



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

27-30 June 2016, Lisbon, Portugal



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**. A selection of presented papers will be considered for a special issue of **Integration, the VLSI Journal, Elsevier**.

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

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Important Dates

Paper Submission Deadline EXTENDED:	18th Mar 2016
Author Notification:	15th Apr 2016
Camera Ready Paper Submission:	30th Apr 2016
Early Registration Deadline:	30th Apr 2016

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)

Organized by:



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