# Bridging the 4G/5G Gap: Telecommunications Roadmap for Implementation – Two Part Series

An IEEE eLearning Library Live Course Series

Wireless technologies have become a fundamental part of daily life in the 21st century. They give us the ability to make efficient use of our time, connect us anytime and anywhere, and make our lives better in innumerable ways. In order to function, our wireless devices need to connect to cellular sites that provide good coverage both outdoors and indoors.

IEEE is at the forefront of bringing this telecommunications roadmap for implementation to institutional customers in a new and engaging format. Join us for these live and exclusive events that will provide an opportunity for your team to engage in a live Q&A with our subject matter expert, David Witkowski.

Upon registering for this event, you will also receive on-demand access to the recording with the Q&A, plus access to the course content via IEEE *Xplore* or the IEEE Learning Network.

Key Takeaways from this two part series:
- Understand the effects cellular networks have on society and commerce
- Understand how 5G can contribute to national and local economies
- Understand what is needed for 5G integration in a 3G/4G world
- Understand the technical lexicon and aspects of wireless equipment datasheets, reports, system design documents, and site applications
- Understand the risk vs. reward trade-offs of 4G and 5G

Benefits for attending:
- After completing an assessment at the end of each event, attendees will earn a Certificate of Completion confirming 2 PDHs/0.2 CEUs per event OR 4 PDHs/0.4 CEUs for both events
- Access to resources related to the topic (i.e. Bridging the Gap: 21st Century Wireless Communications Handbook, 2019 Edition)
- Access to the recorded on-demand versions of the events
- Access to the event in a format of a course program with knowledge checks throughout the modules

## Quick Facts

**Develop the skills and knowledge needed to succeed:**

Live two-course series designed to give engineers an understanding of the effects of 5G technology

Courses developed and peer reviewed by experts in their fields, a process that guarantees the quality of technical content

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### Part 1 – Live Event 10 March 2021 at 1pm ET

- Provide a historical overview of 4G/5G technology and how it has impacted society and residents of the United States
- Explain the legislative and regulatory background that defines what local governments, agencies, and the wireless industry can - and cannot - do

### Part 2 – Live Event 9 June 2021 at 1pm ET

- Showcase the scientific evidence surrounding wireless facilities' impact on property value and human health - including addressing conspiracy theories
- Provide a roadmap to deploy wireless facilities while minimizing the risk of legal actions either by wireless industry or private citizens

### Who should attend:

- Technical professionals working in ICT and the telecommunications industry;
- Academic faculty members teaching about cellular technologies;
- Students interested in learning about the applications of cellular technologies on a local level;
- Institutions, corporations, and organizations that work on cellular-related topics and projects;
- Local government and municipal agency leaders

**About the Presenter**

David Witkowski is an author, advisor, and strategist who works at the intersection between wireless telecommunications and local/regional governments. After serving in the U.S. Coast Guard and earning his B.Sc. in Electrical Engineering from the University of California, he held managerial and leadership roles for companies ranging from Fortune 500 multi-nationals to early-stage startups. David is the Founder & CEO of Oku Solutions LLC and serves as the Executive Director of Civic Technology Initiatives at Joint Venture Silicon Valley. He also serves as Co-Chair of the Deployment Working Group at IEEE Future Networks, Co-Chair of the GCTC Wireless SuperCluster at NIST, on the Board of Expert Advisors for the California Emerging Technology Fund, and is a Fellow in the Radio Club of America and a Senior Member in the IEEE.

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