, Shenzhen, China, Nov. 2019. (acceptance: 30%, 28/94)
ISSRE-per 2019	C91.	August Shi, Peiyuan Zhao, and Darko Marinov. Understanding and Improving Regression Test Selection in Continuous Integration. In <i>Proc. of the 30th IEEE International Symposium on Software Reliability Engineering</i> , pages 228–238, Berlin, Germany, Oct. 2019. (Practical experience report) (acc: 32%, 42/134)
OOPSLA 2019	C90.	August Shi, Milica Hadzi-Tanovic, Lingming Zhang, Darko Marinov, and Owolabi Legunsen. Reflection- Aware Static Regression Test Selection. In <i>Proc. of the 34th ACM SIGPLAN International Conference</i> <i>on Object-Oriented Programming, Systems, Languages, and Applications</i> , pages 187:1–187:29, Athens, Greece, Oct. 2019. (acceptance: 36%, 72/201)
ESEC/FSE 2019	C89.	August Shi, Wing Lam, Reed Oei, Tao Xie, and Darko Marinov. iFixFlakies: A Framework for Automati- cally Fixing Order-Dependent Flaky Tests. In <i>Proc. of the 27th ACM Joint European Software Engineering</i> <i>Conference and Symposium on the Foundations of Software Engineering</i> , pages 545–555, Tallinn, Estonia, Aug. 2019. (acceptance: 25%, 74/303)
ISSTA 2019	C88.	August Shi, Jonathan Bell, and Darko Marinov. Mitigating the Effects of Flaky Tests on Mutation Testing. In <i>Proc. of the ACM International Symposium on Software Testing and Analysis</i> , pages 112–122, Beijing, China, July 2019. (acceptance: 23%, 32/142)
OSS-i 2019	C87.	Brandon Carlson, Kevin Leach, Darko Marinov, Meiyappan Nagappan, and Atul Prakash. Open Source Vulnerability Notification. In <i>Proc. of the 15th International Conference on Open Source Systems</i> , pages 12–23, Montreal, Canada, May 2019. (Industry report) (acceptance: 43%, 15/35)
ICST 2019	C86.	Wing Lam, Reed Oei, August Shi, Darko Marinov, and Tao Xie. iDFlakies: A Framework for Detecting and Partially Classifying Flaky Tests. In <i>Proc. of the 12th IEEE International Conference on Software Testing, Verification and Validation</i> , pages 312–322, Xi'an, China, Apr. 2019. (acceptance: 29%, 31/110)
ICST 2019	C85.	Owolabi Legunsen, Yi Zhang, Milica Hadzi-Tanovic, Grigore Rosu, and Darko Marinov. Techniques for Evolution-Aware Runtime Verification. In <i>Proc. of the 12th IEEE International Conference on Software Testing, Verification and Validation</i> , pages 300–311, Xi'an, China, Apr. 2019. (acceptance: 29%, 31/110)
ICST 2019	C84.	Farah Hariri, August Shi, Vimuth Fernando, Suleman Mahmood, and Darko Marinov. Comparing Mutation Testing at the Levels of Source Code and Compiler Intermediate Representation. In <i>Proc. of the 12th IEEE International Conference on Software Testing, Verification and Validation</i> , pages 114–124, Xi'an, China, Apr. 2019. (acceptance: 29%, 31/110)
ASPLOS 2019	C83.	Abdulrahman Mahmoud, Radha Venkatagiri, Khalique Ahmed, Sasa Misailovic, Darko Marinov, Christo- pher W. Fletcher, and Sarita V. Adve. Minotaur: Adapting Software Testing Techniques for Hardware Er- rors. In <i>Proc. of the 24th International Conference on Architectural Support for Programming Languages</i>
CSCW 2018	C82.	<i>and Operating Systems</i> , pages 1087–1103, Providence, RI, Apr. 2019. (acceptance: 22%, 74/350) Emily M. Hastings, Farnaz Jahanbakhsh, Karrie Karahalios, Darko Marinov, and Brian P. Bailey. Structure or Nurture? The Effects of Team-Building Activities and Team Composition on Team Outcomes. In <i>Proc.</i> <i>of the 21st ACM Conference on Computer-Supported Cooperative Work and Social Computing</i> , pages 68:1–

		68:21, Jersey City, NJ, Nov. 2018. (acceptance: 26%, 185/722)
ISSRE 2018	C81.	Alex Gyori, Owolabi Legunsen, Farah Hariri, and Darko Marinov. Evaluating Regression Test Selection
		Opportunities in a Very Large Open-Source Ecosystem. In Proc. of the 29th IEEE International Symposium
		on Software Reliability Engineering, pages 112–122, Memphis, TN, Oct. 2018. (acceptance: 24%, 23/96)
ASE 2018	C80.	Michael Hilton, Jonathan Bell, and Darko Marinov. A Large-Scale Study of Test Coverage Evolution. In
		Proc. of the 33rd IEEE/ACM Conference on Automated Software Engineering, pages 53-63, Montpellier,
		France, Sept. 2018. (acceptance: 20%, 69/346)
ISSTA 2018	C79	August Shi, Alex Gyori, Suleman Mahmood, Peiyuan Zhao, and Darko Marinov. Evaluating Test-Suite
155171 2010	C1).	Reduction in Real-World Software Evolution. In Proc. of the ACM International Symposium on Software
		<i>Testing and Analysis</i> , pages 84–94, Amsterdam, Netherlands, July 2018. (acceptance: 24%, 31/130)
AD7 2019	C70	Kaiyuan Wang, Allison Sullivan, Darko Marinov, and Sarfraz Khurshid. Solver-based Sketching of Alloy
ABZ 2018	C/8.	
		Models using Test Valuations. In Proc. of the 6th International ABZ Conference on ASM, Alloy, B, TLA,
	077	VDM, and Z, pages 121–136, Southampton, UK, June 2018. (acceptance: 39%, 13/34)
ABZ 2018	C//.	Kaiyuan Wang, Allison Sullivan, Manos Koukoutos, Darko Marinov, and Sarfraz Khurshid. Systematic
		Generation of Non-Equivalent Expressions for Relational Algebra. In Proc. of the 6th International ABZ on
		Conference ASM, Alloy, B, TLA, VDM, and Z, pages 105–120, Southampton, UK, June 2018. (acceptance:
		39%, 13/34)
ICSE 2018	C76.	Jonathan Bell, Owolabi Legunsen, Michael Hilton, Lamyaa Eloussi, Tifany Yung, and Darko Marinov.
		DeFlaker: Automatically Detecting Flaky Tests. In Proc. of the 40th ACM/IEEE International Conference
		on Software Engineering, pages 433-444, Gothenburg, Sweden, May 2018. (acceptance: 21%, 105/502)
ICSE NIER 2018	C75.	Tianyin Xu and Darko Marinov. Mining Container Image Repositories for Software Configurations and
10021112112010	0701	Beyond. In Proc. of the 40th ACM/IEEE International Conference on Software Engineering, New Ideas
		and Emerging Results, pages 49–52, Gothenburg, Sweden, May 2018. (acceptance: 27%, 25/95)
ESEC/ESE 2017	C74	Michael Hilton, Nicholas Nelson, Timothy Tunnell, Darko Marinov, and Danny Dig. Trade-Offs in Con-
ESEC/I'SE 2017	C/4.	tinuous Integration: Assurance, Security, and Flexibility. In <i>Proc. of the 11th joint meeting of the European</i>
		Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software En-
		gineering, pages 197–207, Paderborn, Germany, Sept. 2017. (acceptance: 25%, 72/294) This paper won an
		ACM SIGSOFT Distinguished Paper Award.
CHI 2017	C73.	Farnaz Jahanbakhsh, Wai-Tat Fu, Karrie Karahalios, Darko Marinov, and Brian Bailey. You Want Me to
		Work with Who? Stakeholder Perceptions of Automated Team Formation in Project-based Courses. In
		Proc. of the 35th Annual ACM Conference on Human Factors in Computing System, pages 3201–3212,
		Denver, CO, May 2017. (acceptance: ~25% of 2,424 submissions) This paper won a CHI Best Paper Award.
FSE 2016	C72.	Owolabi Legunsen, Farah Hariri, August Shi, Yafeng Lu, Lingming Zhang, and Darko Marinov. An Ex-
		tensive Study of Static Regression Test Selection in Modern Software Evolution. In Proc. of the 24th ACM
		SIGSOFT International Symposium on the Foundations of Software Engineering, pages 583–594, Seattle,
		WA, Nov. 2016. (acceptance: 28%, 74/273)
ISSRE 2016	C71.	Farah Hariri, August Shi, Hayes Converse, Darko Marinov, and Sarfraz Khurshid. Evaluating the Effects
		of Compiler Optimizations on Mutation Testing at the Compiler IR Level. In Proc. of the 27th IEEE
		International Symposium on Software Reliability Engineering, pages 105–115, Ottawa, Canada, Oct. 2016.
		(acceptance: 35%, 45/130)
ASE 2016	C70	Owolabi Legunsen, Wajih Ul Hassan, Xinyue Xu, Grigore Roşu, and Darko Marinov. How Good are the
ASE 2010	C70.	Specs? A Study of the Bug-Finding Effectiveness of Existing Java API Specifications. In <i>Proc. of the 31st</i>
		<i>IEEE/ACM Conference on Automated Software Engineering</i> , pages 602–613, Singapore, Singapore, Sept.
	0(0	2016. (acceptance: 20%, 57/298) This paper won an ACM SIGSOFT Distinguished Paper Award.
