

Andrea Goldsmith is a professor of Electrical Engineering at Stanford University, and was previously an assistant professor of Electrical Engineering at Caltech. She founded Quantenna Communications Inc., and has previously held industry positions at Maxim Technologies, Memorylink Corporation, and AT&T Bell Laboratories. Her research includes work on wireless information and communication theory, MIMO systems and multihop networks, cognitive radios, sensor networks, cross-layer wireless system design, wireless communications for distributed control, and communications for biomedical applications. She is author of the book "Wireless Communications" and co-author of the book "MIMO Wireless Communications," both published by Cambridge University Press. She received the B.S., M.S. and Ph.D. degrees in Electrical Engineering from U.C. Berkeley.

Dr. Goldsmith is a Fellow of the IEEE and of Stanford. She has received several awards for her research, including the National Academy of Engineering Gilbreth Lectureship, the Alfred P. Sloan Fellowship, the Stanford Terman Fellowship, the National Science Foundation CAREER Development Award, and the Office of Naval Research Young Investigator Award. In addition, she was a co-recipient of the 2005 IEEE Communications Society and Information Theory Society joint paper award. Dr. Goldsmith currently serves as associate editor for the IEEE Transactions on Information Theory and as editor for the Journal on Foundations and Trends in Communications and Information Theory and in Networks. She previously served as an editor for the IEEE Transactions on Communications and for the IEEE Wireless Communications Magazine, as well as guest editor for several IEEE journal and magazine special issues. Dr. Goldsmith participates actively in committees and conference organization for the IEEE Information Theory and Communications Societies and has served on the Board of Governors for both societies. She is a Distinguished Lecturer for the IEEE Communications Society, the President of the IEEE Information Theory Society, and was the technical program co-chair for the 2007 IEEE International Symposium on Information Theory. She also founded the student committee of the IEEE Information Theory society, is an inaugural recipient of Stanford's postdoc mentoring award, and was elected to serve as Stanford's faculty senate chair for the 2009/2010 academic year.