



TRIESTE SIE-2021

Electronics:  
the science pervading  
our daily life



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UNIVERSITÀ  
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DI TRIESTE



Politecnico  
di Torino  
Dipartimento  
di Elettronica  
e Telecomunicazioni



The SIE-2021 PhD School  
will be hosted at the  
University of Trieste  
Bldg. C1 - Tutankhamon - Room F  
Via Valerio 6/4, 34127, Trieste  
July 5 – 7, 2021

Contacts

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**SIE-2021 TRIESTE**

ASSOCIAZIONE SOCIETÀ ITALIANA DI  
ELETTRONICA

PhD School on

**ELECTRONICS FOR IOT**



## Monday, July 5

08:00-09:00	<b>Registration</b>
09:00-09:20	<b>Opening address</b>
09:20-10:40	<b>IoT telecommunications overview and emerging satellite solutions</b> <i>Ermanno Pietrosevoli</i>
10:40-11:00	<b>COFFEE BREAK</b>
11:00-12:40	<b>Digital computing platforms for near-sensor processing at the extreme edge of the IoT</b> <i>Davide Rossi</i>
12:40-14:00	<b>LUNCH</b>
14:00-15:40	<b>Compressed sensing for IoT: theory, architectures and applications</b> <i>Gianluca Setti</i>
15:40-16:00	<b>COFFEE BREAK</b>
16:00-17:00	<b>The logistics of ideas: a technology based approach to strategic IP asset management</b> <i>Roberto Castagno</i>
17:00-18:00	<b>IoT product life cycle: market analysis and product requirements; feasibility and execution; technical support</b> <i>curated by Telit</i>

## Tuesday, July 6

09:20-10:40	<b>5G-6G and Internet of Things: an overview</b> <i>Fulvio Babich</i>
10:40-11:00	<b>COFFEE BREAK</b>
11:00-12:40	<b>Approximate computing in IoT systems</b> <i>Maurizio Martina</i>
12:40-14:00	<b>LUNCH</b>
14:00-15:40	<b>Low power techniques for IoT &amp; Intelligent Distributed Systems</b> <i>Massimo Ruo Roch</i>
15:40-16:00	<b>COFFEE BREAK</b>
16:00-17:00	<b>Optical fiber sensing and smart structures</b> <i>Daniele Costantini</i>
17:00-18:00	<b>IoT product life cycle: the role of operations from design to customer</b> <i>curated by u-blox</i>

20:00

SCHOOL DINNER

## Wednesday, July 7

09:00-10:40	<b>Bio-inspired electronic systems for biomedics and agrifood</b> <i>Danilo Demarchi</i>
10:40-11:00	<b>COFFEE BREAK</b>
11:00-12:10	<b>Low power wide area networks in unlicensed spectrum</b> <i>Lorenzo Vangelista</i>
12:10-13:00	<b>IoT and cybersecurity issues: a real-world case in building automation</b> <i>curated by DAVE Embedded Systems</i>