SMACD'15

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

Istanbul, Turkey, 7-9 September,2015

(SMACD) will be held in Istanbul (Turkey) as a dedicated forum devoted to Design Methods and Tools for Analog, Mixedsignal, RF (AMS/RF) and multi-domain (MEMs, nanoelectronic, optoelectronic, biological, etc.) integrated circuits and systems.

SMACD 2015 topics of interest include, but are not limited to:

- Performance modeling
- Power and thermal modeling
- Reliability modeling
- Variability 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.
- Fault modeling and simulation
- Optimization methods applied to circuit and system design: high-level synthesis, structural synthesis, sizing, etc.

- System-level specification and simulation
- Novel system-level design flows
- Innovative design methodologies enabled by behavioral, performance, and/or symbolic modeling techniques
- 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
- Simulation and estimation methods of variability and yield

Organization

Boğaziçi University

Important Dates:

Deadline for submission of papers:..**April 20, 2015**

Notification of acceptance:..**June 12, 2015**

Deadline for submission of camera ready papers:.............................**July 10, 2015**

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