

PhD School **Electronics for Health**

SIE 2024 | Genova, 24-26 Giugno 2024

Host: **Prof. O. Aiello**, University of Genoa

Monday 24th June		
08:00 08:50	<i>Registration</i>	
	Speaker	Title
08:50 09:00	Prof. Maurizio Valle University of Genoa	Institutional greetings
09:00 10:15	Prof. Stefania Campopiano University of Naples “Parthenope”	Fiber optics for healthcare sensing
<i>Coffee Break</i>		
10:35 11:50	Prof. Piero Tortoli University of Florence	Electronics for medical echographic systems
11:50 12:50	Ing. Marco Masini Analog Device	Ultra low quiescent PMIC for wearable-healthcare applications
<i>Lunch</i>		
14:10 15:25	Prof. Andrea De Marcellis Università dell’Aquila	Optical Wireless Communication Systems for Biomedical Implants: Basics and Advances of Biotelemetry
<i>Coffee Break</i>		
15:45 17:00	Dr. Alessandro Zompanti Campus Bio-Medico University Hospital of Rome	Electronic Interfaces for Biomedical Applications

Tuesday 25th June		
	Speaker	Title
08:45 10:00	Dr. Chiara Bartolozzi Italian Institute of Technology	Neuromorphic Technology for Robotics and Healthcare, from Circuits to Applications
<i>Coffee Break</i>		
10:20 11:20	Ing. Francesco Borgioli STMicroelectronics	MEMS Sensor featured with a Potentiostat for Biosensing
11:20 12:35	Prof. Alfio D. Grasso University of Catania	Ultrasonic energy harvesting and communication for implanted medical devices
<i>Lunch</i>		
13:45 14:45	Ing. Marco Bianchessi STMicroelectronics	Microelectronics in nucleic acid sensors (RNA, DNA). Past, present and future prospects
14:45 16:00	Prof. Simone Benatti University of Modena and Reggio Emilia	Connecting the humans, HMIs for wearable medical electronics

<i>Coffee Break</i>		
16:15 17:30	Prof. Massimo Barbaro University of Cagliari	Neural Stimulation Devices for Implantable and Wearable Applications
<i>Free time till 19:45</i>		
<i>Social Dinner</i>		

Wednesday 26th June		
	Speaker	Title
08:30 09:45	Dr. Emanuele Cardillo University of Messina	Biomedical Applications of Microwave and Millimeter-Wave Radars
09:45 10:45	Ing. Pierluigi Gardella NXP-Semiconductor	Accelerate Digital Healthcare through Edge AI
<i>Coffee Break</i>		
11:05 12:05	Ing. Samuele Fusetto Inventvm	A power efficient device, tailored for MEMS-speaker based hearing aids
12:05 13:05	Ing. Emanuele Depaoli Synopsis	How high speed communications are playing a key role in modern medical analysis
<i>Final Lunch</i>		