

Foundations of Radio for Scientists and Technologists

The go-to text for non-specialists requiring a serious introduction to radio. Designed for those without a specialist theoretical background in electronic and electromagnetic engineering, it uses a holistic, physics-based approach to describe the theory underpinning radio science and engineering. It covers a wide range of topics, from fundamentals such as radio wave theory, the electronics of radio, antennas and radio wave propagation, to software radio, spread spectrum and MIMO. With a wealth of practical exercises and examples accompanying the book online, this is the ideal text for graduate students, professionals and researchers who work on radio systems and need to understand both the science and practice of radio.

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