Interference Mitigation and Energy Management in 5G Heterogeneous Cellular Networks

Part of the Advances in Wireless Technologies and Telecommunication Book Series

Chungang Yang (Xidian University, China) and Jiandong Li (Xidian University, China)

Description:

In recent years, wireless networks have become more ubiquitous and integrated into everyday life. As such, it is increasingly imperative to research new methods to boost cost-effectiveness for spectrum and energy efficiency.

Interference Mitigation and Energy Management in 5G Heterogeneous Cellular Networks is a pivotal reference source for the latest research on emerging network architectures and mitigation technology to enhance cellular network performance and dependency. Features extensive coverage across a range of relevant perspectives and topics, such as interference alignment, resource allocation, and high-speed mobile environments.

Readers:

This book is ideally designed for engineers, professionals, practitioners, upper-level students, and academics seeking current research on interference and energy management for 5G heterogeneous cellular networks.


Topics Covered:

- Cognitive Radio
- Game Theory
- Green Technologies
- High-Speed Mobile Environments
- Interference Alignment
- Load Balancing
- Resource Allocation
- Small-Cell Networks

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