ASE 2016	C69.	Michael Hilton, Timothy Tunnell, Kai Huang, Darko Marinov, and Danny Dig. Usage, Costs, and Ben-
		efits of Continuous Integration in Open-Source Projects. In Proc. of the 31st IEEE/ACM Conference on
		Automated Software Engineering, pages 426–437, Singapore, Singapore, Sept. 2016. (acc: 20%, 57/298)
ASE 2016	C68.	Mohammad Amin Alipour, August Shi, Rahul Gopinath, Darko Marinov, and Alex Groce. Evaluating
		Non-Adequate Test-Case Reduction. In Proc. of the 31st IEEE/ACM Conference on Automated Software
		Engineering, pages 16–26, Singapore, Singapore, Sept. 2016. (acceptance: 20%, 57/298)
ICSE 2016	C67.	Danny Dig, Ralph Johnson, Darko Marinov, Brian Bailey, and Don Batory. COPE: Vision for a Change-
V2025		Oriented Programming Environment. In Proc. of the 38th ACM/IEEE International Conference on Software
		Engineering, Visions of 2025 and Beyond, pages 773–776, Austin, TX, May 2016. (acceptance: 48%, 9/19)
ICST 2016	C66.	August Shi, Alex Gyori, Owolabi Legunsen, and Darko Marinov. Detecting Assumptions on Deterministic
		Implementations of Non-deterministic Specifications. In Proc. of the Ninth IEEE International Conference
		on Software Testing, Verification and Validation, pages 80–90, Chicago, IL, Apr. 2016. (acc: 27%, 34/130)
ASE 2015	C65	Ziyi Lin, Darko Marinov, Hao Zhong, Yuting Chen, and Jianjun Zhao. JaConTeBe: A Benchmark Suite of
100 2013	000.	Real-World Java Concurrency Bugs. In Proc. of the 30th IEEE/ACM Conference on Automated Software
		Engineering, pages 178–189, Lincoln, NE, Nov. 2015. (acceptance: 21%, 60/289)
	C64	
ESEC/FSE 2015	C04.	August Shi, Tifany Yung, Alex Gyori, and Darko Marinov. Comparing and Combining Test-Suite Reduction

		and Regression Test Selection. In Proc. of the 10th joint meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering, pages 237–247, Bergamo, Italy, Sept. 2015. (acceptance: 26%, 74/291)
SPLC 2015	C63.	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 <i>Proc. of the 19th International Software Product Line Conference</i> , pages 151–160, Nashville, TN, July 2015. (acceptance: 32%, 17/54)
ISSTA 2015	C62.	Alex Gyori, August Shi, Farah Hariri, and Darko Marinov. Reliable Testing: Detecting State-Polluting Tests to Prevent Test Dependency. In <i>Proc. of the ACM International Symposium on Software Testing and Analysis</i> , pages 223–233, Baltimore, MD, July 2015. (acceptance: 28%, 33/119)
ISSTA 2015	C61.	Milos Gligoric, Lamyaa Eloussi, and Darko Marinov. Practical Regression Test Selection with Dynamic File Dependencies. In <i>Proc. of the ACM International Symposium on Software Testing and Analysis</i> , pages 211–222, Baltimore, MD, July 2015. (acceptance: 28%, 33/119) This paper won an ACM SIGSOFT Distinguished Paper Award .
ICSE NIER 2015	C60.	Owolabi Legunsen, Darko Marinov, and Grigore Roşu. Evolution-Aware Monitoring-Oriented Program- ming. In <i>Proc. of the 37th ACM/IEEE International Conference on Software Engineering, New Ideas and Emerging Results</i> , pages 615–618, Florence, Italy, May 2015. (acceptance: 19%, 25/135)
ICSE 2015	C59.	Yun Young Lee, Darko Marinov, and Ralph Johnson. Tempura: Temporal Dimension for IDEs. In <i>Proc.</i> of the 37th ACM/IEEE International Conference on Software Engineering, pages 212–222, Florence, Italy, May 2015. (acceptance: 19%, 84/452)
FSE 2014	C58.	Qingzhou Luo, Farah Hariri, Lamyaa Eloussi, and Darko Marinov. An Empirical Analysis of Flaky Tests. In <i>Proc. of the 22nd ACM SIGSOFT International Symposium on the Foundations of Software Engineering</i> , pages 643–653, Hong Kong, China, Nov. 2014. (acceptance: 23%, 61/273) This paper was nominated for ACM SIGSOFT Distinguished Paper award .
FSE 2014	C57.	August Shi, Alex Gyori, Milos Gligoric, Andrey Zaytsev, and Darko Marinov. Balancing Trade-offs in Test-suite Reduction. In <i>Proc. of the 22nd ACM SIGSOFT International Symposium on the Foundations of Software Engineering</i> , pages 246–256, Hong Kong, China, Nov. 2014. (acceptance: 23%, 61/273)
ASE 2014	C56.	Milos Gligoric, Stas Negara, Owolabi Legunsen, and Darko Marinov. An Empirical Evaluation and Com- parison of Manual and Automated Test Selection. In <i>Proc. of the 29th IEEE/ACM Conference on Automated</i> <i>Software Engineering</i> , pages 361–372, Vasteras, Sweden, Sept. 2014. (acceptance: 20%, 55/276)
CAV 2014	C55.	Milos Gligoric, Rupak Majumdar, Rohan Sharma, Lamyaa Eloussi, and Darko Marinov. Regression Test Selection for Distributed Software Histories. In <i>Proc. of the 26th International Conference on Computer</i> <i>Aided Verification</i> , pages 293–309, Vienna, Austria, July 2014. (acceptance: 27%, 46/175)
ASE 2013	C54.	Lingming Zhang, Milos Gligoric, Darko Marinov, and Sarfraz Khurshid. Operator-based and Random Mutant Selection: Better Together. In <i>Proc. of the 28th IEEE/ACM Conference on Automated Software Engineering</i> , pages 92–102, Palo Alto, CA, Nov. 2013. (acceptance: 17%, 43/258)
Onward! 2013	C53.	Aleksandar Milicevic, Daniel Jackson, Milos Gligoric, and Darko Marinov. Model-Based, Event-Driven Programming Paradigm for Interactive Web Applications. In <i>Proc. of the Fourth Annual ACM International</i> <i>Conference on Systems, Programming, Languages and Applications: Software for Humanity (SPLASH),</i> <i>Onward! Research Papers</i> , pages 17–36, Indianapolis, IN, Oct. 2013. (acceptance: 41%, 11/27)
ESEC/FSE 2013	C52.	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 Config- urable Systems. In <i>Proc. of the 9th joint meeting of the European Software Engineering Conference and the</i> <i>ACM SIGSOFT Symposium on the Foundations of Software Engineering</i> , pages 257–267, St. Petersburg, Russia, Aug. 2013. (acceptance: 21%, 51/251)
ISSTA 2013	C51.	Milos Gligoric, Alex Groce, Chaoqiang Zhang, Rohan Sharma, Mohammad Amin Alipour, and Darko Marinov. Comparing Non-Adequate Test Suites using Coverage Criteria. In <i>Proc. of the ACM International Symposium on Software Testing and Analysis</i> , pages 302–313, Lugano, Switzerland, July 2013. (acceptance: 26%, 32/124) This paper was invited for journal submission .
ISSTA 2013	C50.	Lingming Zhang, Darko Marinov, and Sarfraz Khurshid. Faster Mutation Testing Inspired by Test Priori- tization and Reduction. In <i>Proc. of the ACM International Symposium on Software Testing and Analysis</i> , pages 235–245, Lugano, Switzerland, July 2013. (acceptance: 26%, 32/124)
ECOOP 2013	C49.	Milos Gligoric, Farnaz Behrang, Yilong Li, Jeffrey Overbey, Munawar Hafiz, and Darko Marinov. System- atic Testing of Refactoring Engines on Real Software Projects. In <i>Proc. of the 27th European Conference on</i> <i>Object-Oriented Programming</i> , pages 629–653, Montpellier, France, July 2013. (acceptance: 25%, 29/116)
ICSE NIER 2013	C48.	Yun Young Lee, Sam Harwell, Sarfraz Khurshid, and Darko Marinov. Temporal Code Completion and Navigation. In <i>Proc. of the 35th ACM/IEEE International Conference on Software Engineering, New Ideas and Emerging Results</i> , pages 1181–1184, San Francisco, CA, May 2013. (acceptance: 22%, 31/143)
ICSE 2013	C47.	Adrian Nistor, Linhai Song, Darko Marinov, and Shan Lu. Toddler: Detecting Performance Problems via Similar Memory-Access Patterns. In <i>Proc. of the 35th ACM/IEEE International Conference on Software</i>

ISSTA 2012	C46.	<i>Engineering</i> , pages 562–571, San Francisco, CA, May 2013. (acceptance: 19%, 85/461) Lingming Zhang, Darko Marinov, Lu Zhang, and Sarfraz Khurshid. Regression Mutation Testing. In <i>Proc.</i> <i>of the ACM International Symposium on Software Testing and Analysis</i> , pages 331–341, Minneapolis, MN, July 2012. (acceptance: 29%, 31/108)
FMOODS & FORTE 2012	C45.	Samira Tasharofi, Rajesh K. Karmani, Steven Lauterburg, Axel Legay, Darko Marinov, and Gul Agha. TransDPOR: A Novel Dynamic Partial-Order Reduction for Testing Actor Programs. In <i>Proc. of the joint</i> <i>international conference Formal Methods for Open Object-Based Distributed Systems and Formal Tech-</i> <i>niques for Networked and Distributed Systems</i> , volume 7273 of <i>LNCS</i> , pages 219–234, Stockholm, Sweden, June 2012. (acceptance: 39%, 16/42)
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ICFEM 2005	C13.	Ahmed Sobeih, Mahesh Viswanathan, Darko Marinov, and Jennifer Hou. Finding Bugs in Network Proto- cols Using Simulation Code and Protocol-Specific Heuristics. In <i>Proc. of the 7th International Conference</i> <i>on Formal Engineering Methods</i> , volume 3785 of <i>LNCS</i> , pages 235–250, Manchester, UK, Nov. 2005. (acceptance: 41%, 30/74)
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- ISSTA 2002
 C3. Chandrasekhar Boyapati, Sarfraz Khurshid, and Darko Marinov. Korat: Automated Testing Based on Java Predicates. In *Proc. of the International Symposium on Software Testing and Analysis*, pages 123–133, Rome, Italy, July 2002. (acceptance: 19%, 18/97) This paper won an ACM SIGSOFT Distinguished Paper Award in 2002. This paper also won an ACM SIGSOFT Impact Paper Award in 2012.
