

Positioning and Navigation in Complex Environments

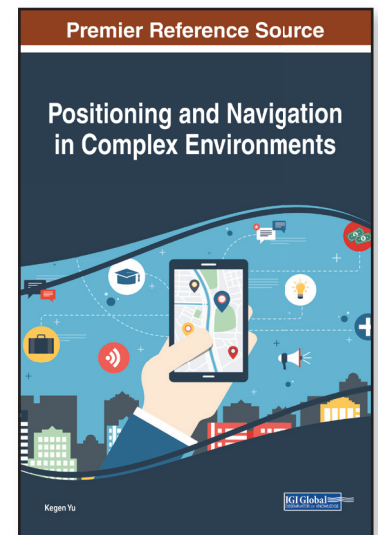
Part of the Advances in Wireless Technologies and Telecommunication Book Series

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Description:

The limitations of satellites create a large gap in assistive directional technologies, especially indoors. The methods and advances in alternate directional technologies is allowing for new systems to fill the gaps caused by the limitations of GPS systems.

Positioning and Navigation in Complex Environments is a critical scholarly resource that examines the methodologies and advances in technologies that allow for indoor navigation. Featuring insight on a broad scope of topics, such as multipath mitigation, Global Navigation Satellite System (GNSS), and multi-sensor integration, this book is directed toward data scientists, engineers, government agencies, researchers, and graduate-level students.



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Topics Covered:

- Fingerprint-Based Positioning Systems
- GNSS
- Microelectromechanical Systems (MEMS) Sensors
- Multi-Sensor Integration
- Multipath Mitigation
- Narrowband Radios
- Radio-Frequency Identification (RFID) Localization Techniques

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