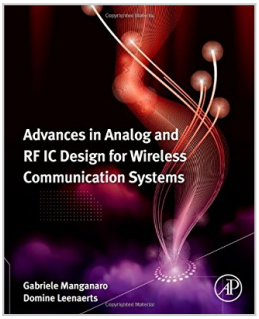

Advances in Analog and RF IC Design for Wireless Communication Systems

From Academic Press

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Advances in Analog and RF IC Design for Wireless Communication Systems gives technical introductions to the latest and most significant topics in the area of circuit design of analog/RF ICs for wireless communication systems, emphasizing wireless infrastructure rather than handsets. The book ranges from very high performance circuits for complex wireless infrastructure systems to selected highly integrated systems for handsets and mobile devices. Coverage includes power amplifiers, low-noise amplifiers, modulators, analog-to-digital converters (ADCs) and digital-to-analog converters (DACs), and even single-chip radios.

This book offers a quick grasp of emerging research topics in RF integrated circuit design and their potential applications, with brief introductions to key topics followed by references to specialist papers for further reading. All of the chapters, compiled by editors well known in their field, have been authored by renowned experts in the subject. Each includes a complete introduction, followed by the relevant most significant and recent results on the topic at hand.

This book gives researchers in industry and universities a quick grasp of the most important developments in analog and RF integrated circuit design.

- Emerging research topics in RF IC design and its potential application
- Case studies and practical implementation examples
- Covers fundamental building blocks of a cellular base station system and satellite infrastructure
- Insights from the experts on the design and the technology trade-offs, the challenges and open questions they often face
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Editorial Review

Review

*"Engineers at companies in the US and the Netherlands summarize the main and most current technical aspects of radio-frequency and analog/mixed-signal integrated circuit design for wireless infrastructure."--**Reference & Research Book News,*** **October 2013**

From the Back Cover

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This book will give researchers in industry and universities a quick grasp of the most important developments in Analog and RF IC design.

Key features include:

References to specialist papers for further reading About the Author
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the European Solid-State Circuits Conference (ESSCIRC), and of the International Solid State Circuits Conference (ISSCC). He is also member of the Steering Committee of the Radio Frequency Integrated Circuits Conference (RFIC). Domine leenaerts is Fellow IEEE. Users Review**From reader reviews:**
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