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Demo papers

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- DSN-t 2019 D11. Radha Venkatagiri, Khalique Ahmed, Abdulrahman Mahmoud, Sasa Misailovic, Darko Marinov, Christopher W. Fletcher, and Sarita V. Adve. gem5-Approxilyzer: An Open-Source Tool for Application-level Soft Error Analysis. In *Proc. of the 49th IEEE/IFIP International Conference on Dependable Systems and Networks*, pages 214–221, Portland, OR, June 2019. (Tool paper) (acceptance: 22%, 54/252)
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WAX 2019	W28.	Phoenix, AZ, June 2019 Vimuth Fernando, Keyur Joshi, Darko Marinov, and Sasa Misailovic. Identifying Optimal Parameters for Approximate Randomized Algorithms. In <i>the Workshop on Approximate Computing Across the Stack</i> ,
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SQAMIA 2017	W26.	Improvement, and Applications, pages 8:1–8:7, Novi Sad, Serbia, Aug. 2018 Allison Sullivan, Kaiyuan Wang, Sarfraz Khurshid, and Darko Marinov. Evaluating State Modeling Tech- niques in Alloy. In the 6th Workshop on Software Quality Analysis, Monitoring, Improvement, and Appli-
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Scala Days 2011	W20.	<i>End-to-End Test Script Engineering</i> , pages 38–41, Toronto, Canada, July 2011 Samira Tasharofi, Milos Gligoric, Darko Marinov, and Ralph Johnson. Setac: A Framework for Phased Deterministic Testing of Scala Actor Programs. In <i>the Second Scala Workshop</i> , Stanford, CA, June 2011
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Conference SC 2019 – now 2017 – 2023 2015 – 2018 2014 – 2021 Conf. Co-Organizer 2021 2020 2019 2018 2017 2016 2015 2014 2012 Conference PC 2024 2024 2024 2022 2022	 Steering Committee Member, International Conference on Automated Software Engineering (ASE) Steering Committee Member, International Conference on Software Testing, Verification, and Validation (ICST) Steering Committee Member, International Symposium on Software Testing and Analysis (ISSTA) Joint meeting of International Symposium on Software Testing and Analysis (ISSTA 2021) and 35th European Conference on Object-Oriented Programming (ECOOP 2021), Sponsorship Co-Chair 42nd ACM/IEEE International Conference on Software Testing and Analysis (ISSTA 2021) and 35th European Conference on Object-Oriented Programming (ECOOP 2021), Sponsorship Co-Chair 42nd ACM/IEEE International Conference on Software Engineering (ICSE 2020), PC Co-Chair 34th IEEE/ACM International Conference on Automated Software Engineering (ASE 2019), PC Co-Chair 300 Demo Track at 33rd Conference on Automated Software Engineering (ASE 2017), Finance Chair Visions and Reflections Track at 24th ACM SIGSOFT Symposium on FSE (FSE VaR 2016), PC Co-Chair Tool Demonstration Track at 22nd ACM SIGSOFT Symposium on FSE (FSE Demo 2014), PC Co-Chair Tool Demonstration Track at 22nd ACM SIGSOFT Symposium on FSE (FSE Demo 2014), PC Co-Chair Toh Demonstration Track at 22nd ACM SIGSOFT Symposium on FSE (FSE Demo 2014), PC Co-Chair Toh Conference on Automated Software Engineering (ASE 2024) 46th ACM/IEEE International Conference on Software Engineering (ASE 2024) 46th ACM/IEEE International Conference on Software Engineering (ICSE 2024) ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE 2023) 37th IEEE/ACM International Conference on Automated Software Engineering (ASE 2022) ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE 2022) ACM Joint European Software Engin
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2020	International Symposium on Software Testing and Analysis (ISSTA 2020)
2019	Programming Language Design and Implementation (PLDI 2019), External Review Committee
2019	41st ACM/IEEE International Conference on Software Engineering (ICSE 2019), Program Board (PB)
2019	12th International Conference on Software Testing, Verification, and Validation (ICST 2019)
2018	40th ACM/IEEE International Conference on Software Engineering (ICSE 2018)
2017	32nd IEEE/ACM Conference on Automated Software Engineering (ASE 2017), Expert-Review Panel
2017	39th ACM/IEEE International Conference on Software Engineering (ICSE 2017), Program Board (PB)
2017	23rd Conference on Tools and Algorithms for the Construction and Analysis of Systems (TACAS 2017)
2016	31st IEEE/ACM Conference on Automated Software Engineering (ASE 2016)
2016	9th International Conference on Software Testing, Verification, and Validation (ICST 2016)
2015	30th IEEE/ACM Conference on Automated Software Engineering (ASE 2015)
2015	27th International Conference on Computer Aided Verification (CAV 2015)
2014	Tenth Haifa Verification Conference (HVC 2014)
2014	29th IEEE/ACM Conference on Automated Software Engineering (ASE 2014), Expert-Review Panel
2014	36th International Conference on Software Engineering (ICSE 2014)
2014	7th International Conference on Software Testing, Verification, and Validation (ICST 2014)
2014	28th IEEE/ACM Conference on Automated Software Engineering (ASE 2013)
2013	4th International Conference on Runtime Verification (RV 2013)
2013	International Symposium on Software Testing and Analysis (ISSTA 2013)
2012	20th ACM SIGSOFT International Symposium on the Foundations of Software Engineering (FSE 2012)
2012	Object-oriented Programming, Systems, Languages, and Applications (OOPSLA 2012)
2012	27th IEEE/ACM Conference on Automated Software Engineering (ASE 2012), Expert-Review Panel
2012	International Symposium on Software Testing and Analysis (ISSTA 2012)
2012	ABZ Conference on Abstract State Machines (ASM), Alloy, B and Z (ABZ 2012), Alloy Track
2012	34th International Conference on Software Engineering (ICSE 2012)
2012	5th International Conference on Software Testing, Verification, and Validation (ICST 2012)
2011	26th IEEE/ACM Conference on Automated Software Engineering (ASE 2011)
2011	9th International Symposium on Automated Technology for Verification and Analysis (ATVA 2011)
2011	33rd International Conference on Software Engineering (ICSE 2011)
2011	4th International Conference on Software Testing, Verification, and Validation (ICST 2011)
2010	25th IEEE/ACM Conference on Automated Software Engineering (ASE 2010)
2010	International Symposium on Software Testing and Analysis (ISSTA 2010)
2010	ABZ Conference on Abstract State Machines (ASM), Alloy, B and Z (ABZ 2010), Alloy Track
2009	24th IEEE/ACM Conference on Automated Software Engineering (ASE 2009)
2009	20th IEEE International Symposium on Software Reliability Engineering (ISSRE 2009)
2009	3rd IEEE International Symposium on Theoretical Aspects of Software Engineering (TASE 2009)
2009	International Symposium on Software Testing and Analysis (ISSTA 2009)
2009	Programming Language Design and Implementation (PLDI 2009), External Review Committee
2009	2nd International Conference on Software Testing, Verification, and Validation (ICST 2009)
2009	19th IEEE International Symposium on Software Reliability Engineering (ISSRE 2008)
2008	16th ACM SIGSOFT International Symposium on the Foundations of Software Engineering (FSE 2008)
2008	23rd IEEE/ACM Conference on Automated Software Engineering (ASE 2008)
2007	22nd IEEE/ACM Conference on Automated Software Engineering (ASE 2007), Expert-Review Panel
2007	18th IEEE International Symposium on Software Reliability Engineering (ISSRE 2007)
2007	International Symposium on Software Testing and Analysis (ISSTA 2007)
Specialized Tracks	
2024	Doctoral Symposium at International Conference on Software Engineering (ICSE DS 2024)
2023	International Conference on Software Engineering, Software Engineering in Practice (ICSE SEIP 2023)
2023	International Conference on Software Engineering, New Ideas and Emerging Results (ICSE NIER 2023)
2022	Doctoral Symposium at International Symposium on Software Testing and Analysis (ISSTA DS 2022)
2022	International Conference on Software Engineering, Software Engineering in Practice (ICSE SEIP 2022)
2017	Doctoral Symposium at 32nd IEEE/ACM Conference on Automated Software Engineering (ASE DS 2017)
2017	Doctoral Symposium at International Symposium on Software Testing and Analysis (ISSTA DS 2017)
2017	International Conference on Software Engineering, New Ideas and Emerging Results (ICSE NIER 2017)
2016	Doctoral Symposium at 24th ACM SIGSOFT Symposium on FSE (FSE DS 2016)
2015	Doctoral Symposium at the 10th joint meeting of ESEC and FSE (ESEC/FSE DS 2015)
2015	International Symposium on Software Testing and Analysis, Demo track (ISSTA Demo 2015)
2013	Doctoral Symposium at 28th IEEE/ACM Conference on Automated Software Engineering (ASE DS 2013)
2013	35th International Conference on Software Engineering, Mentoring Program (ICSE MP 2013)
2010	Doctoral Symposium at 25th IEEE/ACM Conference on Automated Software Engineering (ASE DS 2010)
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2008	IEEE International Symposium on Software Reliability Engineering (ISSRE 2008), Student Papers Track
2008	International Conference on Software Testing, Verification and Validation (ICST 2008), Student Papers Track
2006	International Conference on Software Engineering, Research Demonstrations (ICSE Demo 2006)
Work. Co-organizer	
2017	Java PathFinder Workshop (JPF 2017)
2017	Workshop on Testing Embedded and Cyber-Physical Systems (TECPS 2017)
2016	Testing: Academia-Industry Collaboration, Practice and Research Techniques (TAIC PART 2016)
2016	38th International Conference on Software Engineering (ICSE 2016), Workshops Committee member
2011	Working Session on Parallel Programming Tools at the UPCRC Symposium, Intel, Santa Clara, CA
2011	Workshop on State-space Exploration for Automated Testing (SSEAT 2011)
2011	Workshop on the State of the Art in Automated Software Engineering Research (SOTA 2011)
2010	Workshop on State-space Exploration for Automated Testing (SSEAT 2010)
2009	Workshop on State-space Exploration for Automated Testing (SSEAT 2009)
2009	Software Testing Education Workshop (STEW 2009)
2008	Workshop on State-space Exploration for Automated Testing (SSEAT 2008)
