ABSTRACT: Traditionally, security and privacy research focused mostly on technical mechanisms and was based on the naive assumptions that Alice and Bob were capable, attentive, and willing to jump through any number of hoops to communicate securely. However, about 20 years ago that started to change when a seminal paper asked "Why Johnny Can't Encrypt" and called for usability evaluations and usable design strategies for security. Today a substantial body of interdisciplinary literature exists on usability evaluations and design strategies for security. Nonetheless, it is still difficult for most people to encrypt their email, manage their passwords, and configure their social network privacy settings. In this talk I will highlight some of the lessons learned from the past 20 years of usable privacy and security research, and explore where the field might be headed.

BIO: Lorrie Faith Cranor is the Director and Bosch Distinguished Professor in Security and Privacy Technologies of CyLab and the FORE Systems Professor of Computer Science and of Engineering and Public Policy at Carnegie Mellon University. She also directs the CyLab Usable Privacy and Security Laboratory (CUPS) and co-directs the MSIT-Privacy Engineering masters program. In 2016 she served as Chief Technologist at the US Federal Trade Commission. She is also a co-founder of Wombat Security Technologies, Inc, a security awareness training company that was acquired by Proofpoint. She has authored over 200 research papers on online privacy, usable security, and other topics. She has played a key role in building the usable privacy and security research community, having co-edited the seminal book Security and Usability and founded the Symposium On Usable Privacy and Security (SOUPS). She has served on a number of boards and working groups, including the Electronic Frontier Foundation Board of Directors, the Computing Research Association Board of Directors, and the Aspen Institute Cybersecurity Group. She is an ACM Fellow and IEEE Fellow.