



Invited Talk

Applications of Emerging Technologies in Future Networks

Dr. Dilip Krishnaswamy

Founder, Qwalks and
Adjunct Faculty, Bharti School of Telecom



DATE: APRIL 13, 2023 (THURSDAY)

TIME: 5:00 - 6:00 PM

MODE: ONLINE (MS TEAMS)

Abstract: As telecommunication networks move into 6G and beyond, these networks are experiencing a significant degree of transformation with the advent of virtualization technology, applied AI/ML techniques, network digital twin modeling techniques, Open RAN-based programmable disaggregated network architecture design, closed-loop network automation techniques, intelligent-controller-based designs, proactive system optimization techniques, Distributed Ledger Technology (DLT)/Web 3.0-based architecture, Deep Learning Transformer architecture, and quantum computing and communications techniques. This talk will give an overview of these emerging techniques and their applications to future networks. It is hoped that this talk will be of benefit to students as they plan for their careers.

Speaker's Profile: Dilip Krishnaswamy has led the architecture, design and development of engineering platforms & products at Intel Corp, Qualcomm Research, IBM Research, and Jio Platforms. He recently served as VP of New and Emerging Technology R&D at Jio Platforms. He has a PhD degree in Electrical Engineering from the University of Illinois at Urbana-Champaign. He recently received a Technologist of the Year 2020 Award from the IEEE in Bangalore. He has 65+ granted US patents and 70+ research publications, and is presently a Founder at QWalks, a startup working on AI/ML-based Digital Twin modeling, closed-loop system optimization, cybersecurity applications, and Quantum computing, networking, and communications.

Organizer: Prof. Swades De, IIT Delhi