

River Publishers Series in Electronic Materials, Circuits and Devices

IC Design Insights - from Selected Presentations at CICC 2017

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ISBN: 9788770220491

e-ISBN: 9788770220484

Available From: April 2019

Price: € 95.00



Description:

This book contains a selection of tutorial and invited presentations that were given at the IEEE CICC 2017 in Austin, Texas. The selection of the talks was made to provide a comprehensive coverage of key topics, including Circuits Techniques for mm-wave front-ends, RF and mm-wave receivers and frequency synthesis, data and DC-DC converters, and techniques for IoT security.

The book is organized into five parts, namely:

- I: Millimeter-wave Transmitter Circuits
- II: Millimeter-wave and RF Receiver Circuits
- III: Data Converters
- IV: DC-DC Converters and Voltage Regulators
- V: IoT Security Circuits and Techniques

The book is part of an educational initiative of the IEEE Solid-State Circuits Society to offer its members state of the art educational material.

Keywords: Millimeter-wave Transmitter Circuits, Integrated Circuits, RF Receiver Circuits, Data Converters, Analog-to-Digital Converters, DC-DC Converters, Voltage Regulators, IoT Security Circuits, IoT Devices, Power Amplifiers, Wireless Systems

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