



Electrical and Computer Engineering  
Samuel Ginn College of Engineering

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**Shiwen Mao** received his Bachelor's and Master's degrees both in Electronic Engineering from [Tsinghua University](#), Beijing, P.R. China in 1994 and 1997, respectively. He also received a Bachelor's degree in Business Management from Tsinghua University in 1994 and a Master's degree in Systems Engineering from Polytechnic University (now [NYU Tandon School of Engineering](#)), Brooklyn, NY, in 2000. He received his Ph.D. in Electrical and Computer Engineering from Polytechnic University in 2004.

He was a research staff member with the [IBM China Research Lab](#) from 1997 to 1998. From 2003 to 2006, he was a Postdoctoral Research Associate and then a Research Scientist in the Bradley Department of Electrical and Computer Engineering at Virginia Polytechnic Institute and State University ([Virginia Tech](#)), Blacksburg, VA. He joined [Auburn University](#), Auburn, AL as an Assistant Professor in the Department of Electrical and Computer Engineering in 2006. Currently, he is the Samuel Ginn Endowed Professor and Director of the Wireless Engineering Research and Education Center ([WEREC](#)).

Dr. Mao's research interests include wireless networks and multimedia communications, with current projects on 5th generation wireless networks, free space optical networks, indoor localization and RF sensing, and smart grid. He is a [Distinguished Lecturer](#) of the IEEE Vehicular Technology Society. He was a co-recipient of IEEE SECON 2017 Best Demo Award, the Best Paper Awards from IEEE GLOBECOM 2016, IEEE GLOBECOM 2015, IEEE WCNC 2015, and IEEE ICC 2013, and of the 2004 [IEEE Communications Society Leonard G. Abraham Prize in the Field of Communications Systems](#). His student also received the Best Student Paper Award from IEEE PIMRC 2017. He received the NSF CAREER Award in 2010, the 2015 IEEE ComSoc TC-CSR Distinguished Service Award, and the 2013 IEEE ComSoc MMTC Outstanding Leadership Award. He was awarded the McWane Endowed Professorship in 2012 and the Samuel Ginn Endowed Professorship in 2015. He received Auburn Alumni Engineering Council Faculty Research Awards—the Senior Award in 2015 and Junior Award in 2011, and four Auburn Author Awards in 2016, 2015 and 2011. He is on the editorial board of IEEE Transactions on Multimedia, IEEE Internet of Things Journal, IEEE Multimedia, ACM GetMobile, Elsevier Ad Hoc Networks, and Elsevier Digital Communications and Networks. He is a Senior Member of the IEEE (Communications Society and Vehicular Technology Society), a member of the ACM, and a member of Tau Beta Pi and Eta Kappa Nu.

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