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Dr. John E. Smee is Vice President of Engineering at Qualcomm Technologies Inc., where he is the WAN R&D lead responsible for all 5G research projects including end-end systems design, standards contributions, and advanced RF/HW/SW prototype implementations in Qualcomm's wireless research and development group. He joined Qualcomm in 2000, holds over 100 U.S. Patents, and has been involved in the design, innovation, and productization of wireless communications systems such as 5G NR, 4G LTE, 3G CDMA, and IEEE 802.11. He also leads Qualcomm's companywide academic collaboration program across technologies including wireless, semiconductor, multimedia, security, and machine learning. John received his Ph.D. in electrical engineering from Princeton University and also holds an M.A. from Princeton and an M.Sc. and B.Sc. from Queen's University.