

CENICS 2016

Forward

The Ninth International Conference on Advances in Circuits, Electronics and Micro-electronics (CENICS 2016), held between July 24-28, 2016 in Nice, France, continued a series of events initiated in 2008, capturing the advances on special circuits, electronics, and micro-electronics on both theory and practice, from fabrication to applications using these special circuits and systems. The topics covered fundamentals of design and implementation, techniques for deployment in various applications, and advances in signal processing.

Innovations in special circuits, electronics and micro-electronics are the key support for a large spectrum of applications. The conference is focusing on several complementary aspects and targets the advances in each on it: signal processing and electronics for high speed processing, micro- and nano-electronics, special electronics for implantable and wearable devices, sensor related electronics focusing on low energy consumption, and special applications domains of telemedicine and ehealth, bio-systems, navigation systems, automotive systems, home-oriented electronics, bio-systems, etc. These applications led to special design and implementation techniques, reconfigurable and self-reconfigurable devices, and require particular methodologies to be integrated on already existing Internet-based communications and applications. Special care is required for particular devices intended to work directly with human body (implantable, wearable, ehealth), or in a human-close environment (telemedicine, house-oriented, navigation, automotive). The mini-size required by such devices confronted the scientists with special signal processing requirements

The conference had the following tracks:

- Design, models and language
- Application-driven Advances in Additive Manufacturing Technologies
- Special circuits

We take here the opportunity to warmly thank all the members of the CENICS 2016 technical program committee, as well as all the reviewers. The creation of such a high quality conference program would not have been possible without their involvement. We also kindly thank all the authors that dedicated much of their time and effort to contribute to CENICS 2016. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

Also, this event could not have been a reality without the support of many individuals, organizations and sponsors. We also gratefully thank the members of the CENICS 2016 organizing committee for their help in handling the logistics and for their work that made this professional meeting a success.

We hope CENICS 2016 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in the field of circuits, electronics and microelectronics. We also hope that Nice, France provided a pleasant

environment during the conference and everyone saved some time enjoy the beautiful French Riviera.

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