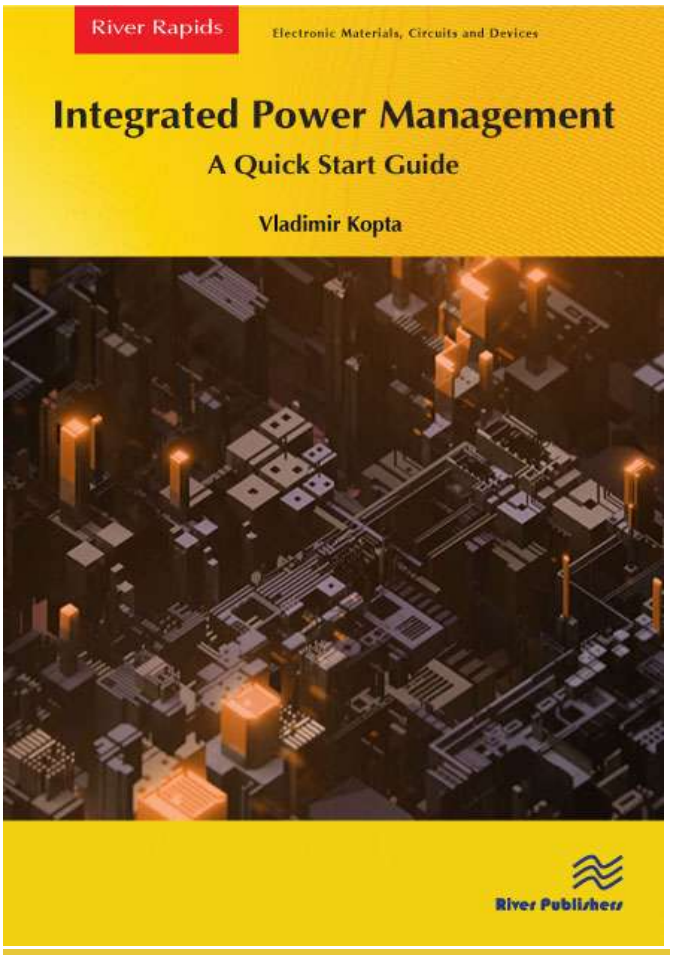
River Publishers

Integrated Power Management: A Quick Start Guide

Author: Vladimir Kopta, CSEM, Switzerland

This book is an introduction to the topic of integrated power management systems. More specifically, it targets the battery powered systems on a chip that provide different functions such as wireless connectivity, sensing (e.g. temperature, pressure, movement), localization, processing,and more. Power management is a crucial part of such systems, as they must provide different power supplies, tailored to the requirements of each sub-block, and must maintain high efficiency in order to allow for a long battery life. The book covers the fundamental principles and guidelines needed to start the design of an integrated power management system, and an overview of practical techniques used in state-of-the-art implementations.



River Publishers Series in Computer Engineering and Information Science and Technology

ISBN: 9788770228602
e-ISBN: 9788770228954
Available From: October 2023
Price: $ 96.99

KEYWORDS:
Power management, PMU, LDO, linear regulator, SoC, IoT, low-power, efficiency, battery-powered, DC-DC, converter, regulator, control system, switched-capacitor converter, energy harvesting, buck converter, boost converter

www.riverpublishers.com
marketing@riverpublishers.com