

ZHENDONG SU

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RESEARCH INTERESTS

- *Programming languages & compilers, software engineering, computer security, deep learning*: novel methodologies, programming models, techniques and tools for improving software quality & programmer productivity
- *Transformative technologies for K-12 and college education*

PROFESSIONAL PREPARATION

- Ph.D., Computer Science (with minor in Mathematics), University of California, Berkeley, 2002
- M.S., Computer Science, University of California, Berkeley, 1997
- B.A., Mathematics (*with the Highest Honor*), University of Texas at Austin, 1995
- B.S., Computer Science (*with the Highest Honor*), University of Texas at Austin, 1995

APPOINTMENTS

- Professor, Department of Computer Science, ETH Zürich, 8/2018–present
- Professor, Department of Computer Science, UC Davis, 7/2011–present (on leave in 2018-19)
- Associate Professor, Department of Computer Science, UC Davis, 7/2007–6/2011
- Assistant Professor, Department of Computer Science, UC Davis, 11/2002–06/2007

HONORS AND AWARDS

- ACM SIGSOFT Distinguished Paper Award, 2004, 2010, 2018
- ACM SIGSOFT Impact Paper Award, 2018
- Google (twice), Mozilla, Cisco, IBM, Huawei, and Microsoft Faculty Research Award
- Most Published Author in top PL/SE venues (csrankings.org), 2018
- Top 100 (#47) Most Influential Scholars in Software Engineering (aminer.org), 2017
- ACM CACM Research Highlight for “On the Naturalness of Software”, 2016
- ACM SIGPLAN PLDI 2014 Distinguished Paper Award, 2014
- ACM SIGPLAN OOPSLA 2013 Best Paper Award, 2013
- Zuhair A. Munir Best Dissertation Award, UC Davis, PhD Advisor, 2013
- ACM SIGSOFT Outstanding Dissertation Award, PhD Advisor, 2012
- Chancellor’s Faculty Fellow, UC Davis, 2010–present
- Outstanding Junior Faculty Award, College of Engineering, UC Davis, 2007
- NSF CAREER Award (CISE CCF “Software Engineering and Languages” Program), 2006
- Award Paper selected by TACAS’04 program committee, Barcelona, Spain, 2004 (*seven out of 145*)
- The EAPLS Best Paper Award (at ETAPS’98), Lisbon, Portugal, 1998 (*one out of 290*)

PUBLICATIONS

- **Google Scholar:** <https://scholar.google.com/citations?user=RivxoIcAAAAJ>
Citations: 8,554 h-index: 44 (as of February 16, 2019)
- **Semantic Scholar:** <https://www.semanticscholar.org/author/Zhendong-Su/38319925>
- **DBLP:** <https://dblp.uni-trier.de/pers/hd/s/Su:Zhendong>
- **ACM:** https://dl.acm.org/author_page.cfm?id=81100108298

DOCTORAL/POSTDOCTORAL STUDENT PLACEMENTS

- **Academia (tenured):** Earl Barr (UCL), Jed Crandall (UNM), Lingxiao Jiang (SMU)
- **Academia (tenure-track):** Zhoulai Fu (ITU Copenhagen), Chengnian Sun (Waterloo), Qirun Zhang (GaTech)
- **Industrial R&D:** Mehrdad Afshari (Google), Mark Gabel (Viv Labs), Zhongxiao Gu (Facebook), Taeho Kwon (Ministry of National Defense, Korea), Vu Minh Le (Microsoft), Andreas Saebjoernsen (Uber), Fangqi Sun (Google), Zhaopeng Tu (Tencent AI Lab), Martin Velez (Uber), Ke Wang (Visa Research), Gary Wassermann (Riverbed), Liang Xu (Facebook)

PROFESSIONAL SERVICE ACTIVITIES

- **Associate Editor:** ACM Transactions on Software Engineering and Methodology (TOSEM; 2008-14); ICST Transactions on Security and Safety.
- **Program (Co-)Chair:** The 16th International Static Analysis Symposium (SAS 2009); International Symposium on Software Testing and Analysis (ISSTA 2012); 2013 ACM SIGSOFT Outstanding Research Award Committee; Workshops Co-Chair, the 37th International Conference on Software Engineering (ICSE 2015); ACM SIGSOFT Symposium on Foundations of Software Engineering (FSE 2016)
- **Steering Committee:** International Symposium on Software Testing and Analysis (ISSTA), 2011 – present; ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE), 2017 – present
- **Award Committee:** ACM SIGSOFT Impact Paper Award (2019); ACM SIGSOFT Outstanding Dissertation Award Committee (2013, 2017); ACM SIGPLAN Outstanding Dissertation Award Committee (2007)
- **Program Committee Member:** ACM SIGPLAN Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA: 2011, 2013, 2015 ERC, 2018 EPC); ACM SIGPLAN Conference on Programming Language Design and Implementation (PLDI: 2010, 2012, 2015 ERC, 2016, 2019); ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages (POPL: 2012 ERC, 2018); International Conference on Software Engineering (ICSE: 2008-10, 2012, 2017-19); International Symposium on Software Testing and Analysis (ISSTA: 2009-10, 2014, 2017); International Conference on Computer Aided Verification (CAV: 2015, 2017); Network and Distributed System Security Symposium (NDSS: 2008-09); Compiler Construction (CC: 2009); World Wide Web Conference (WWW: 2008-09); International Conference on Security and Privacy in Communication Networks (SecureComm: 2008); IEEE International Symposium on Theoretical Aspects of Software Engineering (TASE: 2008); ASIAN Symposium on Programming Languages and Systems (APLAS: 2007-08); ACM SIGSOFT Symposium on Foundations of Software Engineering (FSE: 2006, 2010-11, 2015, 2018-19); Static Analysis Symposium (SAS: 2006, 2010-11); International Conference on Tools and Algorithms for the Construction and Analysis of Systems (TACAS: 2006, 2019).
- **Conference/Journal Reviewer:** Information and Computation (I&C), Journal of Functional Programming (JFP), ACM Transactions on Programming Languages and Systems (TOPLAS), IEEE/ACM Transactions on Networking (TON), Higher-Order and Symbolic Computation (HOSC); Symposium on Principles of Programming Languages (POPL), ACM SIGPLAN Conference on Programming Language Design and Implementation (PLDI), International Conference on Software Engineering (ICSE), Foundations of Software Engineering (FSE), Static Analysis Symposium (SAS), Conference on Rewriting Techniques and Applications (RTA), International Colloquium on Automata, Languages and Programming (ICALP), Computer-Aided Verification (CAV).
- **NSF Panelist:** 2005-08, 2012-15; **AFOSR Proposal Reviewer:** 2007; **ARO Proposal Reviewer:** 2010.