Nanoscience and Nanotechnology

Tuesday, 18 December 2018

Fundamental properties - Aula Touschek (10:45 - 13:15)

time	[id] title	presenter
10:45	[1] High performance computing to design new materials for energy applications: the a-Si:H/c-Si interface for PV technology	CELINO, Massimo
11:15	[2] Non-equilibrium Green’s functions approach to radiation-induced electron dynamics in biological molecules	Dr PERFETTO, Enrico
11:45	[3] Graphene on SiO2 under ultrahigh pressure	PISARRA, Michele
12:15	[4] Electromagnetic response of graphene nanoribbons in planar array conguration: a time-dependent density functional approach	SINDONA, Antonio
12:45	[6] Correlation driven charge separation in donor-acceptor systems using NEGF	Dr STEFANUCCI, Gianluca

Thursday, 20 December 2018

Fundamental properties - Aula Salvini (10:45 - 13:15)

time	[id] title	presenter
10:45	[51] Adiabatic quantum computation in a dissipative environment	Dr LUCIGNANO, Procolo
11:10	[52] Plasmonic Fractal Antennas and Scatterers	JOFRE, Luis
11:35	[53] Helical metals and insulators in interacting Dirac matter	ROSTAMI, Habib
12:00	[54] New bilayer graphene-like nanostructures with nanoholes: modelling, experiments and applications	CHERNOZATONSKII, Leonid
12:25	[66] From boron quasi-planar clusters to boron nanosheets	CHKHARTISHVILI, Levan
12:50	[31] Conducting luminescent materials based on polymer-graphene composites	KUKHTA, Alexander