

Bio: Andrea Goldsmith

Andrea Goldsmith is the Stephen Harris professor of Electrical Engineering at Stanford University. She also founded and served as Chief Technical Officer of Plume WiFi (formerly Accelera, Inc.) and of Quantenna (QNTA), Inc. Her research interests are in information and communication theory, and their application to wireless communications, molecular communication, and neuroscience. Prior to Stanford she held positions at Caltech, Maxim Technologies, Memorylink Corporation, and AT&T Bell Laboratories. Dr. Goldsmith is a member of the National Academy of Engineering, a Fellow of the IEEE and of Stanford, and has received several awards for her work, including the IEEE ComSoc Edwin H. Armstrong Achievement Award as well as Technical Achievement Awards in Communications Theory and in Wireless Communications, the National Academy of Engineering Gilbreth Lecture Award, and the Silicon Valley/San Jose Business Journal's Women of Influence Award. She is author of the book "Wireless Communications" and co-author of the books "MIMO Wireless Communications" and "Principles of Cognitive Radio," all published by Cambridge University Press, as well as an inventor on 28 patents. She has served in various leadership roles in the IEEE and in professional organizations aimed at diversifying STEM fields. At Stanford she served as Chair of Stanford's Faculty Senate and for multiple terms as a Senator, and currently serves on its Budget Group, Committee on Research, Planning and Policy Board, and Task Force on Women and Leadership.