Workshop PC	The let International Workshop on Test Elekiness (ETW 2024)
2024	The 1st International Workshop on Test Flakiness (FTW 2024)
2023	Java PathFinder Workshop (JPF 2023) Supergy between Software Engineering and Programming Languages Communities (SySERI 2020)
2020	Synergy between Software Engineering and Programming Languages Communities (SySEPL 2020)
2019	Workshop on Benchmark Engineering for Software Engineering (BESE 2019)
2019 2018	Workshop on Verification and Validation of Internet of Things (VVIoT 2019) Java PathFinder Workshop (JPF 2018)
2018	Workshop on Verification and Validation of Internet of Things (VVIoT 2018)
2018	Testing: Academia-Industry Collaboration, Practice and Research Techniques (TAIC PART 2018)
2013	Testing: Academia-Industry Collaboration, Practice and Research Techniques (TAIC PART 2017)
2017	5th Workshop on Constraints in Software Testing, Verification and Analysis (CSTVA 2013)
2012	Java PathFinder Workshop (JPF 2012)
2012	4th Workshop on Constraints in Software Testing, Verification and Analysis (CSTVA 2012)
2011	Ninth International Workshop on Dynamic Analysis (WODA 2011)
2011	End-to-end Test Script Engineering Workshop (ETSE 2011)
2011	18th International SPIN Workshop on Model Checking Software (SPIN 2011)
2011	3rd Workshop on Constraints in Software Testing, Verification and Analysis (CSTVA 2011)
2010	4th International Workshop on Advances and Innovations in Systems Testing (STEP 2010)
2010	2nd Workshop on Constraints in Software Testing, Verification and Analysis (CSTVA 2010)
2010	6th Workshop on Model Based Testing (MBT 2010)
2009	Workshop on Specification and Verification of Component Based Systems (SAVCBS 2009)
2009	3rd International Workshop on Advances and Innovations in Systems Testing (STEP 2009)
2009	5th Workshop on Model Based Testing (MBT 2009)
2008	Workshop on Specification and Verification of Component Based Systems (SAVCBS 2008)
2008	2nd International Workshop on Advances and Innovations in Systems Testing (STEP 2008)
2008	4th Workshop on Model Based Testing (MBT 2008)
2007	5th International Workshop on Dynamic Analysis (WODA 2007)
2007	3rd Workshop on Model Based Testing (MBT 2007)
2006	3rd International Workshop on Software Quality Assurance (SOQUA 2006)
2006	4th International Workshop on Dynamic Analysis (WODA 2006)
2006	2nd Workshop on Model Based Testing (MBT 2006)
2004 Free din a Freebootian	4th MIT Student Oxygen Workshop (MIT SOW 2004)
Funding Evaluation	2 penals at the National Science Foundation (NSF), via Zoom
2021 2021	2 panels at the National Science Foundation (NSF), via Zoom 1 proposal for the Natural Sciences and Engineering Research Council of Canada (NSERC), remotely
2021	1 proposal for the National Research Fund (FNR), Luxembourg, remotely
2021	4 proposals for the National Science Foundation (NSF), remotely
2020	2 proposals for the National Research Fund (FNR), Luxembourg, remotely
2020	1 proposal for University Grants Committee Research Grants Council (UGC/RGC), Hong Kong, remotely
2019	2 panels at the National Science Foundation (NSF), Alexandria, VA
2019	1 proposal for the Qatar National Research Fund (QNRF), Qatar, remotely
2018	1 panel at the National Science Foundation (NSF), Alexandria, VA
2018	1 proposal for the National Research Fund (FNR), Luxembourg, remotely
2017	2 panels at the National Science Foundation (NSF), Arlington, VA
2017	1 proposal for the National Research Fund (FNR), Luxembourg, remotely

	1 proposal for University Grants Committee Research Grants Council (UGC/RGC), Hong Kong, remotely
2017 2016	1 panel at the National Science Foundation (NSF), Arlington, VA
2016	1 proposal for the Natural Sciences and Engineering Research Council of Canada (NSERC), remotely
2016	1 proposal for the National Research Fund (FNR), Luxembourg, remotely
2015	1 panel at the National Science Foundation (NSF), Arlington, VA
2015	1 proposal for the National Research Fund (FNR), Luxembourg, remotely
2015	1 proposal for the Qatar National Research Fund (QNRF), Qatar, remotely
2014	2 panels at the National Science Foundation (NSF), Arlington, VA
2014	1 proposal for the Qatar National Research Fund (QNRF), Qatar, remotely
2013	1 proposal for the University Research Board of the American University of Beirut, Lebanon, remotely
2013	1 post-doc proposal for the Swiss National Science Foundation (SNF), Switzerland, remotely
2012	1 proposal for the University Research Board of the American University of Beirut, Lebanon, remotely
2010	2 panels at the National Science Foundation (NSF), Arlington, VA
2009	1 proposal for the Air Force Office of Scientific Research (AFOSR), remotely
2008	2 panels at the National Science Foundation (NSF), Arlington, VA
2007	2 panels at the National Science Foundation (NSF), Arlington, VA
2005	1 panel at the National Science Foundation (NSF), Arlington, VA
Award Evaluation	
2023	ACM SRC Graduate Students Panel at ACM Tapia 2023 conference, judge
2022	ESEC/FSE 2022 Test of Time Award, committee member
2022	ASE Most Influential Paper Award Committee, committee member
	1
2021	ACM SIGSOFT Impact Paper Award Committee, committee Chair
2020	IEEE Computer Science TCSE New Directions Award Committee, committee member
2020	ACM SIGSOFT Impact Paper Award Committee, committee member
2018	ICST 2008 Most Influential Paper Committee, committee Chair
2015	ACM SIGSOFT Impact Paper Award Committee, committee Chair
2014	Award Selection Committee, Haifa Verification Conference (HVC 2014), committee member
2013	Award Selection Committee, Haifa Verification Conference (HVC 2013), committee member
Program Evaluation	
2021	Texas Higher Ed NRUF Review, Computer Science Department, UT San Antonio, expert reviewer, via Zoom
Journal Editor	
2015 - 2017	Guest Co-Editor, special issue of Software Testing, Verification and Reliability (STVR) journal
University (Selected)	
2023 – now	Director of Graduate Studies, 2,600+ students in 8 graduate programs, Dept. of Computer Science, UIUC
2021 – now	PhD Job Search Seminar, Dept. of Computer Science, UIUC, Organizer
2021 – now	Promotions & Tenure Committee, Dept. of Computer Science, UIUC, Member
2020 - 2023	
	Associate Director of Graduate Studies, Dept. of Computer Science, UIUC
	Associate Director of Graduate Studies, Dept. of Computer Science, UIUC Management Team, Dept. of Computer Science, UIUC, Member
2020 – now	Management Team, Dept. of Computer Science, UIUC, Member
2020 – now 2018 – now	Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member
2020 – now 2018 – now 2018 – 2020	Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator
2020 – now 2018 – now 2018 – 2020 2018 – 2019	Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member
2020 – now 2018 – now 2018 – 2020 2018 – 2019 2018	Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member Summer Research Program for Undergraduates, 50+ students, Computer Science, UIUC, Co-organizer
2020 – now 2018 – now 2018 – 2020 2018 – 2019 2018 2016 – 2018	Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member Summer Research Program for Undergraduates, 50+ students, Computer Science, UIUC, Co-organizer Fellowships, Assistantships & Admissions (FAA) Committee, Dept. of Computer Science, UIUC, Chair
2020 – now 2018 – now 2018 – 2020 2018 – 2019 2018 2016 – 2018 2014 – now	Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member Summer Research Program for Undergraduates, 50+ students, Computer Science, UIUC, Co-organizer Fellowships, Assistantships & Admissions (FAA) Committee, Dept. of Computer Science, UIUC, Chair PILOT Seminar for practice academic job talks, Dept. of Computer Science, UIUC, Co-organizer
2020 - now 2018 - now 2018 - 2020 2018 - 2019 2018 2016 - 2018 2014 - now 2014 - 2015	Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member Summer Research Program for Undergraduates, 50+ students, Computer Science, UIUC, Co-organizer Fellowships, Assistantships & Admissions (FAA) Committee, Dept. of Computer Science, UIUC, Chair PILOT Seminar for practice academic job talks, Dept. of Computer Science, UIUC, Co-organizer Graduate College Fellowship Board Executive Committee, UIUC, Member
2020 - now 2018 - now 2018 - 2020 2018 - 2019 2018 2016 - 2018 2014 - now 2014 - 2015 2014 - 2015	Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member Summer Research Program for Undergraduates, 50+ students, Computer Science, UIUC, Co-organizer Fellowships, Assistantships & Admissions (FAA) Committee, Dept. of Computer Science, UIUC, Chair PILOT Seminar for practice academic job talks, Dept. of Computer Science, UIUC, Co-organizer Graduate College Fellowship Board Executive Committee, UIUC, Member Graduate College Area 1 (Engineering & Physical Sciences) Fellowship Committee, UIUC, Chair
2020 - now 2018 - now 2018 - 2020 2018 - 2019 2018 2016 - 2018 2014 - now 2014 - 2015 2014 - 2015 2013 - 2016	Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member Summer Research Program for Undergraduates, 50+ students, Computer Science, UIUC, Co-organizer Fellowships, Assistantships & Admissions (FAA) Committee, Dept. of Computer Science, UIUC, Chair PILOT Seminar for practice academic job talks, Dept. of Computer Science, UIUC, Co-organizer Graduate College Fellowship Board Executive Committee, UIUC, Member Graduate College Area 1 (Engineering & Physical Sciences) Fellowship Committee, UIUC, Member
2020 - now 2018 - now 2018 - 2020 2018 - 2019 2018 2016 - 2018 2014 - now 2014 - 2015 2014 - 2015	Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member Summer Research Program for Undergraduates, 50+ students, Computer Science, UIUC, Co-organizer Fellowships, Assistantships & Admissions (FAA) Committee, Dept. of Computer Science, UIUC, Chair PILOT Seminar for practice academic job talks, Dept. of Computer Science, UIUC, Co-organizer Graduate College Fellowship Board Executive Committee, UIUC, Member Graduate College Area 1 (Engineering & Physical Sciences) Fellowship Committee, UIUC, Chair
