

PROGRAMME SCHEDULE

13 December 2017

18:00 - 21:00

Registration
LHC Ground Floor

14 December 2017

8:00 - 9:00

Registration
TRC Auditorium Lounge

Inauguration
TRC Auditorium

9:10 - 9:20

Lamp lighting by Director, Deans, DCS Chairman, Coordinators,
Representatives from British Council & Royal Society of Chemistry,
Representative from UK High Commission

9:20 - 9:25

Welcome address by the Coordinator

9:25 - 9:30

Welcome address by DCS Chairman

9:30 - 9:40

Presentation by the British Council: Study and Research Opportunities in UK

9:40 - 9:55

Inaugural speech by the Director, IISER Kolkata

9:55

Director declares the Workshop open

Technical Session – 01

TRC Auditorium

Functional Nanomaterials

Chair: Professor Hirendra Nath Ghosh (INST Mohali)

10:00 - 10:20

IL-01

Title: Functional Nanomaterials for Energy and Environment.
Speaker: Aruna Ivaturi, University of Strathclyde.

10:20 - 10:40

IL-02

Title: Two-Photon Photochromic Materials for Optical Data Storage.
Speaker: Adam Woodward, University of Manchester.

10:40 - 11:00

IL-03

Title: Multimodal Magnetic and Luminescent Nanomaterials.
Speaker: Simon McAdams, University of Manchester.

11:00 – 11:30

Tea Break

TRC Auditorium Lounge

Technical Session – 02

TRC Auditorium

Exciton-Plasmon

Chairs: Professor Dipankar Chattopadhyay (Calcutta University) &
Dr. Prakriti Ranjan Bangal (IICT Hyderabad)

11:30 – 11:50

IL-04

Title: Controlled Tuning of Gold Nanorod's Plasmon Through Post-Synthesis Growth and Etching.
Speaker: Saumyakanti Khatua, IIT Gandhinagar.

11:50 – 12:10

IL-05

Title: Photophysics and Bioimaging Study in Polymeric Nanoparticles System.
Speaker: Soumitra Satapathi, IIT Roorkee.

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12:10 – 12:30	IL-06 Title: Fabrication of Ultra-High Density 3D Nanostructures Using Block Copolymer and Their Applications in Energy Harvesting and Self-Cleaning. Speaker: Atikur Rahman, IISER Pune.
12:30 – 12:50	IL-07 Title: Unravelling the Role of D/A Interface in Excitonic Solar Cells by Ultrafast Transient Absorption Spectroscopy. Speaker: Raavi Sai Santosh Kumar, IIT Hyderabad.
12:50 – 14:30	Lunch Break LHC Atrium Area
Technical Session – 03 TRC Auditorium <i>Light Matter Interaction</i> Chairs: Professor George Thomas (IISER TVM) & Dr. Subi George (JNCASR Bangalore)	
14:30 – 14:50	IL-08 Title: Optical Studies of I-III-VI₂ Nanocrystals. Speaker: Anshu Pandey, IISc Bangalore.
14:50 – 15:10	IL-09 Title: Strong Light-Matter Interactions in Molecular Materials. Speaker: Jino George, IISER Mohali.
15:10 – 15:30	IL-10 Title: Raman Scattering from Acoustic Phonons in Silicon Nanostructure. Speaker: Rajesh Kumar, IIT Indore.
15:30 – 15:50	IL-11 Title: Impedance Spectroscopy: A Tool to Understand Interface. Speaker: Monojit Bag, IIT Roorkee.
15:50 – 16:30	High Tea Break TRC Auditorium Lounge
Technical Session – 04 TRC Auditorium <i>Keynote Lecture 01 (Through Skype)</i> Chair: Dr. Louise Natrajan (University of Manchester)	
16:30 – 17:15	KL-01 Title: Boxing Clever, or Just Boxed in? Lanthanide Complexes for Imaging and Sensing. Speaker: Professor Steve Faulkner, University of Oxford.
19:00 – 21:00	Dinner LHC Atrium Area

