



# Nanoscience and Nanotechnology

## Tuesday, 18 December 2018

### Synthesis and Characterization of nanomaterials - Aula Salvini (10:45 - 13:15)

time	[id] title	presenter
10:45	[9] Synthesis and characterization of new hybrid organic-inorganic materials by grafting silanes onto clay supports	MELOUKI, Azzedine
11:15	[10] CVD graphene/Ni interface evolution in acidic media	Dr BUSSETTI, Gianlorenzo
11:45	[11] Influence of the boron impurities on the physical-chemical properties and electronic structure of boron-carbon nanotubes	Dr BOROZNIN, Sergei
12:15	[12] Sensor properties of carbon nanotubes	Prof. ZAPOROTSKOVA, Irina
12:45	[77] Nanostructured ZnO/TiO <sub>2</sub> Films as Efficient Corrosion Protection of SS 304	BOUKERCHE, Said

# Wednesday, 19 December 2018

## **Synthesis and Characterization of nanomaterials - Aula Salvini (10:45 - 13:15)**

-Conveners: Pietro Tagliatesta

time	[id] title	presenter
10:45	[29] Self-organized nanostructures by ion induced dewetting	REPETTO, Luca
11:10	[30] Optical Conductivity of Two-Dimensional Silicon	LUPI, Stefano
11:35	[80] Sound and Light in 3D Graphene Aerogels	DE NICOLA, Francesco
12:00	[32] Graphene/silicon interfaces via electrochemical reduction in distinct environments	ZANONI, Robertino
12:25	[33] Surface characterization of Pt-free catalysts: synergistic effects of active sites' nature and hydrophilicity on the oxygen reduction reaction activity	Dr DITARANTO, Nicoletta
12:50	[34] Characterization of composite materials based on Biochar	GIORCELLI, Mauro

## **Synthesis and Characterization of nanomaterials - Aula Salvini (16:10 - 17:00)**

time	[id] title	presenter
16:10	[40] Characterization of the dispersion of carbon nanotubes in nanocomposites by means of a non-destructive evaluation technique	PANTANO, Antonio
16:35	[41] Depth-invariant Optical Phase Imaging with Sub-Nanometric Spectral Resolution	Dr DI DONATO, Andrea

## **Synthesis and Characterization of nanomaterials - Aula Salvini (17:25 - 19:05)**

time	[id] title	presenter
17:25	[42] Electromagnetic properties of 2D materials : The role of anisotropy	HENRARD, Luc
17:50	[43] Graphene Technology:synthesis, characterization and technological device integration	MORANDI, Vittorio
18:15	[79] Analysis of mechanical anisotropy of CNT Fibre	MONTINARO, Nicola
18:40	[18] Mechanical behavior of biopolymer composite coatings on plastic films by depth-sensing indentation – A nanoscale study	MORRONE, Davide