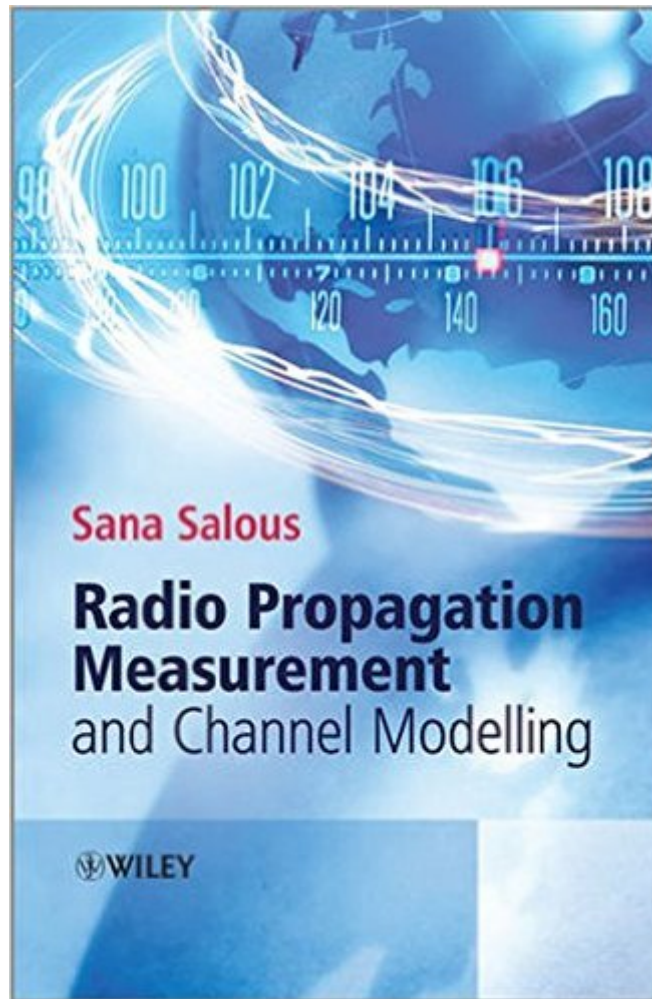


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# Radio Propagation Measurement And Channel Modelling



## Synopsis

While there are numerous books describing modern wireless communication systems that contain overviews of radio propagation and radio channel modelling, there are none that contain detailed information on the design, implementation and calibration of radio channel measurement equipment, the planning of experiments and the in depth analysis of measured data. The book would begin with an explanation of the fundamentals of radio wave propagation and progress through a series of topics, including the measurement of radio channel characteristics, radio channel sounders, measurement strategies, data analysis techniques and radio channel modelling. Application of results for the prediction of achievable digital link performance would be discussed with examples pertinent to single carrier, multi-carrier and spread spectrum radio links. This work would address specifics of communications in various different frequency bands for both long range and short range fixed and mobile radio links. Â

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