2020 - now 2018 - now 2018 - 2020 2018 - 2019 2018 2016 - 2018 2014 - now 2014 - 2015 2014 - 2015 2013 - 2016 2011 - 2017	Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member Summer Research Program for Undergraduates, 50+ students, Computer Science, UIUC, Co-organizer Fellowships, Assistantships & Admissions (FAA) Committee, Dept. of Computer Science, UIUC, Chair PILOT Seminar for practice academic job talks, Dept. of Computer Science, UIUC, Co-organizer Graduate College Fellowship Board Executive Committee, UIUC, Member Graduate College Area 1 (Engineering & Physical Sciences) Fellowship Committee, UIUC, Chair Graduate College Area 1 (Engineering & Physical Sciences) Fellowship Committee, UIUC, Member Coaching for the ACM International Collegiate Programming Contest (ICPC), UIUC, Faculty Liaison
2020 - now 2018 - now 2018 - 2020 2018 - 2019 2018 2016 - 2018 2014 - now 2014 - 2015 2014 - 2015 2013 - 2016 2011 - 2017 Presentations	Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member Summer Research Program for Undergraduates, 50+ students, Computer Science, UIUC, Co-organizer Fellowships, Assistantships & Admissions (FAA) Committee, Dept. of Computer Science, UIUC, Chair PILOT Seminar for practice academic job talks, Dept. of Computer Science, UIUC, Co-organizer Graduate College Fellowship Board Executive Committee, UIUC, Member Graduate College Area 1 (Engineering & Physical Sciences) Fellowship Committee, UIUC, Member
2020 - now 2018 - now 2018 - 2020 2018 - 2019 2018 2016 - 2018 2014 - now 2014 - 2015 2014 - 2015 2013 - 2016 2011 - 2017 Presentations Invited/visit/job	 Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member Summer Research Program for Undergraduates, 50+ students, Computer Science, UIUC, Co-organizer Fellowships, Assistantships & Admissions (FAA) Committee, Dept. of Computer Science, UIUC, Chair PILOT Seminar for practice academic job talks, Dept. of Computer Science, UIUC, Co-organizer Graduate College Fellowship Board Executive Committee, UIUC, Member Graduate College Area 1 (Engineering & Physical Sciences) Fellowship Committee, UIUC, Member Coaching for the ACM International Collegiate Programming Contest (ICPC), UIUC, Faculty Liaison 55 conference and workshop talks, 39 invited talks, 31 visit+remote talks, 9 job talks, 7 panels, 3 posters
2020 - now 2018 - now 2018 - 2020 2018 - 2019 2018 2016 - 2018 2014 - now 2014 - 2015 2014 - 2015 2013 - 2016 2011 - 2017 Presentations Invited/visit/job 04/22	 Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member Summer Research Program for Undergraduates, 50+ students, Computer Science, UIUC, Co-organizer Fellowships, Assistantships & Admissions (FAA) Committee, Dept. of Computer Science, UIUC, Chair PILOT Seminar for practice academic job talks, Dept. of Computer Science, UIUC, Co-organizer Graduate College Fellowship Board Executive Committee, UIUC, Member Graduate College Area 1 (Engineering & Physical Sciences) Fellowship Committee, UIUC, Member Coaching for the ACM International Collegiate Programming Contest (ICPC), UIUC, Faculty Liaison 55 conference and workshop talks, 39 invited talks, 31 visit+remote talks, 9 job talks, 7 panels, 3 posters "Combating Flaky Tests", ISR Distinguished Speaker, UC Irvine, CA
2020 - now 2018 - now 2018 - 2020 2018 - 2019 2018 2016 - 2018 2014 - now 2014 - 2015 2014 - 2015 2013 - 2016 2011 - 2017 Presentations Invited/visit/job 04/22 01/21	 Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member Summer Research Program for Undergraduates, 50+ students, Computer Science, UIUC, Co-organizer Fellowships, Assistantships & Admissions (FAA) Committee, Dept. of Computer Science, UIUC, Chair PILOT Seminar for practice academic job talks, Dept. of Computer Science, UIUC, Co-organizer Graduate College Fellowship Board Executive Committee, UIUC, Member Graduate College Area 1 (Engineering & Physical Sciences) Fellowship Committee, UIUC, Member Coaching for the ACM International Collegiate Programming Contest (ICPC), UIUC, Faculty Liaison 55 conference and workshop talks, 39 invited talks, 31 visit+remote talks, 9 job talks, 7 panels, 3 posters "Combating Flaky Tests", ISR Distinguished Speaker, UC Irvine, CA —, Remote Talk for Students from Serbia, via Zoom
2020 - now 2018 - now 2018 - 2020 2018 - 2019 2018 2016 - 2018 2014 - now 2014 - 2015 2014 - 2015 2013 - 2016 2011 - 2017 Presentations Invited/visit/job 04/22 01/21 07/20	 Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member Summer Research Program for Undergraduates, 50+ students, Computer Science, UIUC, Co-organizer Fellowships, Assistantships & Admissions (FAA) Committee, Dept. of Computer Science, UIUC, Chair PILOT Seminar for practice academic job talks, Dept. of Computer Science, UIUC, Co-organizer Graduate College Fellowship Board Executive Committee, UIUC, Member Graduate College Area 1 (Engineering & Physical Sciences) Fellowship Committee, UIUC, Member Coaching for the ACM International Collegiate Programming Contest (ICPC), UIUC, Faculty Liaison 55 conference and workshop talks, 39 invited talks, 31 visit+remote talks, 9 job talks, 7 panels, 3 posters "Combating Flaky Tests", ISR Distinguished Speaker, UC Irvine, CA —, Remote Talk for Students from Serbia, via Zoom "Ask me Anything (AMA)", 35th Conference on Automated Software Engineering (ASE 2020), via Zoom
2020 - now 2018 - now 2018 - 2020 2018 - 2019 2018 2016 - 2018 2014 - now 2014 - 2015 2014 - 2015 2013 - 2016 2011 - 2017 Presentations Invited/visit/job 04/22 01/21	 Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member Summer Research Program for Undergraduates, 50+ students, Computer Science, UIUC, Co-organizer Fellowships, Assistantships & Admissions (FAA) Committee, Dept. of Computer Science, UIUC, Chair PILOT Seminar for practice academic job talks, Dept. of Computer Science, UIUC, Co-organizer Graduate College Fellowship Board Executive Committee, UIUC, Member Graduate College Area 1 (Engineering & Physical Sciences) Fellowship Committee, UIUC, Member Coaching for the ACM International Collegiate Programming Contest (ICPC), UIUC, Faculty Liaison 55 conference and workshop talks, 39 invited talks, 31 visit+remote talks, 9 job talks, 7 panels, 3 posters "Combating Flaky Tests", ISR Distinguished Speaker, UC Irvine, CA —, Remote Talk for Students from Serbia, via Zoom "Ask me Anything (AMA)", 35th Conference on Automation of Software Engineering (ASE 2020), via Zoom
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2020 - now 2018 - now 2018 - 2020 2018 - 2019 2018 2016 - 2018 2014 - now 2014 - 2015 2014 - 2015 2013 - 2016 2011 - 2017 Presentations Invited/visit/job 04/22 01/21 07/20 07/20	 Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member Summer Research Program for Undergraduates, 50+ students, Computer Science, UIUC, Co-organizer Fellowships, Assistantships & Admissions (FAA) Committee, Dept. of Computer Science, UIUC, Chair PILOT Seminar for practice academic job talks, Dept. of Computer Science, UIUC, Co-organizer Graduate College Fellowship Board Executive Committee, UIUC, Member Graduate College Area 1 (Engineering & Physical Sciences) Fellowship Committee, UIUC, Member Coaching for the ACM International Collegiate Programming Contest (ICPC), UIUC, Faculty Liaison 55 conference and workshop talks, 39 invited talks, 31 visit+remote talks, 9 job talks, 7 panels, 3 posters "Combating Flaky Tests", ISR Distinguished Speaker, UC Irvine, CA —, Remote Talk for Students from Serbia, via Zoom "Ask me Anything (AMA)", 35th Conference on Automation of Software Engineering (ASE 2020), via Zoom
2020 - now 2018 - now 2018 - 2020 2018 - 2019 2018 2016 - 2018 2014 - now 2014 - 2015 2014 - 2015 2013 - 2016 2011 - 2017 Presentations Invited/visit/job 04/22 01/21 07/20 03/20	 Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member Summer Research Program for Undergraduates, 50+ students, Computer Science, UIUC, Co-organizer Fellowships, Assistantships & Admissions (FAA) Committee, Dept. of Computer Science, UIUC, Chair PILOT Seminar for practice academic job talks, Dept. of Computer Science, UIUC, Co-organizer Graduate College Fellowship Board Executive Committee, UIUC, Member Graduate College Area 1 (Engineering & Physical Sciences) Fellowship Committee, UIUC, Member Graduate College Area 1 (Engineering & Physical Sciences) Fellowship Committee, UIUC, Member Coaching for the ACM International Collegiate Programming Contest (ICPC), UIUC, Faculty Liaison 55 conference and workshop talks, 39 invited talks, 31 visit+remote talks, 9 job talks, 7 panels, 3 posters "Combating Flaky Tests", ISR Distinguished Speaker, UC Irvine, CA —, Remote Talk for Students from Serbia, via Zoom "Ask me Anything (AMA)", 35th Conference on Automated Software Engineering (ASE 2020), via Zoom "Combating Flaky Tests", The First Conference on Automation of Software Test (AST 2020), via Zoom —, Online Guest Lecture, University of Kragujevac, Serbia, via Zoom
2020 - now 2018 - now 2018 - 2020 2018 - 2019 2018 2016 - 2018 2014 - now 2014 - 2015 2014 - 2015 2013 - 2016 2011 - 2017 Presentations Invited/visit/job 04/22 01/21 07/20 03/20 02/20	 Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member Summer Research Program for Undergraduates, 50+ students, Computer Science, UIUC, Co-organizer Fellowships, Assistantships & Admissions (FAA) Committee, Dept. of Computer Science, UIUC, Chair PILOT Seminar for practice academic job talks, Dept. of Computer Science, UIUC, Co-organizer Graduate College Fellowship Board Executive Committee, UIUC, Member Graduate College Area 1 (Engineering & Physical Sciences) Fellowship Committee, UIUC, Member Graduate College Area 1 (Engineering & Physical Sciences) Fellowship Committee, UIUC, Member Coaching for the ACM International Collegiate Programming Contest (ICPC), UIUC, Faculty Liaison 55 conference and workshop talks, 39 invited talks, 31 visit+remote talks, 9 job talks, 7 panels, 3 posters "Combating Flaky Tests", ISR Distinguished Speaker, UC Irvine, CA —, Remote Talk for Students from Serbia, via Zoom "Ask me Anything (AMA)", 35th Conference on Automated Software Engineering (ASE 2020), via Zoom "Ombating Flaky Tests", The First Conference on Automated Software Test (AST 2020), via Zoom "Open Source Vulnerability Notification", Purdue University, West Lafayette, IN "Combating Flaky Tests", Virginia Tech, Blacksburg, VA
