LASCAS 2020
11th IEEE Latin American Symposium on Circuits and Systems
San José, Costa Rica
February 25-28, 2020

The Symposium
LASCAS is the international symposium and flagship event of the IEEE Circuits and Systems Society in Latin America. Its main objectives are to promote innovation in technology and excellence for the benefit of humankind, through advances in research and development in all areas of knowledge related to the fields of electronics and communications.

LASCAS is internationally recognized symposium aiming at deepening the interaction between academy and industry through the region and the world, giving place to the integration of existing lines of scientific and technical research and development. The symposium will cover technical novelties and tutorials on circuits and systems topics including, but not limited to:

- Analog and Digital Signal Processing
- Biomedical Circuits and Systems
- Intelligent Sensor Systems and Internet of Things
- Nanoelectronics and Gigascale Systems
- Electronic Design Automation
- Circuits and Systems for Communications
- RF Circuits and Systems
- Smart Systems and Smart Manufacturing
- Power Systems and Power Electronic Circuits
- Multimedia Systems and Applications
- Life Science Systems and Applications
- Electronic Testing
- Fault-Tolerant Circuits
- Nonlinear Circuits and Systems
- Cognitive Computing and Deep Learning
- Computing and Big Data Applications

The event promotes active participation among participants through distinguished lectures by internationally acclaimed speakers, special sessions on current circuits and systems topics, an industrial forum, and several poster sessions, intended to generate a fertile environment for the open exchange of ideas and the establishment of future collaboration.

Schedule

February 25
- Conference registration
- Tutorials and open seminars
- Welcome cocktail

February 26, 27, 28
- Keynote speeches
- Special sessions, track sessions
- Live demonstrations
- Industrial forum and exhibition
- Industrial tours
- Gala dinner
- Cultural events

General Chairs:
Dr. Alfonso Chacón-Rodríguez – TEC, Costa Rica, alchacon@tec.ac.cr
Dr. Renato Rimolo-Donadio – TEC, Costa Rica, rrimolo@tec.ac.cr

Program Chairs:
Dr. Christos Strydis – Erasmus Medical Center, Netherlands
Dr. Alfredo Arnaud – Universidad Católica del Uruguay, Uruguay
Co-hosted events

**IberChip**: This workshop provides an annual forum to academic and industrial researchers from Iberoamerican countries in which to exchange experiences, share knowledge and establish relations to foster the development of activities related to the field of Microelectronics. Special emphasis is put in the improvement of education and training, and in the promotion of joint cooperative projects.

**Ph.D. Research in Microelectronics Conference (PRIME)**: In this forum, PhD students and post-docs with less than one-year post-Ph.D. experience can present their research results and network with experts from industry, academia and research.

**Latin American Electron Devices Conference (LAEDC)**: This is a conference cosponsored by the IEEE Electron Devices Society. Its main goal is to bring together specialists from all Electron Device related fields. Since 2019 is co-located with LASCAS.
The city

San José, Escazú

Escazú is an upscale neighborhood of San José, the capital of Costa Rica. Escazú offers a great variety of entertaining and restoration options, such as Multiplaza, the biggest mall in Central America, with more than 350 stores, and Avenida Escazú, a posh commercial plaza with dozens of trendy stores, pubs and restaurants. But for those interested in a more local flavor, Escazú and the near town of Santa Ana also host a wide range of restaurants with Costa Rican traditional food, souvenir shops and architectural must see in their historical downtowns.

The venue

Holiday Inn Hotel, Escazú

Located in Plaza Tempo, Escazú, this five-star hotel is placed close to the headquarters of almost 200 high-tech international companies established in Costa Rica, at a 30-minute drive from the Juan Santamaria international airport (SJO), and right on highway 27, leading to the major beaches on Costa Rica’s Pacific coast.

LASCAS 2020 will be held in the hotel’s Vento conference rooms: a 180-seats main conference room, and three extra 50-seats rooms for parallel sessions. Breakfasts are included for those staying in the hotel.
Activities

**Track Sessions**: peer-reviewed selected papers are presented on parallel sessions organized by topics. These presentations offer a chance for researchers and professionals to expose their results to the community, and receiving feedback from specialists on similar fields of expertise. Sponsors get a predefined seat access to these tracks, including the covering of the fees for those of their employees presenting a peer-reviewed selected paper.

**Poster Sessions**: papers not chosen for a track session, but that are deemed worthy by the technical program chairs, are offered the chance to present and discuss their results with the attendants, on joint poster presentation sessions of 45 to 60 minutes.

**Special sessions**: are small tracks focused on relevant circuits and systems topics, where presenters are chosen among a peer-reviewed selection of invited papers. Sponsors are invited to set up their own particular special session on a topic of their interest. The program committee will offer support on logistics and organization of the sessions.

**Tutorials**: are an integral part of LASCAS, where chosen specialists share their expertise on a specific field of research and development with fellow researchers and professionals willing to update their skills on this particular topic. The tutorials can be attended apart from the symposium, on a cheaper rate. Several seats are also reserved for sponsors.

**Live demos**: offer and interactive and tangible experience, where participants are able to interact with, play with, and challenge new products and prototypes. Sponsors are invited to set up their own demo booths. The organizing committee will offer support on logistics for these demos.

**Industrial Forum**: this is a dedicated space of discussion, where local and foreign companies related to the circuits and systems field interact among them and with the academy, looking for synergies and potential collaborations aiming at spearheading the growth of the high tech industry in the region.

**Industrial Tours**: Industrial tours to plants and sites in Costa Rica can be offered to participants. They can only be organized by event major sponsors (diamond/platinum).
Exhibition spaces

The hotel's lobby area, just outside the Vento rooms, offers a great opportunity for the exhibition of services and products. Around 200 people are expected to attend the congress, ranging from researchers, entrepreneurs, and professionals from the electronic and biomedical industry.

There are eight available slots for exhibitions that can be accommodated in the areas shown here.
## Sponsor Categories

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