



CCCN

CRETE CENTER FOR
QUANTUM COMPLEXITY
AND NANOTECHNOLOGY

POST DOC DAY PROGRAM

Tuesday 11th of February 2014

Time	Topic	Speaker
9.00 – 9.15	Coffee	
9.15 – 9.30	Welcoming Introduction & CCQCN Status	<i>Prof. G. Tsironis</i> CCQCN Scientific Responsible
9.30 – 10.00	Black Holes and Gauge Theories from a new class of Hydrodynamics	<i>Dr. V. Niarchos</i>
10.00 – 10.30	Femtosecond switching of magnetism via strongly correlated spin-charge quantum excitations	<i>Dr. L. Mouchliadis</i>
10.30 – 11.00	Exchange Interactions in Radical-Pair Molecules	<i>Dr. D. Psiachos</i>
11.00-11.30	Coffee Break	
11.30-12.00	Metal Oxide Nanoparticles with Graphene for Inkjet Printing Technology	<i>Dr. V. Binas</i>
12.00 – 12.30	Discrete breathers in two dimensional materials; graphene and boron nitride	<i>Dr. A. Fraile</i>
12.30– 13.30	Surface plasmon-polaritons: loss and gain	<i>Dr. E.P. Fytrakis</i> Athens Information Technology (AIT)
13.30 – 15.30	Lunch Break	
15.30-16.00	Ferroelectric ground state and magnetoelectric coupling in underdoped 214 cuprates	<i>Dr. Z. Viskadourakis</i>
16.00-16.30	Rf SQUID Metamaterials in a Honeycomb geometry	<i>Dr. I. Margaritis</i>
16.30-17.00	Low-Dimensional Quantum Spin System	<i>Dr. J. Herbrych</i>
17.00-17:15	Closing	

