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Dr. Arun Ghosh is the Director of Advanced Wireless Technology Group with AT&T Labs where he leads the development and implementation of advanced wireless technology for 5G and beyond 5G Radio Access Network. Currently he is involved in the development and standardization of new technology for 5G mobile networks where his main area of focus are mmWave communication systems, massive MIMO systems and network architecture for 5G network, spectrum sharing, software defined radio access networks etc. He is also responsible for various 5G trial and testbed activities carried out in the 5G technology lab in Austin. His main area of research relates signal processing and communication theory but he has also worked extensively and other topics such as cloud RAN, advanced system architecture, etc. He has published extensively in these area and is a key contributor to AT&T patent portfolio on this subject. Dr. Ghosh has also authored several bestselling books on LTE and WiMAX. He received his PhD from University Illinois at Urbana-Champaign and his masters and bachelors from Indian Institute of Technology.