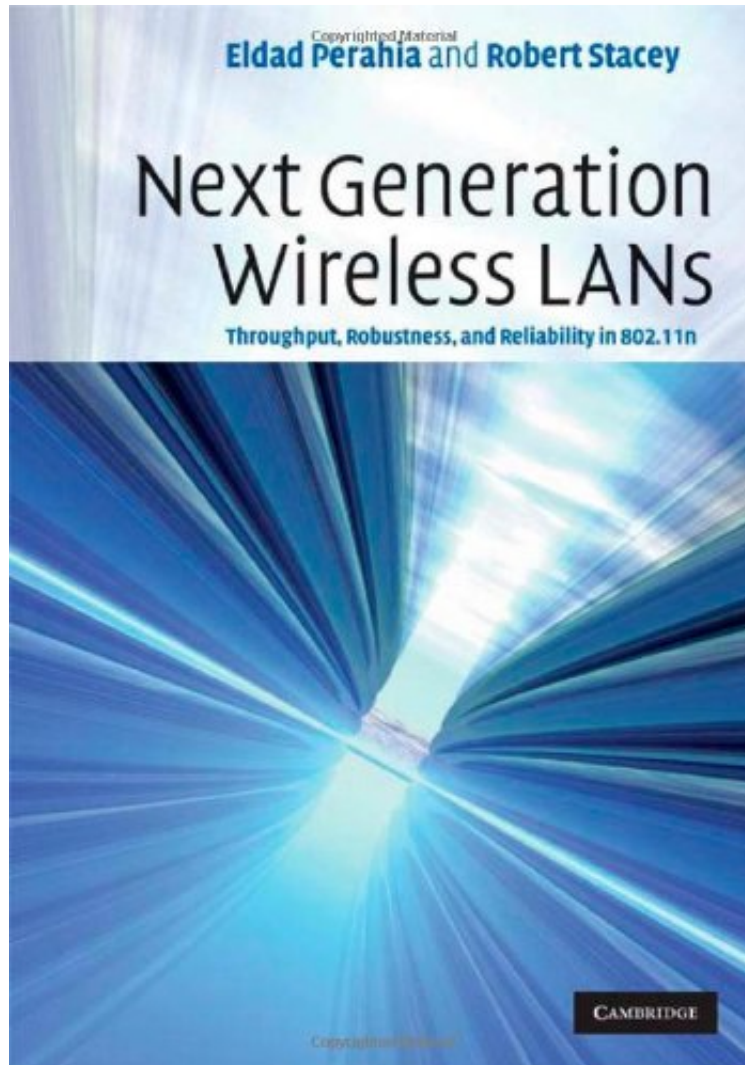


[FREE] Next Generation Wireless LANs: Throughput, Robustness, and Reliability in 802.11n

## Next Generation Wireless LANs: Throughput, Robustness, and Reliability in 802.11n

Von Eldad Perahia, Robert Stacey  
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**Von Eldad Perahia, Robert Stacey : Next Generation Wireless LANs: Throughput, Robustness, and Reliability in 802.11n** before purchasing it in order to gage whether or not it would be worth my time, and all praised Next Generation Wireless LANs: Throughput, Robustness, and Reliability in 802.11n:

KundenrezensionenHilfreichste Kundenrezensionen0 von 0 Kunden fanden die folgende Rezension hilfreich. Best book available on 802.11nVon Eng2020This is simply put the best book that is currently available on the latest 802.11n standard. Both PHY and MAC layers are discussed on a technical level and it is absolutely essential for

everyone working in the area. It covers MIMO, interoperability with legacy devices, and extensions for higher throughput and robustness on the PHY side. The MAC part covers protocol basics as well as throughput enhancements, advanced channel access, and coexistence. Techniques such as AMSDU and AMPDU aggregation, TXOP, RDG, BlockACKs, and many more are explained in detail. Both frame formats and given examples are very helpful. The last chapter gives an outlook on transmit beamforming. If you don't need the latest 11n standard extensions, the book of Matthew Gast is maybe a bit more comprehensive on Wireless LAN basics.

**Kurzbeschreibung** If you've been searching for a way to get up to speed quickly on IEEE 802.11n without having to wade through the entire standard, then look no further. This comprehensive overview describes the underlying principles, implementation details, and key enhancing features of 802.11n. A detailed discussion of the key throughput, robustness, and reliability enhancing features (such as MIMO, 40 MHz channels, and packet aggregation) is given, in addition to a clear summary of the issues surrounding legacy interoperability and coexistence. Advanced topics such as beamforming and fast link adaptation are also covered. With numerous MAC and physical layer examples and simulation results included to highlight the benefits of the new features, this is an ideal reference for designers of WLAN equipment, and network managers whose systems adopt the new standard. It is also a useful distillation of 802.11n technology for graduate students and researchers in the field of wireless communication. **Pressestimmen** Books like this one are invaluable because they provide the details and the background that allow readers to answer the questions, 'What is likely to be in the final standard and how does it work?' Eldad and Robert should be congratulated on taking up the challenge.' Andrew Myles, Chairman of Wi-Fi Alliance **über das Produkt** If you want to be brought up to speed quickly on IEEE 802.11n without having to wade through the entire standard, then look no further. This comprehensive overview describes the underlying principles, implementation details, and key enhancing features of 802.11n, whilst numerous examples highlight the benefits of the new features.