



# Nanoscience and Nanotechnology

## Tuesday, 27 September 2016

### **Electronic Devices and Fundamental properties - Aula Conversi (11:30 - 13:30)**

-Conveners: Yuri Shunin

time	[id] title	presenter
11:30	[20] Two Dimensional Nitrides: an ab-initio study	PRETE, Maria Stella
12:00	[21] Doping graphene with nitrogen, theory and experiment	Prof. LAMBIN, Philippe
12:30	[22] Carbon Gibbson Cells for electromagnetic applications	Dr KUZHIR, Polina
13:00	[43] Performance Analysis and robust design of a graphene-based device for shielding application	LAMBERTI, Patrizia

### **Electronic Devices and Fundamental properties - Aula Conversi (14:30 - 16:15)**

time	[id] title	presenter
14:30	[69] Plasmon properties and hybridization effects in Silicene	Dr VACACELA, Cristian
15:00	[70] Fundamental properties of Transition Metal dichalcogenides : a new class of 2D materials for opto-electronic applications	Dr PALUMMO, Maurizia
15:30	[71] Plasmon Modes of Graphene Nanoribbons with Periodic Planar Arrangements	SINDONA, Antonio

# Thursday, 29 September 2016

## Electronic Devices and Fundamental properties - Aula Conversi (11:30 - 13:30)

time	[id] title	presenter
11:30	[75] Designing graphene based nanofoams with nonlinear auxetic and anisotropic mechanical properties under tension or compression	PEDRIELLI, Andrea
12:00	[72] Terahertz Plasmonics and non Linear Optics based on Dirac electrons in Topological Insulators	LUPI, Stefano
12:45	[32] Tunable electron devices based on 2d materials	DRAGOMAN, Mircea

## Electronic Devices and Fundamental properties - Aula Conversi (14:30 - 16:30)

-Conveners: Mircea DRAGOMAN

time	[id] title	presenter
14:30	[61] Carbon-based devices with negative coefficient of the resistance	MAFFUCCI, Antonio
15:00	[60] Opening bandgap in graphene by nanopatterning	Dr DINESCU, Adrian
15:30	[39] Microwave Microscopy for Nano-Scale Characterization of Semiconductors and Dielectric Materials	MARCELLI, Romolo