

SMACD 2017 EDA Competition

The 2017 edition of the International Conference on Synthesis, Modeling, Analysis and Simulation Methods and Applications to Circuit Design (SMACD 2017) was held in Giardini Naxos-Taormina, Italy, from 12th to 15th June 2017, with the technical sponsorships of IEEE, IEEE Council on Electronic Design Automation (CEDA) and IEEE Circuits and Systems Society (CASS), with also its Chapter, the IEEE CAS Central & South Italy Section.

SMACD is a dedicated forum devoted to modeling, simulation and synthesis for analog, mixed-signal, RF (AMS/RF) and multi-domain (MEMs, nanoelectronic, optoelectronic, biological, etc.) integrated circuits and systems.

Since several editions, SMACD organizes an EDA students' Competition, where MSc and PhD students can compete with their best ideas, methodologies, flows and tools with one unique but challenging goal: *"Improving design automation for integrated circuits and systems"*. Every year the number of papers and live demos proposed for the Competition is increasing, as well as the quality and the potentiality of the proposed solutions.

A \$1,000 prize has been granted to the winner of the Competition. As result of the IEEE CASS Call for Outreach Initiative 2017, the *"Financial support for SMACD2017 students' Competition"* proposal was found worthy of funding from the IEEE CASS Outreach Committee, which has supported the conference Competition with \$500 USD.

The 2017 edition of the Competition has been co-organized by Rafael Castro-Lopez (CSIC and University of Seville, Spain) and Ralf Sommer (Ilmenau University of Technology, Germany). In two dedicated sessions of the conference, the best six proposals and ideas were presented by the students. A committee of experts from academia and industry interacted with the students during the sessions and selected the winner of the Competition based on the quality of the paper, its presentation and its live demo. SMACD 2017 was honored to have the participation of the following members of the Jury: Haralampos Stratigopoulos (Université Pierre et Marie Curie, France), Stefano Sueri (STMicroelectronics, Italy), Ivan Boccuni, (Micron Foundation, Italy), Anton Klotz (Cadence, Germany), Alberto Gola (ON Semiconductor, Czech Republic). The Competition prize was granted to Axel Hald, from Automotive Electronics Robert Bosch GmbH, Germany. His paper entitled *"A New Method for the Analysis of Movement Dependent Parasitics in Full Custom Designed MEMS Sensor"* (co-Authors: J. Seelhorst, P. Herzogenrath, J. Scheible and J. Lienig) was awarded during the SMACD 2017 gala dinner.

More details on the Competition are available at <http://smacd2017.unisa.it/?id=callcomp>

Giulia Di Capua
SMACD 2017 General Chair



The Competition award ceremony. From left to right: Ralf Sommer (Competition Co-Chair), Axel Hald, Franco Maloberti (IEEE CASS President), Rafael Castro-Lopez (Competition Co-Chair) and Giulia Di Capua (SMACD 2017 General Chair).