

Title:

Micro- and Nano-sensors for IoT Security

Bio:

Prof. Younghyun Kim is an Assistant Professor and the Grainger Institute for Engineering Faculty Scholar in the Department of Electrical and Computer Engineering at the University of Wisconsin-Madison, where he leads the Wisconsin Embedded Systems and Computing (WISEST) Lab. Before joining UW-Madison, Prof. Kim was at Purdue University from 2013 to 2016 for postdoctoral research. He did his graduate work at Seoul National University and received the Ph.D. degree in Electrical Engineering and Computer Science in 2013 and the B.S. degree in Computer Science and Engineering in 2007. He was a visiting scholar at the University of Southern California from 2009 to 2011. His Ph.D. dissertation won the Outstanding Dissertation Award from the European Design and Automation Association (EDAA) in 2013. He also received the design contest award at the ACM/IEEE International Symposium on Low Power Electronics and Design (ISLPED) in 2017, 2012 and 2007, the IEEE SSCS Seoul Chapter Award at International SoC Design Conference (ISOCC) in 2009, and a Best Paper Award nomination at the ACM/IEEE International Symposium on Low Power Electronics and Design (ISLPED) in 2016. He has served on the technical program committees of the ACM/EDAC/IEEE Design Automation Conference (DAC), ACM/IEEE International Symposium on Low Power Electronics and Design (ISLPED), Asia and South Pacific Design Automation Conference (ASP-DAC), International Conference on VLSI Design (VLSID), Symposium on Applied Computing (SAC), and the PhD Forum at Design Automation and Test in Europe (DATE). He is serving as a guest editor on a special issue of Elsevier VLSI Integration Journal. Prof. Kim is interested in low-power embedded systems, secure and reliable cyber-physical systems, mobile computing systems, and the Internet-of-Things (IoT).