

International Scientific Spring – 2015 (ISS-2015), 16 - 20 March, 2015

Condensed Matter and Nanoscience

0930-1015	1015-1100	1100-1130	1130-1215	1215-1300	1300-1400	1400 - 1730		
Monday 16, March 2016								
Welcome by ISS Directors & Overview of NCP	Pervez Hoodbhoy	Tea	Alessandro Baraldi	Kyunghwan Oh	Lunch	1400-1530 Waqar Ahmad Waheed S Khan K. Nadeem	1530-1600 Tea	1600 -1730 Shahid Sattar Ghulam Mustafa M. Fakhr-e-Alam Visit to Labs (only foreign faculty)
Tuesday 17, March 2016								
Fayyazuddin	Shinichi Watanabe	Tea	Ilia Gogoladze	Pavel Andreev	Lunch	1400-1530 Gul Rehman, Muhammad Sohail, Shahzad Abubakar,	1530-1600 Tea	1600 -1730 Gulfam Nasir Ateeq ur Rehman Khizra Abbas
Wednesday 18, March 2015								
Naureen Ghafoor	James Joseph Niemela	Tea	Mehrdad Atabak	Dalaver H. Anjum	Lunch	1400-1530 Saqlain A Shah Safia Anjum Shabir Ahmad Mian	1530-1600 Tea	1600 -1730 Poster Session + / Interaction with Media
Thursday 19, March 2015								
Aslam Baig & S. K. Hasnain	Md. Feroz Alam Khan (30 min.)	Tea (20 min.)	Abdel Nasser Mahmoud Tawfik Ali	Activity Specific Sessions (Alessandro Baraldi)	Lunch	1400-1530 Noureen-2 Altaf Karim Nazar Hussain	1530-1600 Tea	1600 -1730 Saif Ullah Awan Islam Uddin Kausar Rajjar (followed by Video Talk)*
Friday 20, March 2015								
Mohsin Siddiq Ashfaq Ahmad Sara Qaisar	Tea (20 min.)	H. Saleem (30 min.)	Activity Specific Sessions (Mehrdad Atabak)	1300-1430 Lunch & Prayer	1430-1600 Activity Specific Sessions (Arshad S. Bhatti, Farooq Zafar-1 & Dilawar -2)		Concluding Session & Tea	

Titles of the talks in parallel sessions (CM and NS)

Monday 16-3-15

14:00-15:30

1. Waqqar Ahmed
COMSATS Islamabad
Large Scale Confinement Induced Alignment of Au Nanorods
2. Waheed S. Khan
National Institute for Biotechnology and Genetic Engineering (NIBGE)
Synergetic Effect Exhibited by Hybrid Nanocomposite ($WO_3/g-C_3N_4$) Towards Enhanced Photodegradation of Rhodamine B
3. Kashif Nadeem
International Islamic University, H-10, Islamabad
Torque magnetometry and dc magnetization of $CaCo_2As_2$

16:00-17:30

1. Shahid Sattar (King Abdullah University of Science and Technology (KAUST))
First-principles study of silicene based van der Waals heterostructures
2. Ghulam Mustafa
Department of Physics, Bahauddin Zakariya University Multan 60800, Pakistan
Influence of the divalent and trivalent cations on the Structural and Magnetic Properties of the $CoCr_{0.04}Tb_x Fe_{1.96-x}O_4$ ferrite prepared by sol-gel method
3. Muhamamd Fakhar-e-Alam
GC University, Faisalabad

PHOTODYNAMIC EFFECT OF NiO IN HepG2 CELLULAR MODEL

Tuesday 17-03-15

14:00-15:30

1. Gul Rehman (Quaid-I-Azam University, Islamabad)
Nitrogen-induced ferromagnetism in BaO
2. Muhammad Sohail (National Center of Excellence in Physical Chemistry, University of Peshawar)
Nano composites of polymer-ceramics, Synthesis and Characterization
3. Shahzad Abubakar (Department of chemistry Federal University of Sao Carlos)
A facile method to synthesized Ripped Nano Rice grain shape N doped TiO₂ nanoparticles for photocatalytic degradation of pollutants under UV and visible light irradiation

16:00-17:30

1. Gulfam Nasar (The Islamia University of Bahawalpur)
Electrical, mechanical and structural behavior evaluation of poly vinyl alcohol /copper nanocomposites
2. Ateeq-ur-Rehman (University of Agriculture, Faisalabad)
Electronic and Structural Properties of Organic Semiconductor
3. Khizra Abbas (GC University Lahore Pakistan)
Structural and Optical Properties of Yttrium Oxide (Y₂O₃) Thin Film Deposited By Resistive Heat Unit

Wednesday 18-03-15

14:00-15:30

1. Saqlain Abbas Shah (University of Washington, Seattle WA, USA (FC College University, Lahore))
Superparamagnetic Nanoparticle tracers for Magnetic Particle Imaging (MPI)
2. Safia Anjum (Lahore College for Women University Lahore)
Effect of post annealing temperature on antimony substituted cobalt ferrites thin films Investigation of Magnetic Anisotropy in Thin Films of Cobalt Chromium ($\text{CoCr}_{0.5}\text{Fe}_{1.5}\text{O}_4$) Spinel Ferrite
3. Shabir Ahmed (Islamia College University Peshawar KPK)
The adhesion mechanism of Bioadhesive materials in marine environment

Wednesday 16:00-1730

Poster Session

Thursday 19-03-15

12:15-13:00

Alessandro Baraldi; *Surface Structural Investigations using Photoelectron Spectroscopy*

14:00-15:30

1. Noureen Ghafoor (Nanostructured materials, Department of Physics, Chemistry, and Biology (IFM), LinköpingUniversity,SE-581 83 Linköping, Sweden).
Complexity in Growth and characterization of self-organized structures in nitride nanocomposites
2. Altaf Karim (COMSATS IIT Islamabad)
Directed assembly of nanodiamond Nitrogen-vacancy centers on a chemically modified patterned surface

3. Nazar Hussain (Govt. Boys Degree College Pano Akil Sukkur)

Synthesis and Characterizations of Highly Efficient Nickel Nanocatalysts and Their Use in Degradation of Organic Dyes

16:00-17:30

1. Saif Ullah Awan (Department of Physics, COMSATS Institute of Information Technology, Islamabad)
Carrier Concentration Dependence of Ferroelectric Transition in Multiferroic Li doped and Li-Co co-doped ZnO Nanoparticles
2. Syed Islamuddin Shah (PAEC)
DFT+KMC study of selective oxidation of NH₃ on rutile RuO₂(110) at ambient pressures
3. Kausar Rajjar (National Centre of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan)
Degradation of 4-Chlorophenol using ZnO NanoPhotocatalyst

Friday 20-03-15

12:00-13:00

Mehrdad Atabak (Omicron Nanotechnology, Germany)

Atomically resolved scanning probe microscopy

14:30-16:00

1. Dilawar H. Anjum (King Abdullah University of Science and Technology (KAUST), Thuwal, Saudi Arabia)
Transmission Electron Microscopy of Micro-Nano Materials
2. Arshad Saleem Bhatti (CIIT, Islamabad) (TBA)
3. Farooq Zafar (NESCOM) (TBA)