

MEMS & HETEROGENEOUS SYSTEMS: WHICH DESIGN TOOLS AND METHODOLOGIES ARE MISSING?

SMACD19 SPECIAL SESSION

15-18 JULY • LAUSANNE • SWITZERLAND

CALL FOR SPECIAL SESSION ON

“MEMS & HETEROGENEOUS SYSTEMS: WHICH DESIGN TOOLS AND METHODOLOGIES ARE MISSING?”

MEMS have been one of the most important technologies on the 21st century, and, have revolutionized both industrial and consumer products by combining silicon-based microelectronics with micromachining technology. Its techniques and microsystem-based devices are affecting of all of our lives and the way we live, every day. Over the past decade, MEMS researchers and developers have demonstrated an extremely large number of microsensors for almost every possible sensing modality including temperature, pressure, inertial forces, chemical species, magnetic fields or radiation. Remarkably, many of these micromachined sensors have actually demonstrated performances exceeding those of their macroscale counterparts. What will be the future? Will the MEMS design law “one design – one technology” still be true or will the design be similar to schematic-driven ASIC design using PDKs and libraries? Will we design MEMS independently of the technology development by fabless design houses?

MEMS and Heterogeneous Systems design is more important than ever, and, this special session aims at presenting the most recent advances in CAD tools to support MEMS and Heterogeneous Systems design and optimization.

ORGANIZERS

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PAPER SUBMISSION

If you would like to contribute to this Special Session please contact its organizers.

All paper submissions should follow the SMACD guidelines: smacd2019.com/paper-submission

Important Note: Authors should **only** indicate the “**Special Session**” option when submitting the paper on the **EasyChair platform**.

IMPORTANT DATES

Paper Submission Deadline 8th March 2019
Author Notification 19th April 2019
Camera Ready Submission 3th May 2019
Early Registration Deadline 3th May 2019

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