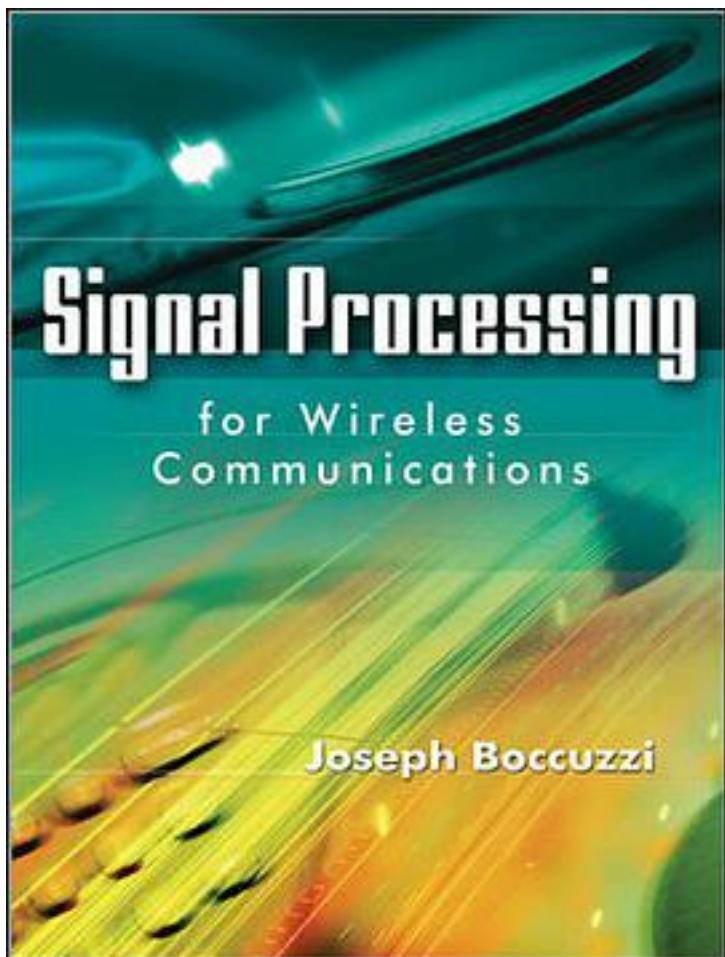


Signal Processing for Wireless Communications



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Written by Dr. Joseph Boccuzzi, a leading signal processing expert with years of product development, research, and teaching experience, this on-target engineering tool takes readers step by step through major wireless topics... modulation

theory...wireless multipath channel...modulation detection methods...performance improvement techniques...receiver digital signal processing...3G wideband CDMA...computer simulation estimation techniques...and 3G and beyond. Designed to bring engineers up to speed on the latest breakthroughs in signal processing technology, *Signal Processing for Wireless Communications* features:

Expert coverage of 3G wideband CDMA

Discussion of the role OFDM will play in future technologies

Complete information on the role of vital signal processing algorithms within the context of wireless applications

Discussions of advanced signal processing challenges in the mobile environment

Over 500 detailed illustrations

Inside This Hands-On Signal Processing Guide

- Wireless Topics
- Modulation Theory
- Wireless Multipath Channel
- Modulation Detection Techniques
- Performance Improvement Techniques
- Receiver Digital Signal Processing
- 3G Wideband CDMA
- Computer Simulation Estimation Techniques
- 3G and Beyond

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Dr. Joseph Boccuzzi is the principal scientist in the wireless business unit of Broadcom Corporation. He teaches wireless signal processing in continuing education and graduate courses.

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