Xie and Zheng Named IEEE Fellows

UC Santa Barbara College of Engineering professors Haitao Zheng and Yuan Xie have been elevated to the rank of Fellow of the Institute of Electrical and Electronics Engineers (IEEE). IEEE Fellow is a distinction reserved for select IEEE members whose extraordinary accomplishments in any of the IEEE fields of interest are deemed fitting of this prestigious grade elevation.

Haitao (Heather) Zheng, professor of computer science, is recognized for contributions to dynamic spectrum access and cognitive radio networks. Professor Zheng joined the faculty of UC Santa Barbara in 2005 following a career at Microsoft Research and Bell Labs, and was awarded the Bell Labs President’s Gold Award in 2002. Zheng is a world-renowned pioneer and one of the most influential researchers in wireless networking, particularly in the area of cognitive radios and dynamic spectrum networks. She serves on numerous technical program and editorship committees, has published more than 100 scholarly articles in top journals and conference venues, and received several prestigious awards for her research contributions. In particular, she was one of the TR35 (Top 35 innovators under the age of 35) selected by MIT Technology Review in 2005. Zheng’s work on cognitive radios was also named as one of the Top 10 Emerging Technologies by MIT Technology Review in 2006. Zheng has been honored with several Best Paper awards and her research works have been featured by various news outlets, such as Boston Globe, Computer World, Extreme Tech, MIT Technology Review, and New York Times.
Yuan Xie, professor of electrical and computer engineering, is recognized for contributions to design automation and architecture of three-dimensional integrated circuits. Professor Xie joined the UCSB Engineering faculty this year, following career positions at IBM Microelectronics Division, AMD Research, and as faculty at Penn State University. He is a highly influential researcher in the areas of computer architecture, VLSI design, electronic design automation, and embedded system designs, with a focus on emerging three-dimensional integrated circuits and new memory technologies. His most distinctive contributions lie in the design automation and architecture for 3D ICs. He is recognized as a pioneer who has crossed traditional boundaries between architecture, design automation, and test for 3D ICs, and his cross-cutting research have made significant contributions to transform this emerging technology from research exploration to commercial adoption in semiconductor industry. Xie has published three books, more than 220 refereed papers in top journal and conference venues, with several Best Paper recognitions. He has been honored with an NSF CAREER award, IBM faculty award, ACM distinguished speaker, IEEE Computer Society Distinguished Visitor, and Semiconductor Research Corporations Inventor Recognition Award.

?This well-deserved, prestigious recognition by their peers around the world is highly valued and much appreciated at UCSB,? said Rod Alferness, Dean of the College of Engineering. ?We are all proud of the many achievements that this recognition represents for Professors Zheng and Xie.? 

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