

Press Release

02.04.2019

This year IHP organises two international summer schools on current microelectronic topics

Young researchers are requested to apply now for the events in June respectively in August

Frankfurt (Oder). This year for the first time, IHP – Innovations for High Performance Microelectronics is hosting two summer schools dedicated to the requirements of microelectronic technologies, circuits and systems. From the 10th to the 12th of June the "Biannual European - Latin American Summer School" (BELAS) on the topic "Design, Test and Reliability" takes place at the institute. In August from 25th to 31st follows the joint summer school of IHP and the University of Rome Tor Vergata on "Photonic technologies for harsh environments and space applications", which go halves in Frankfurt (Oder) and Rome.

The BELAS summer school for design, test and reliability provides training in these three crucial areas of electronic circuits and systems. The summer school is this year supported by the European RESCUE project to advance scientific competencies of the PhD students. The summerschool is coordinated by Prof. Milos Krstic. "The event will focus on the exchange of experience between European and Latin American research communities where the topics such as space, automated driving and circuits for artificial intelligence play also significant role", says the IHP-scientist. The summer school is aimed at PhD-students and postdocs in computer sciences and electrical engineering. During a PhD forum, the participants present their research results. Applications can be sent to belas@ihp-microelectronics.com by April 30th.

The five-day summer school in August was launched on the initiative of the Joint Lab between IHP and TH Wildau and their partner university Rome Tor Vergata. The Joint Lab is researching on silicon-photonic devices and technologies, while at the University of Rome, a research group focuses on various applications. "Silicon photonics is a key enabling technology that enables high-speed data transfer and broadband communication systems and several other emerging applications. Space applications or use of silicon photonics in high energy physics increase demands on the stability and reliability of the components and modules.", describes Prof. Andreas Mai (IHP department head and professor at the TH Wildau) the background of the selected topic. Purpose of the "German-Italian Summer School" is to provide inside view to recent developments in the field of photonics technologies, circuits and systems. In addition, novel developments and challenges for high-performance technologies in harsh environments are presented and discussed. The topics are presented by experts from academia and industry. The target audience are master and PhD students and postdocs in the



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fields of physics, materials science, computer science or electrical engineering. Applications can be sent to summerschool@ihp-microelectronics.com by April 30th.

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Summer School 2019

„Photonic technologies for harsh environments and space applications“

from August 25th to August 31st 2019 in Frankfurt (Oder) and Rome

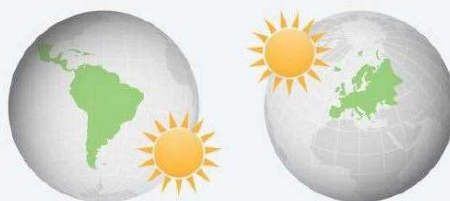


Biannual European - Latin American Summer School on Design, Test and Reliability

BELAS is organized twice a year during the summers in the Northern and Southern Hemispheres. Distinguished speakers from Latin America and Europe will share their knowledge with PhD students, engineers and researchers. Participants are invited to present their research at the PhD Forum.

BELAS

In Frankfurt (Oder)
from 10th to 12th of June,
2019



Tallinn 2013 • Fortaleza 2014 • Frankfurt-Oder 2014 • Guadalajara 2015 • Turin 2016 • Rotterdam 2017 • Sao Paulo 2018 • Tallinn 2018 • Frankfurt-Oder 2019

For the first time IHP organises two summer schools on current microelectronic topics. In June the European-Latin American summer school takes place and in August the German-Italian summer school. © IHP 2019

Further information:

German-Italian summer school: <https://www.ihp-microelectronics.com/en/jobs-career/students/summer-school-microelectronics/welcome.html>

BELAS summer school: <https://www.ihp-microelectronics.com/en/jobs-career/students/summer-school-belas/welcome.html>

Joint Lab: <https://www.th-wildau.de/forschung-transfer/joint-lab-ihp-th-wildau/>



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University of Rome Tor Vergata Materials Sciences:

<http://scienzadeimateriali.uniroma2.it/>

Rescue project: <http://rescue-etn.eu/>

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About IHP:

IHP is an institute of the Leibniz Association and conducts research and development of silicon-based systems and ultrahigh frequency circuits and technologies including new materials. It develops innovative solutions for application areas such as wireless and broadband communication, security, medical technology, industry 4.0, automotive industry, and aerospace. IHP employs approximately 300 people. It operates a pilot line for technological developments and the preparation of high-speed circuits with 0.13/0.25 μm BiCMOS technologies, located in a 1000 m² class 1 cleanroom.

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