2020 - now 2018 - now 2018 - 2020 2018 - 2019 2018 2016 - 2018 2014 - now 2014 - 2015 2014 - 2015 2013 - 2016 2011 - 2017 Presentations Invited/visit/job 04/22 01/21 07/20 03/20 02/20 12/19	 Management Team, Dept. of Computer Science, UIUC, Member Senate Committee on Admissions, UIUC, Member Senate of the Urbana-Champaign Campus, UIUC, Senator Big Research Initiatives Committee (BRIC), Dept. of Computer Science, UIUC, Member Summer Research Program for Undergraduates, 50+ students, Computer Science, UIUC, Co-organizer Fellowships, Assistantships & Admissions (FAA) Committee, Dept. of Computer Science, UIUC, Chair PILOT Seminar for practice academic job talks, Dept. of Computer Science, UIUC, Co-organizer Graduate College Fellowship Board Executive Committee, UIUC, Member Graduate College Area 1 (Engineering & Physical Sciences) Fellowship Committee, UIUC, Member Coaching for the ACM International Collegiate Programming Contest (ICPC), UIUC, Faculty Liaison 55 conference and workshop talks, 39 invited talks, 31 visit+remote talks, 9 job talks, 7 panels, 3 posters "Combating Flaky Tests", ISR Distinguished Speaker, UC Irvine, CA —, Remote Talk for Students from Serbia, via Zoom "Ask me Anything (AMA)", 35th Conference on Automation of Software Engineering (ASE 2020), via Zoom "Online Guest Lecture, University of Kragujevac, Serbia, via Zoom "Open Source Vulnerability Notification", Purdue University, West Lafayette, IN

05/19	"iFixFlakies: A Framework for Automatically Fixing Order-Dependent Flaky Tests", U. of Notre Dame, IN
05/19	"Combating Flaky Tests", LIP6, Paris, France
11/18	"Being Proactive in ATAFistic World", Facebook TAV Challenge Winners, Facebook, London, UK
09/18	"Improving Reliability of Regression Testing", Guest Lecture in EE382C-3, UT Austin, TX
09/18	—, Futurewei Academia Test Forum, Plano, TX
10/17	"Applying Math and CS for Systematic Software Testing", University of Missouri-St. Louis, St. Louis, MO
05/17	"Applying Software Testing for Hardware Resiliency Analysis", UT ECE Dept. Colloquia, Austin, TX
09/16	"Flaky Tests Be Gone", UW PLSE Research Retreat, Leavenworth, WA
12/15	"Some Software Engineering Research at UIUC", University of California, Irvine, Irvine, CA
05/15	"Tempura: Temporal Dimension for IDEs", "Politehnica" University of Bucharest, Bucharest, Romania
05/15	—, "Politehnica" University, Timisoara, Romania
11/14	"Important Challenges in (Regression) Testing", EPFL, Lausanne, Switzerland
03/14	"Why Is Mutation Testing Controversial and What Can We Do About It?", Mutation 2014, Cleveland, OH
01/13	"ReAssert: Suggesting Repairs for Broken Unit Tests", Geekfest, Groupon, Chicago, IL
11/12	"Systematic Software Testing: The Korat Approach", ACM SIGSOFT Impact Paper Award, 2012, Cary, NC
11/12	"Detecting Performance Problems via Similar Memory-Access Patterns", The University of Texas at Austin
11/12	—, University of Lugano, Lugano, Switzerland
11/12	—, Google, Zurich, Switzerland
11/12	—, EPFL, Lausanne, Switzerland
02/12	"IMUnit: Improved Multithreaded Unit Testing", Imperial College London, London, UK
01/12	-, CREST Open Workshop (COW 17), London, UK
12/11	"Brief Overview of Research on Testing Parallel Code in the I2PC Center", Intel, Santa Clara, CA
12/11	—, Intel, Jones Farms, OR
06/11	"IMUnit: Improved Multithreaded Unit Testing", University of Lugano, Lugano, Switzerland
06/11	-, EPFL Summer Research Institute, Lausanne, Switzerland
03/11	-, Karlsruhe Institute of Technology, Karlsruhe, Germany
03/11	"Systematic Software Testing Using Test Abstractions", Saarland University, Saarbrucken, Germany
03/11	—, SVARM 2011, Saarbrucken, Germany
03/11	"ReAssert: Suggesting Repairs for Broken Unit Tests", University of Belgrade, Belgrade, Serbia
02/11	—, University of Buenos Aires, Buenos Aires, Argentina
09/10	"Systematic Software Testing Using Test Abstractions", Purdue University, West Lafayette, IN
08/10	"Java PathFinder in Research and Teaching at Illinois", NASA Ames, Moffett Field, CA
08/10	"ReAssert: Suggesting Repairs for Broken Unit Tests", Google, Mountain View, CA
08/10	—, IBM Research - Almaden, San Jose, CA
08/10	"Systematic Software Testing Using Test Abstractions", Microsoft Research, Mountain View, CA
07/10	-, University of Wisconsin-Madison, Madison, WI
07/10	—, University of Milano-Bicocca, Milan, Italy
07/10	—, "Politehnica" University, Timisoara, Romania
02/10	"Model-Based Testing Using Test Abstractions", Accenture Labs, Chicago, IL
07/09	"UDITA: Unified Declarative and Imperative Test Abstractions", SAP Research, Darmstadt, Germany
03/09	"Model-Based Testing Using Test Abstractions", EPFL, Lausanne, Switzerland
03/09	-, Model Based Testing workshop (MBT 2009), York, UK
11/08	"Automated Testing of Refactoring Engines Using Test Abstractions", Microsoft Research, Redmond, WA
07/08	—, North Carolina State University, Raleigh, NC
01/08	"Systematic Software Testing with Test Abstractions", Agitar, Mountain View, CA
01/08	—, Google, Mountain View, CA
11/07	"Parallel Test Generation and Execution with Korat", University of Michigan, Ann Arbor, MI
03/06	"Generating Object-Oriented Unit Tests by Symbolic Execution", University of Arizona, Tucson, AZ
11/05	—, University of Warwick, Warwick, UK
06/05	—, University of Bucharest, Bucharest, Romania
06/05	"Compiling Declarative Models into Boolean Formulas", University of Belgrade, Belgrade, Serbia-Montenegro
06/05	—, University of Novi Sad, Novi Sad, Serbia-Montenegro
03/05	"Detecting Redundant Object-Oriented Unit Tests", Parasoft, San Diego, CA
05/04	"Automatic Testing of Software with Structurally Complex Inputs", IBM Research, Hawthorne, NY
04/04	—, University of Illinois at Urbana-Champaign, Urbana-Champaign, IL
04/04	—, University of Washington, Seattle, WA
04/04	—, Cornell University, Ithaca, NY
04/04	—, Rice University, Houston, TX
04/04	—, University of Chicago, Chicago, IL
03/04	—, University of Texas at Austin, Austin, TX

02/04	-, Microsoft Research, Redmond, WA
02/04	—, Northwestern University, Evanston, IL
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11/03	"Testing Based on a Solver for Executable Predicates", University of Southern California, Los Angeles, CA
11/03	—, University of California Los Angeles, Los Angeles, CA
04/03	"The MulSaw Approach to Automated Specification-Based Testing", Stanford University, Stanford, CA
04/03	"Object Equality Profiling", University of California Berkeley, Berkeley, CA
11/02	"The MulSaw Approach to Automated Specification-Based Testing", Microsoft Research, Redmond, WA
10/02	—, Nokia Research Center, Burlington, MA
05/01	"Credible Compilation", Guest Lecturer, Object-Oriented Dynamic Languages course, MIT, Cambridge, MA
01/01	—, Dynamic Languages Seminar, MIT, Cambridge, MA
Conference/workshop	
09/23	"Challenges in Teaching Software Engineering Classes", ASE 2023 New Faculty Symposium, Luxembourg
09/22	"Flaky Tests in Continuous Integration", 14th JLESC Workshop, Urbana-Champaign, IL
12/20	"Flaky Tests: Some Results and Research Challenges", Workshop on Research Highlights in Programming
	Languages at FSTTCS 2020, via Zoom
10/19	"IoT-Flows: Lightweight Policy Enforcement of Information Flows in IoT Infrastructures", Alexandria, VA
09/19	"Overview of Flaky Tests", NII Shonan Seminar No.160, Shonan, Japan
05/19	[C87] at USBRCCR Workshop, Ann Arbor, MI
03/19	"Holistic Intelligent Testing: The Test Quality Topic", Huawei's Research Summit, Champaign, IL
10/18	"IoT-Flows: Lightweight Policy Enforcement of Information Flows in IoT Infrastructures", Natal, Brazil
10/18	[C81] at ISSRE 2018, Memphis, TN
08/18	[W27] at SQAMIA 2018, Novi Sad, Serbia
05/18	[C75] at ICSE NIER 2018, Gothenburg, Sweden
11/17	"Support for Security and Safety of Programmable IoT Systems", NSF CPS PI meeting, Alexandria, VA
09/17	[W26] at SQAMIA 2017, Belgrade, Serbia
07/17	"Support for Security and Safety of Programmable IoT Systems", DHS Workshop, Washington, DC
09/16	[C69] at ASE 2016 (joint talk with Danny Dig), Singapore, Singapore
06/16	"A Proactive Approach to Detecting Flaky Tests" at ASE 2016 Pre-PC-Meeting Workshop, Passau, Germany
07/15	[C63] at SPLC 2015, Nashville, TN
07/15	"Important Challenges in (Regression) Testing" at ASE 2015 Emerging Ideas Workshop, Baltimore, MD
05/15	[C60] at ICSE 2015 NIER track, Florence, Italy
05/15	[C59] at ICSE 2015, Florence, Italy
12/14	"Evolution-Aware Monitoring-Oriented Programming", NII Shonan Seminar No.048, Shonan, Japan
09/14	[C56] at ASE 2014, Vasteras, Sweden
07/13	[C51] at ISSTA 2013, Lugano, Switzerland
07/13	[C49] at ECOOP 2013, Montpellier, France
07/12	"Parallel Testing Tools from Illinois", UPCRC Workshop, Microsoft Research, Redmond, WA
07/12	[C37] at I2PC Summer School, Urbana, IL
06/12	[C41] at OOPSLA 2012 Pre-PC-Meeting, Orlando, FL
04/12	[C39] at ICST 2012, Montreal, Canada
07/11	[C37] at ASE 2011 Pre-PC-Meeting Workshop, Moffett Field, CA
05/11	[D4] at ICSE Demonstrations Track 2011, Waikiki, HI
08/10	"Verifying X10 Applications", JPF Summer Project Summit 2010, Mountain View, CA
07/10	[C32] at ISSTA 2010, Trento, Italy
05/10	[C31] at ASE 2010 Pre-PC-Meeting Workshop, Milan, Italy
05/10	[W19] at IWMSE 2010, Cape Town, South Africa
04/10	[C30] at ISSTA 2010 Pre-PC-Meeting Workshop, Milan, Italy
08/09	"Incremental Testing of Parallel Code", UPCRC Correctness Workshop, Intel, Hillsboro, OR
07/09	[C31] at ASE 2009 Pre-PC-Meeting Workshop, Marburg, Germany
04/09	[C24] at ICST 2009, Denver, CO
03/09	[C23] at ISSTA 2009 Pre-PC-Meeting Workshop, Raleigh, NC
06/08	[C21] at ASE 2008 Post-PC-Meeting Workshop, Mountain View, CA
05/08	[D2] at JPF Workshop 2008, Sunnyvale, CA
05/07	[W12] at STEP 2007, Memphis, TN
04/06	[W9] at LDTA 2006, Vienna, Austria
06/05	[C11] at SAT 2005, St. Andrews, UK
