

# Preface

This book is part of the Analog Circuit Design series and contains the contributions from all 18 speakers of the 24th workshop on Advances in Analog Circuit Design (AACD). The local chairs were Christian Enz (Ecole polytechnique fédérale de Lausanne (EPFL), Neuchâtel) and Alain-Serge Porret (Swiss Center for Electronics and Microtechnology (CSEM), Neuchâtel). This year, the sponsors of the workshop were Nano-Tera, Melexis, IEEE Switzerland Section, Republique et Canton de Neuchâtel, and Ville de Neuchâtel. The workshop was held at the Institute of Microengineering (IMT) of EPFL in Neuchâtel, Switzerland, from April 21 to 23, 2015.

The book comprises three parts, covering topics in advanced analog and mixed-signal circuit design that we consider to be of great interest to the circuit design community:

- Efficient Sensor Interfaces
- Advanced Amplifiers
- Low-Power RF Systems

Each part consists of six chapters written by experts in the field.

The aim of the AACD workshop is to bring together a group of expert designers to discuss new developments and future options. Each workshop is then followed by the publication of a book by Springer as part of their successful series on Analog Circuit Design. This book is the 24th in this series (a full list of the previous topics can be found on the following page). The series can be seen as a reference for all people involved in analog and mixed-signal design.

We are confident that this book, like its predecessors, will prove to be a valuable contribution to our analog and mixed-signal circuit design community.

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Efficient Sensor Interfaces, Advanced Amplifiers and  
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