

David Z. Pan's Biography

David Z. Pan received his B.S. degree from Peking University, and his M.S. and Ph.D. degrees from University of California, Los Angeles (UCLA). From 2000 to 2003, he was a Research Staff Member with IBM T. J. Watson Research Center. He is currently a Professor and holder of the Silicon Laboratories Endowed Chair in Electrical Engineering at The University of Texas at Austin. His research interests include electronic design automation, design for manufacturing, machine learning and hardware acceleration, design/CAD for analog/mixed signal designs and emerging technologies. He has published over 400 journal articles and refereed conference papers, and is the holder of 8 U.S. patents. He has graduated 40 PhDs/postdocs who are holding key academic and industry positions.

He has served as a Senior Associate Editor for ACM Transactions on Design Automation of Electronic Systems (TODAES), an Associate Editor for IEEE Transactions on Computer Aided Design of Integrated Circuits and Systems (TCAD), IEEE Transactions on Very Large Scale Integration Systems (TVLSI), IEEE Transactions on Circuits and Systems PART I (TCAS-I), IEEE Transactions on Circuits and Systems PART II (TCAS-II), IEEE Design & Test, Science China Information Sciences, Journal of Computer Science and Technology, IEEE CAS Society Newsletter, etc. He has served in the Executive and Program Committees of many major conferences, e.g., as the ISPD 2008 General Chair, DAC 2014 Tutorial Chair, ASP-DAC 2017 Program Chair, ICCAD 2018 Program Chair, and ICCAD 2019 General Chair.

He has received a number of prestigious awards for his research contributions, including the SRC Technical Excellence Award in 2013, DAC Top 10 Author in Fifth Decade, DAC Prolific Author Award, ASP-DAC Frequently Cited Author Award, ASP-DAC Prolific Author Award, 19 Best Paper Awards at premier venues (ISPD 2020, ASP-DAC 2020, DAC 2019, GLSVLSI 2018, VLSI Integration 2018, HOST 2017, SPIE 2016, ISPD 2014, ICCAD 2013, ASP-DAC 2012, ISPD 2011, IBM Research 2010 Pat Goldberg Memorial Best Paper Award, ASP-DAC 2010, DATE 2009, ICICDT 2009, SRC Techcon in 1998, 2007, 2012 and 2015) and 17 additional Best Paper Award candidates/finalists, Communications of the ACM Research Highlights (2014), ACM/SIGDA Outstanding New Faculty Award (2005), NSF CAREER Award (2007), SRC Inventor Recognition Award three times, IBM Faculty Award four times, UCLA Engineering Distinguished Young Alumnus Award (2009), UT Austin RAISE Faculty Excellence Award (2014), Cadence Academic Collaboration Award (2019), and many international CAD contest awards, among others. His students have also won many awards, including the First Place of ACM Student Research Competition Grand Finals (twice, in 2018 and 2021), ACM/SIGDA Student Research Competition Gold Medal (three times, in 2016, 2017, and 2020), ACM Outstanding PhD Dissertation in EDA (twice, in 2013 and 2018), EDAA Outstanding Dissertation Award (twice, in 2015 and 2019), and so on. He is a Fellow of IEEE and SPIE.