12/03	"Automated Test Generation", Seminar 03491 "Understanding Program Dynamics", Dagstuhl, Germany
10/03	[C8] at OOPSLA 2003, Anaheim, CA
10/03	[C8] at the New England Programming Languages Seminar (NEPLS), Brandeis University, Waltham, MA
05/03	[C7] at RelMiCS 7, Malente, Germany

05/02	[C6] at SAT 2003, Santa Margherita Ligure, Italy
05/03	[C4] at FME 2002, Copenhagen, Denmark
07/02	
05/02	[C5] at the IBM Programming Languages Day, IBM Research, Hawthorne, NY
11/01	[C2] at ASE 2001, San Diego, CA
04/00	[W4] at the Masterworks 2000, MIT, Cambridge, MA
01/99	[W3] at WCAE 1999, Orlando, FL
01/98	[W1] at the Workshop on Distributed Shared Memory, HICSS 1998, Kohala Coast, HI
Panels	
07/22	After Graduation: Academia vs Industry, Doctoral Symposium at ISSTA 2022, via Zoom
11/18	CPS Start-Ups Panel at NSF CPS PI meeting, Alexandria, VA
11/15	30 ASE and Industry: Match made in Heaven, ASE 2015, Lincoln, NE
09/12	Benchmarks in Automated Software Engineering, ASE 2012, Essen, Germany
09/12	Doctoral Symposium, ASE 2012, Essen, Germany
03/10	"Code-Based Test Data Generation", Seminar 10111, Dagstuhl, Germany
04/06	"Formal Methods: It's not too Much to Ask", Affiliates Conference, UIUC, Urbana-Champaign, IL
Posters	
05/15	[C60] at Poster Session, ICSE NIER 2015, Florence, Italy
08/02	"Object Equality Profiling", Poster Presentation, IBM T. J. Watson Research Center, Hawthorne, NY
05/99	"Credible Compilation with Pointers", Student Poster Session, PLDI 1999, Atlanta, GA
00177	Creatore Compriation what Fonders ; Stadent Foster Session, FEDT 1999; Hauna, Or
Released Code	http://mir.cs.illinois.edu/marinov/software.html
ASTGen	http://mir.cs.illinois.edu/astgen, Test generation (using imperative test abstractions)
Basset	http://mir.cs.illinois.edu/basset, Systematic testing of actor programs
CoCo	http://mir.cs.illinois.edu/coco, Comparing non-adequate test suites using coverage criteria
CoDeSe	http://mir.cs.illinois.edu/codese, Dataset for fast deserialization via code generation
Coverage	http://mir.cs.illinois.edu/coverage, Containter code instrumented for predicate coverage
Ekstazi	http://ekstazi.org, Dynamic regression test selection
iDFlakies	http://github.com/idflakies/iDFlakies, Tool for detecting flaky tests
	http://github.com/TestingResearchIllinois/NonDex, Dataset of flaky tests
IDoFT EinFlahige	http://github.com/TestingResearchIllinois/iFixFlakies, Tool for fixing flaky tests
iFixFlakies	http://mir.cs.illinois.edu/imunit, Improved multithreaded unit testing
IMUnit	http://sir.unl.edu/portal/bios/JaConTeBe.php, Java test benchmarks with concurrency faults
JaConTeBe	http://mir.cs.illinois.edu/jpf, Contributions to the Java PathFinder model checker
JPF contributions	
Korat	http://mir.cs.illinois.edu/korat, Test generation (using declarative test abstractions)
NonDex	http://github.com/TestingResearchIllinois/NonDex, Test exploration for non-deterministic specs
ReAssert	http://mir.cs.illinois.edu/reassert, Test repair
ReEx	http://mir.cs.illinois.edu/reex, Re-execution based exploration of multithreaded (Java) programs
RTR	http://mir.cs.illinois.edu/rtr, Systematic testing of refactoring engines on real software projects
Setac	http://mir.cs.illinois.edu/setac, Test framework for (Scala) actor programs
STARTS	http://github.com/TestingResearchIllinois/starts, Static regression test selection
Toddler	http://mir.cs.illinois.edu/toddler, Performance testing based on similar memory patterns
UDITA	http://mir.cs.illinois.edu/udita, Test generation (using declarative&imperative test abstractions)
YASGL	http://github.com/TestingResearchIllinois/yasgl, Yet another simple graph library
Graduated	
Students	University of Illinois at Urbana-Champaign
PhD 2023	Chaitra Niddodi, Code Analysis and Rewriting for Data Debloating and Improved Fuzz Testing
	co-advised by Sibin Mohan
PhD 2021	Wing Lam, Detecting, Characterizing, and Taming Flaky Tests co-advised by Tao Xie
	first job: George Mason University, Fairfax, VA
DhD 2020	
PhD 2020	August Shi, Improving Regression Testing Efficiency and Reliability via Test-Suite Transformations first job: University of Texas at Austin, Austin, TX
DI D 2010	
PhD 2019	Owolabi Legunsen, Evolution-Aware Runtime Verification
	co-advised by Grigore Rosu
	first job: Cornell University, Ithaca, NY
PhD 2018	Farah Hariri, Exploring Design Decisions for Mutation Testing
	first job: Granular, Champaign, IL
PhD 2017	Alex Gyori, Proactively Detecting Unreliable Tests
	first job: Facebook, Seattle, WA

PhD 2015	Milos Gligoric, Regression Test Selection: Theory and Practice
DLD 2015	first job: University of Texas at Austin, Austin, TX Oingrhou Luo, Testing, Puntime Verifaction, and Anglusia of Consument Programs
PhD 2015	Qingzhou Luo, <i>Testing, Runtime Verification, and Analysis of Concurrent Programs</i> co-advised by Grigore Rosu
	first job: Google, Mountain View, CA
PhD 2014	Adrian Nistor, Understanding, Detecting, and Repairing Performance Bugs
1110 2014	co-advised by Shan Lu
	first job: Chapman University, Orange, CA
PhD 2012	Vilas Jagannath, Improved Regression Testing of Multithreaded Programs
1110 2012	co-advised by Gul Agha
	first job: Optiver LLC, Chicago, IL
PhD 2011	Steven Lauterburg, Systematic Testing for Actor Programs
1110 2011	first job: Salisbury University, Salisbury, MD
PhD 2007	Marcelo d'Amorim, Efficient Explicit-state Model Checking for Programs with Dynamically Allocated Data
	first job: Federal University of Pernambuco (UFPE), Recife, Brazil
MS 2020	Peilun Zhang, Automated Fixing of Wrong Assumptions on Underdetermined Specifications
	co-advised by Victoria Stodden
	first job: Google, Austin, TX
MS 2019	Qianyang Peng, Empirically Revisiting and Enhancing IR-Based Test-Case Prioritization
	co-advised by Lingming Zhang
	first job: Google, Seattle, WA
MS 2018	Peiyuan Zhao, Comparing Module- and Class-Level Regression Test Selection in Continuous Integration
	first job: Amazon, Seattle, WA
MS 2018	Milica Hadzi-Tanovic, Reflection-Aware Static Regression Test Selection
	first job: PhD student, Technical University of Munich
MS 2015	Lamyaa Eloussi, Determining Flaky Tests from Test Failures
	first job: Salesforce, San Mateo, CA
MS 2013	Rohan Sharma, Guidelines for Coverage-based Comparisons of Non-adequate Test Suites
	co-advised by Matt Caesar
	first job: Dropbox, San Francisco, CA
MS 2012	Shin Hwei Tan, @tComment: Testing Javadoc Comments to Detect Comment-Code Inconsistencies
	co-advised by Lin Tan
	first job: PhD student, National University of Singapore
MS 2011	Mathew Kirn, Evaluating Machine-Independent Metrics for State-Space Exploration
	first job: Microsoft, Redmond, WA
MS 2010	Vilas Jagannath, Reducing the Costs of Bounded-Exhaustive Testing
	co-advised by Gul Agha
	first job: continued PhD studies
MS 2007	Kely Garcia, Testing the Refactoring Engine of the NetBeans IDE
	first job: Strata Decision Technology, Champaign, IL
PhD Thesis	
Committee Member	Served on UIUC PhD committees for preliminary exams (and final defenses when a year is listed) for Tankut
	Baris Aktemur (2009), Deniz Arsan (2023), Angello Astorga, Federico Balaguer (2006), Sean Bartell (2021),
	Feng Chen (2009), Nicholas Y. Chen (2013), Anthony Edward Cozzie (2010), Daniel Dig (2007), Yue Lu
	Duan (2014), Saikat Dutta (2023), Jianxiong Gao (2019), Pranav Garg (2015), Munawar Hafiz (2010), Emily Hastings (2023), Zixin Huang, Dongyun Jin (2012), Rajesh K. Karmani (2013), Jacob Laurel, Choonghwan
	Lee (2013), Yun Young Lee (2014), Sihan Li (2019), Yu Lin (2015), Chao Liu (2007), Shan Lu (2008), Ab-
	dulrahman Mahmoud (2020), Susannah Mansky (2020), Patrick O'Neil Meredith (2012), Abdullah Muza-
	hid (2012), Stanislav Negara (2013), Semih Okur (2016), Jeffrey L. Overbey (2011), Amarin Phaosawasdi
	(2020), Shanxiang Qi (2013), Swarup Kumar Sahoo (2012), Traian Florin Serbanuta (2010), Sankalp Singh
	(2012), Ahmed Adel Sobeih (2008), Francesco Sorrentino (2014), Lin Tan (2009), Samira Tasharofi (2013),
	Joseph A. Tucek (2011), Radha Venkatagiri (2020), Wenyu Wang (2022), Zhengkai Wu (2022), Weiwei
	Xiong (2013), Mengjia Yan (2019), Wei Yang (2018), Ayesha Yasmeen (2011), Jiyong Yu (2023), Yi Zhang,
	Zirui Neil Zhao, and Pin Zhou (2006)
External Member	Also served on the PhD committees for Daniel Elsner at TUM, Germany (2023), Peisen Yao at HKUST,
Zateriar meniler	Hong Kong (2022), Emmanouil (Manos) Koukoutos at EPFL, Switzerland (2018), Kaiyuan Wang at the
	University of Texas at Austin (2018), Yi Li at the University of Toronto, Canada (2018), Mohammad Amin
	Alipour at Oregon State University (2017), Jonathan Bell at Columbia University (2016), Linhai Song at
	the University of Wisconsin–Madison (2015), Tihomir Gvero at EPFL, Switzerland (2014), Sai Zhang at the
	University of Washington (2014), Lingming Zhang at the University of Texas at Austin (2014), Chang Hwan

Peter Kim at the University of Texas at Austin (2013), Mehdi Mirzaaghaei at the University of Lugano, Switzerland (2012), Junaid Haroon Siddiqui at the University of Texas at Austin (2011), and Juan Pablo Galeotti at the University of Buenos Aires, Argentina (2011)

Teaching	
Experience	University of Illinois at Urbana-Champaign Urbana-Champaign, IL
Fall 2023, 2022, 2021, 2020, 2017, 2016, 2014, 2011, 2010, 2008 & 2007	Teacher for "Advanced Topics in Software Engineering", a graduate course on selected topics. While we do not require research projects, still one student published one paper from Fall 2014, two students published two papers from Fall 2011, four students published two papers from Fall 2010, three students published two papers from Fall 2008, and two students published three papers from Fall 2007. This course was also offered online in the department's Illinois Internet Computer Science (I2CS) program.
Spring 2016, 2015, 2012, 2009, 2008 & 2006	Teacher for "Software Testing", a course for senior undergraduate and junior graduate students. The students' scores of my teaching for Spring 2006 and 2015 placed me on the UIUC "(Incomplete) List of Teachers Ranked as Excellent by Their Students".
