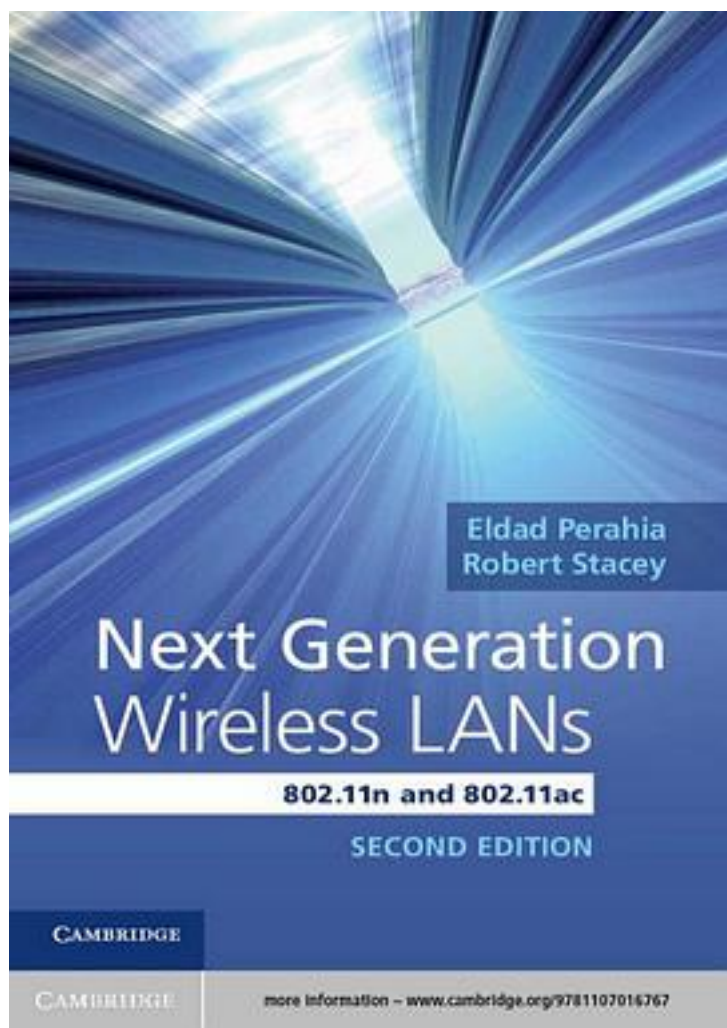


Next Generation Wireless LANs



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This comprehensive overview describes the underlying principles, implementation

details, and key enhancing features of 802.11n and 802.11ac. For many of these features, the authors outline the motivation and history behind their adoption into the standard. A detailed discussion of the key throughput, robustness, and reliability enhancing features (such as MIMO, multi-user MIMO, 40/80/160 MHz channels, transmit beamforming, and packet aggregation) is given, in addition to clear summaries of the issues surrounding legacy interoperability and coexistence.

作者介绍:

Eldad Perahia is a Principal Engineer in the Standards and Technology Group at Intel Corporation. He is Chair of the IEEE 802.11 Very High Throughput in 60GHz Task Group (TGad), the IEEE 802.11 Very High Throughput in <6 GHz Task Group (TGac) Coexistence Ad Hoc Co-Chair, the IEEE 802.11 liaison from the IEEE 802.19 Wireless Coexistence Working Group, and the former Chair of the IEEE 802.11 Very High Throughput Study Group. He was awarded his Ph.D. in Electrical Engineering from the University of California, Los Angeles and holds 21 patents in various areas of wireless communications.

Robert Stacey is a Wireless Systems Architect at Apple, Inc. He is the IEEE 802.11 Very High Throughput in <6 GHz Task Group (TGac) Technical Editor and MU-MIMO Ad Hoc Co-Chair. He was a member of the IEEE 802.11 High Throughput Task Group (TGn) and a key contributor to the various proposals, culminating in the final joint proposal submission that became the basis for the 802.11n draft standard. He holds numerous patents in the field of wireless communications.

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