

SBMicro2016

Since 1986
30 years

31st SYMPOSIUM ON MICROELECTRONICS
TECHNOLOGY AND DEVICES

CHIP ON THE MOUNTAINS

Co-located Symposia:

29th SBCCI – Circuits and Systems Design
6th WCAS – IC Design Cases

1st INSCIT – Electronic Instrumentation
16th SForum – Undergraduate-student Forum



Belo Horizonte, Minas Gerais, BRAZIL

August 29 to September 3, 2016

www.chip-on-the-mountains.com



IEEE



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31st Symposium on Microelectronics Technology and Devices

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Call for Papers

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For Program Committee Members,
please see the conference webpage

SBMicro is an international forum dedicated to semiconductor devices and processes, mainly targeting microelectronics integration, held annually in Brazil. The 31st SBMicro will take place in Belo Horizonte, capital of the State of Minas Gerais. The goal of the symposium is to bring together researchers and industrial/commercial partners in the areas of materials, processing, equipment, MEMS, micro-transducers, photovoltaic cell & module technology, and modeling & TCAD of integrated devices and circuits. This international symposium offers a unique blend of interdisciplinary topics and includes plenary sessions, technical presentations & posters, tutorials, discussion panels, social events & networking possibilities. We will also organize a non-standard interactive and dynamic exhibition to promote a more effective benefit to attendees, institutes and companies. The scientific papers will be published by IEEE and the best papers will be invited to resubmit an extended version to be considered for publication at JICS - Journal of Integrated Circuits and Systems.

Paper Submission:

SBMicro2016 will receive camera-ready submissions in English for consideration by the Program Committee with a maximum of 4 pages, two-column following the IEEE conference format. Submission paper format details for **SBMicro2016** are available at the conference website. Simultaneous submissions or submissions of previously published papers will not be considered.

Topics of interest include, but are not limited to:

- Nanoelectronics;
- Semiconductor and MEMS processing;
- Optoelectronics and photovoltaic;
- Modeling and simulation;
- Device characterization;
- Energy harvesting;
- Power devices;
- Packaging;
- Novel materials and devices;
- Technology roadmaps;
- Engineering education.
- Display technology;
- Sensors and actuators;
- Plasma technology and diagnostics;
- Reliability and yield;
- Circuit-device interaction;
- Biomedical devices;

Important Dates

Paper Submission Deadline: April 3rd, 2016

Notification of Acceptance: May 27th, 2016

Camera-Ready Deadline: June 17th, 2016

Location:

Belo Horizonte, translated as beautiful horizon, is the capital of the State of Minas Gerais, located 843 m above sea level, full of greenery and with a pleasant atmosphere. The urban infrastructure of this 118-year-old city combines modernity to tradition and houses around 2.5 million inhabitants who benefit from a range of entertainment options. Beagá, as it is also graciously called, is situated in a strategic location within Brazil as close as a one-hour flight from Rio de Janeiro, São Paulo or Brasília, being considered an important hub to the national air network. The city offers more bars per capita than any other major Brazilian city, serving an exclusive range of options for drinks and food, especially the famous regional cachaça, the main ingredient for the world-famous caipirinha. The surrounding area is rich with unspoiled natural areas, including caves, waterfalls and tropical biospheres. There is also direct access to historical colonial cities, as Ouro Preto, and to the exquisite open-air art-gallery complex amid landscaped gardens, Inhotim. The State of Minas Gerais is active in various industrial sectors, agricultural crops and cattle handling, having also staged a history in the microelectronics national scenario. The state is currently re flourishing both industrially and academically in the semiconductor, nanotechnology, photovoltaic and microelectronics fields, providing exclusive access to yet untapped markets. We will be pleased to host you and your colleagues in Belo Horizonte in 2016 to explore possible innovation horizons.

www.chip-on-the-mountains.com, chip@dcc.ufmg.br

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