



# S<sup>m</sup>2 ACD'2010

XI<sup>th</sup> International Workshop on Symbolic and Numerical Methods, Modeling and Applications to Circuit Design

October 5 - 6, 2010  
Tunis-Gammarth, Tunisia



in cooperation



SM2ACD is a flagship workshop in the realms of symbolic circuit analysis methods, modelling and optimization techniques of analog and mixed circuits.

The SM2ACD series continues a long tradition started in France in 1991. Subsequent workshops were organized in Italy (1992), Spain (1994), Belgium (1996), Germany (1998), Portugal (2000), Romania (2002), Poland (2004), Italy (2006), and Germany (2008). The 11th edition is organised in Tunisia on October 5-6, 2010.

In addition, a pre-conference program and tutorial sessions will be offered on October 4.

Prospective authors are invited to submit their 4-page manuscripts reporting original work in all areas of the design, analysis, synthesis, modelling and optimization of analog and mixed circuits.

All submitted papers must follow the IEEE conference template downloadable from the SM2ACD 2010 website.

#### Topics of interest include, but are not limited to:

- Recent advances in analog CAD with focus on symbolic and/or numerical analysis and modelling techniques, design tools and methodologies,
- Symbolic and numerical methods for analog, mixed-signal, RF, wireless, multi-domain (MEMS, nanoelectronic, optoelectronic, biological, etc.) circuits and systems analysis and design,
- Novel circuit design methodologies and design automation enabled by behavioral modelling and/or symbolic techniques (including modelling, simulation, and optimization of performances, reliability, and yield for analog, mixed-signal, RF, multi-domain circuits),
- Linear and nonlinear model reduction and computer-aided macromodeling,
- Optimization techniques applied to analog, RF and mixed circuits,
- High Level Synthesis Techniques,
- Graphs and Circuits & Systems Theory and Applications,
- Symbolic/numerical methods in innovative electrical/electronic engineering education.

- Papers will be published in the IEEE Xplore.
- A special issue consisting of the best presented papers will be published in the Analogue Integrated Circuits and Signal Processing International Journal.

#### Author's Schedule:

Deadline for submission of draft papers ..... May 1, 2010

Notification of acceptance ..... July 1, 2010

Deadline for submission of camera ready papers ..... August 15, 2010

Registration deadline..... August 15, 2010

#### Chair:

**M. Fakhfakh**

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