



13th International Conference on Synthesis, Modeling, Analysis and Simulation Methods and Applications to Circuit Design

27-30 June 2016, Lisbon, Portugal



SMACD 2016

CALL FOR PAPERS

The International Conference on Synthesis, Modeling, Analysis and Simulation Methods and Applications to Circuit Design (SMACD) will be held in Lisbon, Portugal, as a forum devoted to Design Methods and Tools for Analog, Mixed-signal, RF (AMS/RF) and multi-domain (MEMs, nanoelectronic, optoelectronic, biological, etc.) integrated circuits and systems. SMACD 2016 is **Technically Co-sponsored by IEEE, IEEE CEDA and IEEE CAS**. All accepted papers will be published in **IEEE Xplore**.

SMACD 2016 topics of interest include, but are not limited to:

- Performance, Reliability, Variability modeling
- Power and thermal modeling
- Compact device and circuit modeling
- Multi-domain modeling (optoelectronics, MEMs, biological, biochemical, etc.)
- Modeling languages and applications
- Linear and non-linear model reduction
- Circuit and system theory and applications
- Behavioral modeling and simulation
- Numerical and symbolic simulation methods
- Distributed and parallel circuit simulation
- Analysis and simulation techniques for emerging nanoscale devices
- Analysis of reliability effects: aging, electro-migration, BTI, etc.
- Simulation and estimation methods of variability and yield
- Fault modeling and simulation
- System-level specification and simulation
- Novel system-level design flows
- Innovative design methodologies
- Synthesis methods in multi-domain (MEMs, electro-optical, etc.) systems
- Physical synthesis
- High-frequency modeling, simulation and design
- Low-power design techniques
- Parasitic-aware synthesis
- Variability-aware and reliability-aware design methodologies
- Test and design-for-test methods
- Language-based synthesis techniques
- Optimization methods applied to circuit and system design

Important Dates

Paper Submission Deadline:	4 th Mar 2016
Author Notification:	15 th Apr 2016
Camera Ready Paper Submission:	30 th Apr 2016
Early Registration Deadline:	30 th Apr 2016

Organized by:



Organizing Committee

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Venue

SMACD 2016 will be held at IST Congress Center, University of Lisbon, Portugal.
SMACD 2016 will be co-located with PRIME 2016 (PRIME2016.lx.it.pt)

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