



# Nanoscience and Nanotechnology

## Tuesday, 15 October 2019

### Opening Lecture - Aula Thouschek (09:40 - 11:00)

time	[id] title	presenter
09:40	[40] The impact of the European defence fund on the European and National technonological research	RICCARDI, Luisa
10:20	[30] Feynman diagrams in the new era of super-computers. Is the gap between theory and computation any smaller?	Prof. MARINI , Andrea

### Opening Lecture - Aula Thouschek (14:40 - 16:00)

time	[id] title	presenter
14:40	[38] Time-Dependent Density Functional Methods for Real Scale Systems	SINDONA, Antonio
15:20	[39] Giant Effective charges and Piezoelectricity in Gapped Graphene	MAURI, Francesco

# Wednesday, 16 October 2019

## Opening Lecture - Aula Thouschek (09:40 - 11:00)

time	[id] title	presenter
09:40	[15] Multipurpose sensors and lab-on-chip for medical diagnostics	Prof. MARUCCIO, Giuseppe
10:20	[16] Optical Nanospectroscopy for Tissue Imaging and Early Cancer Diagnostics	Prof. CRICENTI, Antonio

## Opening Lecture - Aula Thouschek (14:40 - 16:00)

time	[id] title	presenter
14:40	[21] In vitro platforms for mechanobiological studies	RAINER, Alberto
15:20	[43] Screen-printed electrodes for biosensing: characteristics and applications	Prof. MICHELI, Laura

# Thursday, 17 October 2019

## **Opening Lecture - Aula Thouschek (09:40 - 10:20)**

time	[id] title	presenter
09:40	[1] Polysaccharide nanohydrogels: a smart tool for drug delivery	Prof. MATRICARDI, Pietro

## **Opening Lecture - Aula Thouschek (14:40 - 16:00)**

time	[id] title	presenter
14:40	[19] Recent findings in the development of super-nano-antimicrobials: synergistic antimicrobial nanomaterials with enhanced functionality	DITARANTO, Nicoletta
15:20	[9] New avenues on target characterization and nanotools design from advancements in cryo-electron microscopy	Prof. VALLONE, Beatrice

# Friday, 18 October 2019

## Opening Lecture - Aula Thouschek (09:40 - 11:00)

time	[id] title	presenter
09:40	[37] Reflectance Anisotropy spettroscopy of GaAsBi(001) alloys	GOLETTI, Claudio
10:20	[62] Multifunctional properties of nanocomposites at very high content of Graphene Nanoplatelets	Prof. GIORDANO, Michele