



SIE₂₀₁₇

PHD SCHOOL OF THE SOCIETÀ ITALIANA DI ELETTRONICA

SIE 2017 PhD School

Practical Aspects of Electronic Components and Systems



The PhD School of SIE (“Società Italiana di Elettronica” – “Italian Electronics Society”) is a well-awaited event linked to the SIE Annual Meeting, which is announced for the 49th year.

This year the School aims at focusing several practical aspects of modern electronics, including components and systems. During the eleven lessons of the School, students will head out on a journey to the insights of the multifaceted aspects of electronics with practical understanding of physical systems. The topics of this “journey” include power electronics, nanoelectronics and MEMS, radiofrequency, automotive electronics, optoelectronics and solar cells, bioelectronics, space electronics, electronic equipment.

The lecturers are among the most expert researchers in their field, assuming leadership roles in their careers. The School will be enriched by some interactive sessions where the lecturers will show several experimental measurements and applications. Each lesson will be followed by a questions and answers session including a five-minute self-evaluation test.

The School will be held in Palermo, Italy, June 19-21 2017. The venue is the wonderful Palermo Botanical Garden, one of the most important in Europe. The official language is English.



LECTURES

Optical MEMS for Mobile Phones	Sabina Merlo University of Pavia
Resistive Memory: Switching Mechanisms, Models, and Applications in Computing	Daniele Ielmini Milan Polytechnic University
Automotive Radar Applications	Angelo Scuderi STMicroelectronics, Catania
Third Generation Photovoltaics: from Organic Cells to Perovskites	Aldo Di Carlo University of Rome Tor Vergata
Flexible Piezoelectric MEMS for Sensing, Actuation and Energy Harvesting	Massimo De Vittorio University of Salento and CBN-IIT
Microelectronic Detectors for Molecular Diagnostics	Cristina Ressa Optol Microelectronics, Trento
Wide Band Gap Semiconductor Devices in Power Electronics	Giovanni Busatto University of Cassino
Electronics around the Earth: New Challenges for Old Methodologies	Franco Giannini University of Rome Tor Vergata
GaN-based Optoelectronics: from Material Properties to High Efficiency LEDs and Lasers	Matteo Meneghini University of Padua
Fundamental of Simulations and Characterizations of Electronic Devices	Giovanni D'Amore and Riccardo Giacometti Keysight Technologies, Amsterdam
Modern Methods of Absolute and Residual Phase Noise Tests on CW and Pulsed Signals	Alessandro Titta Rhode & Schwartz Italy, Rome

PhD students and recent graduated are warmly invited to participate to this unique experience. Young researchers, doctors, and company's R&D staff can also participate. Please visit the annual meeting website for submissions and updated information at:

www.unipa.it/sie2017

We look forward to seeing you in the beautiful Palermo!

Dr. **Mauro Mosca** Dr. **Roberto Macaluso**
PhD School Chairs

CONTACTS

For info regarding Submission, Registration, Sponsorship and Accommodation:

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