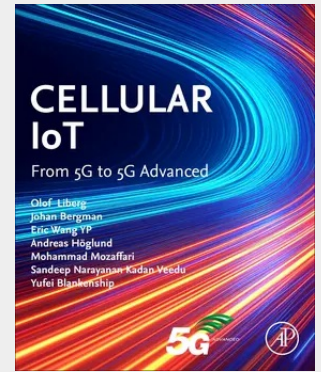


Cellular IoT

From 5G to 5G Advanced

Cellular IoT: From 5G to 5G Advanced gives an accessible and insightful explanation of 5G IoT technologies and standards. After an introduction to 5G and 5G Advanced, this book in detail goes through the 5G features that are vital for the support of IoT use cases. It describes how the 5G New Radio (NR) access technology has been adapted to provide cost- and energy-efficient connectivity for massive IoT and broadband IoT, as well as providing high data rates, ultra-reliability, and low latency to support immersive experience and time-critical communications. This book also discusses adaptations to support satellite communication, the future of massive IoT and how 3GPP is about to extend its support to near zero-energy and low-complexity devices and use cases. These forward-looking features will help evolve 5G and 5G Advanced toward realizing 6G visions such as a connected, sustainable, digitalized, and programmable physical world.



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