

## **Prof. Chris Xu**

Chris Xu is the IBM Professor of Engineering and director of the School of Applied and Engineering Physics, Cornell University. He serves as the Mong Family Foundation Director of Cornell Neurotech – Engineering and the director of Cornell NeuroNex Hub, an NSF funded center for developing neurotechnology, and Director of the School of Applied and Engineering Physics. His current research areas are fiber optics and biomedical imaging, with major thrusts in multiphoton microscopy for deep brain imaging, multiphoton microendoscopy for clinical applications, and fiber-based devices and systems for telecommunications and optical imaging. His research has been supported by major grants from NIH, NSF, DARPA, and IARPA. Prior to Cornell, he was a Member of Technical Staff at Bell Laboratories. His main research focus at Bell Labs was on nonlinear imaging of semiconductor devices, fiber optics, and optical communications, including broadband access and ultralong haul transmission. He received his Ph.D. in Applied Physics, Cornell University, and his B.S. in Physics from Fudan University. He served as the Director of Graduate Studies in Applied Physics from 2007-2013, and the Director of Undergraduate Studies of the School of Applied and Engineering Physics from 2014 to 2016.

Dr. Xu has chaired or served on many conference organization committees and NSF/NIH review panels. He currently serves on the NIH NEI External Scientific Oversight Committee of the Audacious Goal Initiative and the OSA Biomedical Congress Strategic Planning Committee. He served as Associate Editor for Biomedical Optics Express, and is on the editorial boards of several journals. He has published 8 book chapters and ~ 300 journal and conference papers. Dr. Xu has delivered >300 plenary/keynote/invited conference presentations, research seminars, and outreach talks. He holds 24 patents on optical communications and imaging. He has won the NSF CAREER award, Bell Labs team research award, and the Tau Beta Pi and two other teaching awards from Cornell Engineering College. He received Cornell Engineering Research Excellence Award in 2017. He is a fellow of the National Academy of Inventors and a fellow of the Optical Society of America.