

Preface

This book is part of the *Analog Circuit Design* series and contains contributions of all 18 speakers of the 23rd workshop on Advances in Analog Circuit Design (AACD). The local chairs were Jorge Guilherme (from Instituto Politécnico de Tomar, Tomar) and Nuno Horta (from Instituto Superior Técnico, Lisbon). The sponsors of the workshop this year have been SYNOPSIS, FCT—Fundação para a Ciência e a Tecnologia, IST—Instituto Superior Técnico, IPT—Instituto Politécnico de Tomar, IT—Instituto de Telecomunicações, and Turismo de Lisboa. The workshop was held at Instituto Superior Técnico in Lisbon, Portugal, in April 8–10, 2014.

The book comprises three parts, covering advanced analog and mixed-signal circuit design fields that are considered highly important by the circuit design community:

- High-Performance AD and DA Converters
- IC Design in Scaled Technologies
- Time-Domain Signal Processing

Each part contains six chapters from 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 followed by the publication of a book by Springer in their successful series of *Analog Circuit Design*. This book is the 23rd in this series. The book series can be seen as a reference for all people involved in analog and mixed-signal design. The full list of the previous books and topics in the series is given next.

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

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High-Performance AD and DA Converters, IC Design in
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