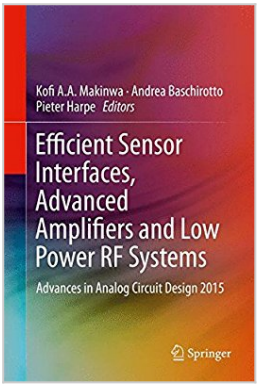

Efficient Sensor Interfaces, Advanced Amplifiers and Low Power RF Systems: Advances in Analog Circuit Design 2015

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This book is based on the 18 tutorials presented during the 24th workshop on Advances in Analog Circuit Design. Expert designers present readers with information about a variety of topics at the frontier of analog circuit design, including low-power and energy-efficient analog electronics, with specific contributions focusing on the design of efficient sensor interfaces and low-power RF systems. This book serves as a valuable reference to the state-of-the-art, for anyone involved in analog circuit research and development.

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Editorial Review

From the Back Cover

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· Provides a state-of-the-art reference in analog circuit design, written by experts from industry and academia;

· Presents material in a tutorial-based format;

· Includes coverage of high-performance analog-to-digital and digital to analog converters, integrated circuit design in scaled technologies, and time-domain signal processing.

About the Author
Kofi Makinwa holds degrees from Obafemi Awolowo University, Ile-Ife (B.Sc., M.Sc.), Philips International Institute, Eindhoven (M.E.E.) and Delft University of Technology, Delft (Ph.D.). From 1989 to 1999, he was a research scientist at Philips Research Laboratories, where he designed sensor systems for interactive displays, and analog front-ends for optical and magnetic recording systems. In 1999 he joined Delft University of Technology, where he is currently an Antoni van Leeuwenhoek Professor of the Faculty of Electrical Engineering, Mathematics and Computer Engineering and Chair of the Electronic Instrumentation Laboratory. Dr. Makinwa holds 18 patents and has authored or co-authored 4 books and over 170 technical papers. He is on the program committee of the European Solid-State Circuits Conference (ESSCIRC) and the workshop on Advances in Analog Circuit Design (AACD). He has also served on the program committees of the International Solid-State Circuits Conference (ISSCC), the International Conference on Solid-State Sensors, Actuators and Microsystems (Transducers) and the IEEE Sensors Conference. He was a distinguished lecturer of the IEEE Solid-State Circuits Society (2008 to 2011) and a guest editor of the Journal of Solid-State Circuits (JSSC). He has given invited talks and tutorials at several international conferences including ISSCC, ESSCIRC, ASSCC and the VLSI symposium. At the 60th anniversary of ISSCC, he was recognized as one of its top ten contributing authors. For his Ph.D. research, Dr. Makinwa was awarded the title of 'Simon Stevin Gezel' by the Dutch Technology Foundation (STW). In 2005, he received a VENI grant from the Dutch Scientific Foundation (NWO). He is a co-recipient of several best paper awards: from the JSSC (2), ISSCC (4), ESSCIRC (2) and Transducers (1). He is an IEEE Fellow, an alumnus of the Young Academy of the Royal Netherlands Academy of Arts and Sciences (KNAW) and an elected member of the AdCom of the IEEE Solid-State Circuits Society.

Users Review

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