Spring 2021/20/19, 2018/14/10 & 2007	Teacher for "Software Engineering II", second course in an introductory sequence on software engineering. This course was also offered online in the department's Illinois Internet Computer Science (I2CS) program.
Fall 2015, 2013, 2009 & 2006	Teacher for "Software Engineering I", first course in an introductory sequence on software engineering. This course was also offered online in the department's Illinois Internet Computer Science (I2CS) program.
Fall 2018	Teacher for "Software Testing for All", a project-based, graduate course on dynamic and static program analysis for various emerging domains and properties.
February 2011	Teacher for "Automated Test Generation and Repair", an intensive, week-long course at the Rio 2011 Summer School in Computer Science in Rio Cuarto, Argentina.
Fall 2005 & Spring 2005	Teacher for "Software Testing and Analysis", a project-based, graduate course on dynamic and static pro- gram analysis for finding software errors. Based on the course projects from Fall, two students published two papers , and from Spring, five students published four papers .
	Massachusetts Institute of Technology
08/01 – 12/04	Supervisor , with Sarfraz Khurshid, of one M.Eng. student, two AUP (Advanced Undergraduate Project) students, and six UROP (Undergraduate Research Opportunities) students in the MulSaw project.
01/01 - 05/01	Supervisor of one AUP and two UROP students in the MIT's Direct-To (D2) project.
09/99 – 12/99	Teaching Assistant for "Computer Language Engineering", an undergraduate compiler course that includes a team project on compiler implementation.
	School of Electrical Engineering, University of Belgrade Belgrade, Yugoslavia
10/97 – 12/97 & 10/96 – 12/96	Lab Assistant for undergraduate courses in computer architecture and digital design. Participated in the development of simulation programs for lab assignments [W3] and helped students use these programs.
05/96	Coach of the University of Belgrade Computer Science team for the National Contest of Electrical Engineering Schools. Selected and prepared our team, developed problems for other teams, and marked answers.
10/93 – 07/95	Student Assistant for "Programming Languages and Methods" course. Helped students in overcoming weak points, reviewed problem sets, and graded exams; four semesters.
	Math Academy High School
04/96 - 06/96	Teacher for the "Operating Systems" course at the Math Academy, a high school specializing in math and computer science, unique in Yugoslavia. Developed lecture notes, gave lectures, and graded pupils.
04/96	Jury Member at the Province of Vojvodina math contest for primary school pupils. Graded solutions.
Contests 02/96 11/95 05/95 10/94 07/91 05/91	 6 international, 9 national (8 in former Yugoslavia), total of over 30 above regional level World Finals, ACM International Collegiate Programming Contest (ICPC), Philadelphia, PA 3rd place, Eastern European Regional ACM ICPC, Bucharest, Romania 1st place, Computer Science area, National Contest of Electrical Engineering Schools, Budva, Yugoslavia Eastern European Regional ACM ICPC, Bucharest, Romania International Mathematical Olympiad, Sigtuna, Sweden 2nd prize, International Olympiad in Informatics, Athens, Greece
05/91	2nd prize, Balkan Mathematical Olympiad, Constanța, Romania

Funding	17 NSF grants, 8 industry grants, 5 industry gifts, 2 faculty awards; my share over \$6M of \$12.9M total
09/23 - 09/24	"Enhanced LLVM-COV", research grant from Boeing, PI: Darko Marinov, \$146k
08/23 - 08/25	"Advancing Code Translation and Validation Through Neuro-Symbolic Approaches", research grant from
	IBM-Illinois Discovery Accelerator Institute, PI: Reyhaneh Jabbarvand, co-PI: Darko Marinov, \$302k
08/22 - 08/23	"AI-Enabled Automated Testing for Cloud Applications", research grant from IBM-Illinois Discovery Ac- celerator Institute, PI: Reyhaneh Jabbarvand, co-PIs: Lingming Zhang, Darko Marinov, \$75k
09/21 – 12/21	"Adding Verifiability into DevSecOps (AVID)", PI: Darko Marinov, subcontract from Raytheon BBN Technologies Corp., <i>Air Force Research Laboratory</i> , FA8750-21-C-0527, \$42k
10/20 - 09/23	"Sociotechnical Interventions for Nurturing Successful Team Learning Experiences", PI: Brian Bailey, co- PIs: Karrie Karahalios, Darko Marinov, Emma Mercier, <i>National Science Foundation</i> , IIS-2016908, \$750k
10/20 - 09/23	"Thwarting Microarchitectural Replay Attacks", research grant from SRC, PI: Josep Torrellas, co-PIs: Chris Fletcher, Darko Marinov, \$210k
07/20 - 06/24	"SHF: Medium: Software Engineering for Hardware Errors", PI: Sarita Adve, co-PIs: Chris Fletcher, Darko Marinov, Sasa Misailovic, <i>National Science Foundation</i> , CCF-1956374, \$1.2M
12/18 – 12/19	"Holistic Intelligent Testing: The Test Quality Topic", research grant from Huawei, \$140k
10/18	"Being Proactive in ATAFistic World", gift from Facebook Testing and Verification Research Award, \$10k
10/18 - 09/22	"SHF: Medium: Collaborative Research: Enhancing Continuous Integration Testing for the Open-Source
10/10 - 0//22	Ecosystem", PI: Darko Marinov; also non-UIUC: Jon Bell, Lingming Zhang, <i>National Science Foundation</i> , CCF-1763788, \$437k
08/18 - 07/20	"EAGER: Preserve/Destroy Decisions for Simulation Data in Computational Physics and Beyond", PI: Vic-
07/18 - 06/21	toria Stodden, co-PI: Darko Marinov, <i>National Science Foundation</i> , OAC-1839010, \$300k "InvisiSpec: Invisible Speculation for Secure and Efficient Speculative Execution, Hardware/Software Sup-
07/10 - 00/21	port for Data Oblivious ISA Extensions", research grant from Intel, UIUC: Chris Fletcher, Josep Torrellas,
	Darko Marinov; also non-UIUC: Adam Morrison, Mohit Tiwari, \$900k
09/17 - 08/19	"EAGER:USBRCCR: Collaborative Research: Lightweight Policy Enforcement of Information Flows in IoT
09/17 - 00/19	Infrastructures", PI: Darko Marinov; also non-UIUC: Atul Prakash, José Augusto Suruagy Monteiro, Paulo
	André da Silva Gonçalves, Marcelo d'Amorim, Kiev Gama, <i>National Science Foundation</i> , CNS-1740916,
01/17 10/10	\$136k
01/17 – 12/19	"CPS: Synergy: Collaborative Research: Support for Security and Safety of Programmable IoT Systems", PI: Darko Marinov; also non-UIUC: Atul Prakash, <i>National Science Foundation</i> , CNS-1646305, \$352k
08/16	"Improving Regression Testing Efficiency", gift from Qualcomm, \$50k
03/15	"Combating Flaky Tests", gift from Google Faculty Research Awards, \$51k
12/14 - 11/17	"SHF:Small: Revisiting Assumptions of Regression Testing", PI: Darko Marinov; National Science Foun-
	dation, CCF-1421503, \$462k (\$12k REU)
09/14 - 08/17	"XPS: FULL: FP: Collaborative Research: Model-based, Event Driven Scalable Programming for the Mobile
	Cloud", PI: Gul Agha, co-PI: Darko Marinov; also non-UIUC: Daniel Jackson, <i>National Science Foundation</i> , CCF-1438982, \$682k (\$16k REU)
08/14 - 07/17	"SHF: Medium: Collaborative Research: Improved Performance Testing and Debugging", PI: Darko Mari-
	nov, co-PI: Tao Xie; also non-UIUC: Guoqing (Harry) Xu, National Science Foundation, CCF-1409423, \$616k (\$16k REU)
09/12 - 08/15	"SHF: Small: Interactive Refactoring for Multicore Parallelism", PI: Danny Dig, co-PI: Darko Marinov;
	National Science Foundation, CCF-1219027, \$250k
07/12 - 06/16	"SHF: Large: Collaborative Research: Science and Tools for Software Evolution", UIUC PI: Danny Dig,
	co-PIs: Brian Bailey, Ralph Johnson, Darko Marinov; also non-UIUC: Don Batory, <i>National Science Foun-</i> <i>dation</i> CCF-1213091, \$1.8M
10/10	Unrestricted gift for the C.W. Gear Outstanding Junior Faculty Award, Department of Computer Science,
10/10	UIUC, \$4k
09/10 - 08/14	"Collaborative Research: SHF: Large: Designing the Programmable Many-Core for Extreme Scale Comput-
0)/10 00/11	ing", UIUC PI: Josep Torrellas, co-PIs: Sam King, Darko Marinov; also non-UIUC: Sam Midkiff, National
	Science Foundation CCF-1012759, \$1.8M
08/10 - 08/11	Unrestricted gift for the Beckman Fellowship, Center for Advanced Study, UIUC, \$8k
06/10 - 05/13	"Collaborative Research: II-EN: Infrastructure Support for Software Testing Research", UIUC PI: Darko
	Marinov; also non-UIUC: Gregg Rothermel, Tao Xie, Sarfraz Khurshid, National Science Foundation CNS-0058100, \$2771-
02/10 00/11	0958199, \$277k
03/10 - 08/11	"Static and Dynamic Analysis Tool for Testing Concurrent Embedded Systems", research grant from Sam-
00/10	sung Advanced Institute of Technology, PI: Grigore Rosu, co-PI: Darko Marinov, \$100k
02/10	"Systematic Testing in and for X10", gift from IBM X10 Innovation Grants, \$20k
09/09 - 08/12	"SHF: Small: IMUnit: Improved Multithreaded Unit Testing", PI: Darko Marinov, co-PI: Grigore Rosu,
	National Science Foundation CCF-0916893, \$500k
06/08 - 05/13	"CAREER: Systematic Software Testing Using Test Abstractions", PI: Darko Marinov, National Science

09/06 – 08/08	<i>Foundation</i> CCF-0746856, \$406k (\$6k REU) "Collaborative Research: SoD-TEAM: A Feedback-Based Architecture for Highly Reliable Embedded Soft- ware", UIUC PI: Tarek Abdelzaher, co-PIs: Lui Sha, Marco Caccamo, Darko Marinov; also non-UIUC:
08/06 - 07/09	Aloysius Mok, James Browne, Fei Xie, Ella Atkins, <i>National Science Foundation</i> CNS-0613665, \$200k "CSR–PDOS: Improving System Reliability via Delta Execution", PI: Yuanyuan Zhou, co-PIs: William
00100 01109	Sanders, Craig Zilles, Darko Marinov, <i>National Science Foundation</i> CNS-0615372, \$762k (\$12k REU)
11/05	"Theory and Practice of Object-Oriented Unit Tests", gift from Microsoft, \$5k