Sarfraz Khurshid

Address

- 1 University Station C5000, Electrical and Computer Engineering, Austin, TX 78712

Education

- **Imperial College, University of London, UK:** B.Sc. in Math and Computer Science, 1997
- **Trinity College, University of Cambridge, UK:** Part III of the Mathematical Tripos, 1998
- **MIT:** Ph.D. in Computer Science, 2004; S.M. in Computer Science, 2000

Academic Experience

- 2004-2010: Assistant Professor, The University of Texas at Austin
- 2010-present: Associate Professor, The University of Texas at Austin

Industrial Experience

- Summer 2002: NASA Ames Research Center (as a summer intern)
- Summer 2001: Bell Labs (as a summer intern)

Five Select Publications

- S. Khurshid, D. Marinov and D. Jackson. An Analyzable Annotation Language. *17th ACM Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA)*, Seattle, WA, November 2002
- S. Khurshid, C. Pasareanu and W. Visser. Generalized Symbolic Execution for Model Checking and Testing. *9th International Conference on Tools and Algorithms for Construction and Analysis of Systems (TACAS)*, Warsaw, Poland, April 2003
- S. Khurshid and D. Marinov. TestEra: Specification-based Testing of Java Programs Using SAT. *Automated Software Engineering Journal*, 2004.
- C. Boyapati, S. Khurshid and D. Marinov. Korat: Automated Testing Based on Java Predicates. *ACM/SIGSOFT International Symposium on Software Testing and Analysis (ISSTA)*, Rome, Italy, July 2002
- Milos Gligoric, Tihomir Gvero, Vilas Jagannath, Sarfraz Khurshid, Viktor Kuncak, Darko Marinov. Test generation through programming in UDITA. *32nd ACM/IEEE International Conference on Software Engineering (ICSE)*, Cape Town, South Africa, May 2010.

Synergistic Activities

- Teach courses to support the software design, verification, and testing education and research: Software Testing (EE360T); Algorithms (EE360C); Data Structures (EE322C); Verification and Validation of Software (EE382C-3)
- Conduct research in the general area of software reliability; particular interests include software testing, annotation languages, symbolic execution, data structure repair, software design, model checking, AI-based heuristics in model checking
- Serve on conference and workshop program committees and expert review panels (e.g., OOPSLA 2009, ABZ 2010, RV 2010, ASE 2011, FM 2011, ICST 2011, ISSTA 2011) and as a reviewer of research papers

Recent Honors and Awards

- ACM SIGSOFT Distinguished Paper Award at ICSE 2010
- NSF CAREER Award 2009