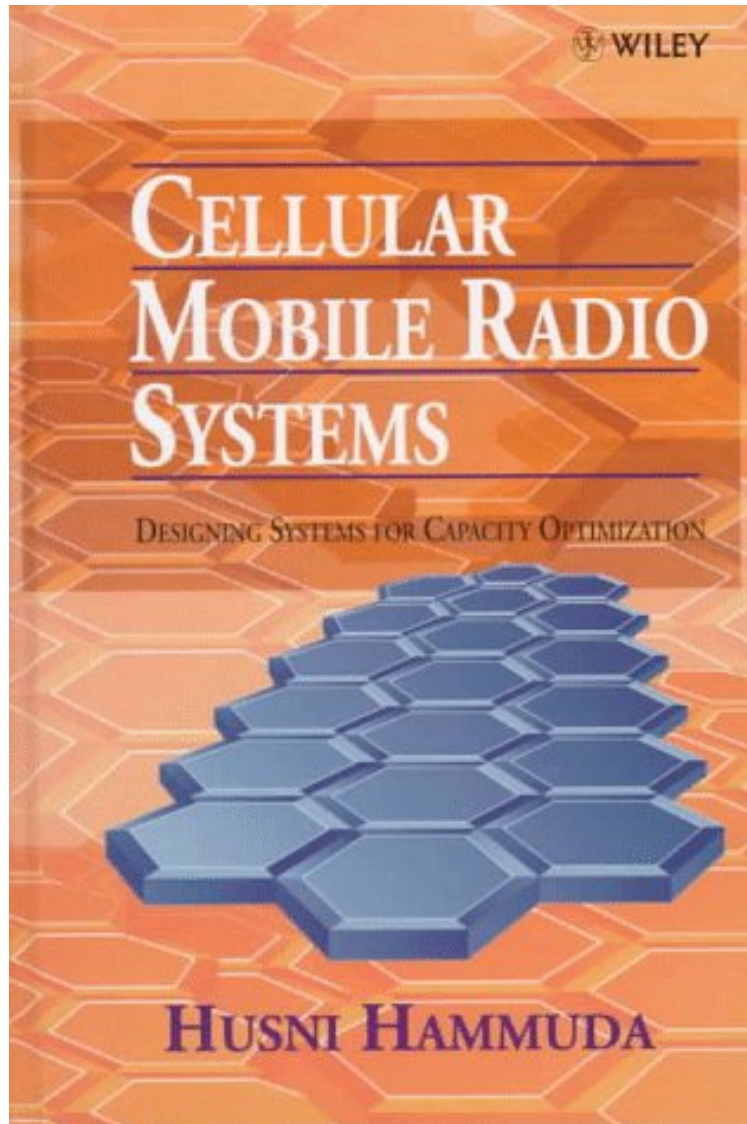


(Read and download) Cellular Mobile Radio Systems: Designing Systems for Capacity Optimization

Cellular Mobile Radio Systems: Designing Systems for Capacity Optimization

Husni Hammuda

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1 of 1 people found the following review helpful. This Book is About 10 Years Out of DateBy A CustomerCellular Mobile Radio Systems: Designing Systems for Capacity Optimization contains some good basic communications

theory, which would be useful to a sophomore engineering student. However, in my opinion, the content is woefully out of date and of little use to a contemporary cellular network engineer. Most of the references cited are from the 1980's or earlier, there is little mention of GSM and I could find no discussion of the North American TDMA-136 or CDMA standards. This was especially disconcerting given the 1997 copyright date. For the purposes of determining the ultimate capacity possible from any of the modern cellular radio standards, this book falls short.

Most radio systems have become so popular that the available frequency bands are able to meet only a fraction of the demand. This book gives practical solutions for optimizing efficiency of mobile radio cells.

From the Publisher Most radio systems have become so popular that the available frequency bands are able to meet only a fraction of the demand. This book gives practical solutions for optimizing efficiency of mobile radio cells. From the Back Cover Rapidly increasing demand for mobile radio frequency subscription is already pushing cellular networks to the point of overload. Of the various methods which are being explored to tackle this problem one of the most notable is the integration of advanced modulation and multiple access techniques. In this book, Husni Hammuda, a pioneer of this hybrid, shows how it can be applied in practice to optimise the efficiency of mobile radio cells. * Provides detailed criteria for the evaluation of combinations of modulation and multiple access techniques * Includes primary performance data as well as predictive models * Theoretical material is explained using examples from first and second generation transmission systems * Covers recent innovations in personal communications For the practising cellular communications engineer this is a systematic set of solutions for improving traffic flow in cellular networks. It also includes complete theoretical and case material ideal for postgraduate network engineering researchers.