

18th International Conference “Mixed Design of Integrated Circuits and Systems” - MIXDES 2011

On 16-18 June 2011, Gliwice, Poland, the annual International Conference MIXDES 2011 took place. The event was organized by the Technical University of Lodz together with the Silesian University of Technology. The conference was co-sponsored by The Institute of Electrical and Electronics Engineers, Poland Section IEEE – ED & CAS Chapters and the Polish Academy of Sciences, Committee of Electronics and Telecommunication, Section of Microelectronics and Sections of Signals and Electronic Circuits and Systems.

In addition to the regular program four special sessions were organized:

- “*Biomedical Engineering*”, organized by Prof. Ewa Piętka (Silesian Univ. of Techn, Poland),
- “*Compact Modelling for Diagnostics and Design of Nanoscaled Analog ICs*”, organised by Dr. Władysław Grabiński (GMC Suisse, Switzerland) and Dr. Daniel Tomaszewski (Inst. of Electron Techn., Poland),
- “*VESTIC: New VLSI Technology, Devices and Circuits*”, organised by Prof. Wiesław Kuźmich (Warsaw Univ. of Techn., Poland),
- “*xTCA for Instrumentation*”, organised by Dr. Stefan Simrock (DESY, Germany) and Dr. Dariusz Makowski (Technical University of Łódź, Poland).

The conference was attended by over 150 scientists coming from 24 countries all over the world. During the conference four invited papers and 126 regular papers were presented at oral, poster, and special sessions.

The following invited keynote presentations were given by:

- “*Design and Technology of High-Power Silicon Devices*”, J. Vobecký (Czech Tech. Univ. Prague, Czech Republic)
- “*NeoSilicon Based Nanoelectromechanical Information Devices*”, S. Oda (Tokyo Inst. of Techn., Japan) - IEEE EDS Distinguished Lecturer
- “*Technology Challenges in Silicon Devices Beyond the 16 nm Node*”, M. Östling (Royal Inst. of Techn., Sweden) - IEEE EDS Distinguished Lecturer.

Based on evaluation of the quality of the papers and presentations, thirteen of the papers have received the Best Paper Award. Additionally, the paper entitled “*Hall Effect Sensors Performance Investigation Using Three-Dimensional Simulations*” (Maria-Alexandra Paun, Jean-Michel Sallese and Maher Kayal - EPFL, Switzerland) has got the Poland Section IEEE ED Chapter Special Award from the Chapter Chairman.

The next MIXDES 2012 Conference will take place in Warsaw. The Preliminary Call for Papers is available at <http://www.mixdes.org/downloads/call2012.pdf>. More information about the past and next MIXDES Conferences can be found at <http://www.mixdes.org>.



Participants of the MIXDES Conference