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15 December 2017

Technical Session – 05

TRC Auditorium

Keynote Lecture 02

Chair: Professor Sourav Pal (IISER Kolkata)

9:30 – 10:15	<p>KL-02 Title: Photoluminescence and Carrier Dynamics of All-Inorganic Perovskite and Perovskite-Related Materials. Speaker: Professor Anunay Samanta, University of Hyderabad.</p>
10:15 – 10:40	<p><i>High Tea Break</i> TRC Auditorium Lounge</p>
<p>Technical Session – 06 TRC Auditorium Healthcare Chair: Dr. Mahesh Hariharan (IISER TVM)</p>	
10:40 – 11:00	<p>IL-12 Title: In Vitro & In Vivo Analysis of Bio-Degradable and Disintegrable Nanosystems for Cancer Theranostics. Speaker: Aravind K. Rengan, IIT Hyderabad.</p>
11:00 – 11:20	<p>IL-13 Title: Carbon Based Nanomaterials for Real Time Applications in Environmental and Healthcare Monitoring. Speaker: Vijayalakshmi Velusamy, Manchester Metropolitan University.</p>
11:20 – 11:40	<p><i>Tea Break</i> TRC Auditorium Lounge</p>
<p>Technical Session – 07 TRC Auditorium Bioimaging Chairs: Professor Parameswar K. Iyer (IIT Guwahati) & Professor Ranjit Biswas (SNBNCBS Kolkata)</p>	
11:40 – 12:00	<p>IL-14 Title: Water-Insoluble Dyes for White-Light Emission and Bio-Imaging Applications. Speaker: Apurba L. Koner, IISER Bhopal.</p>
12:00 – 12:20	<p>IL-15 Title: Self-Propagating Functional Peptide Nanomaterials. Speaker: Dibyendu Das, IISER Kolkata.</p>

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12:20 – 12:40	IL-16 Title: Nanofiber Formation from Pyridine and Benzophenone Hybrid Thermally Activated Delayed Fluorescence Emitter. Speaker: P. Rajamalli, University of St. Andrews.
12:40 – 13:00	IL-17 Title: Characterizing Molecular Diffusion Through Nanopores Using Nanoporous Anodic Alumina Waveguides. Speaker: Ana Sousa, University of Strathclyde.
13:00	Group Photo Research Complex Centre Garden
13:00 – 14:00	Lunch Break <i>LHC Atrium Area</i>
Technical Session – 08 TRC Auditorium 2D Materials Chairs: Professor Anindya Datta (IIT Bombay) & Dr. Reji Varghese (IISER TVM)	
14:00 – 14:20	IL-18 Title: Ultraviolet-Visible Analysis of 2D Material Dispersions. Speaker: Adam Perry, University of Manchester.
14:20 – 14:40	IL-19 Title: Light to Matter Interaction of Few Selected 2D Nanomaterials. Speaker: Kiran Shankar Hazra, INST Mohali.
14:40 – 15:00	IL-20 Title: Chemical Strategies to Make Low-Dimensional Misfit Layered Compounds. Speaker: Leela Srinivas Panchakarla, IIT Bombay.
Special Presentation Chair: Professor Sanjib Bagchi	
15:00 – 15:15	Presentation by the Royal Society of Chemistry
Conference Outing & Dinner	
16:00	LHC Front Gate Bus Leaves for Kolkata
18:00	Millennium Park Arrival near Cruise Ship
18:30 – 22:00	On Ganges Conference Banquet Dinner
22:30	Return Millennium Park Bus Leaves for IISER Kolkata Campus

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16 December 2017

9:00 -11:00	Poster Session TRC Auditorium Lounge Judges: Dr. Moloy Sarkar (NISER BBS), Dr. Aniruddha Paul (NIT Patna) & Dr. Ravi K. Kanaparthi (CU Kerala)
11:00 - 11:30	Tea Break TRC Auditorium Lounge
Technical Session – 09 TRC Auditorium Thermo-Electrical Properties Chairs: Professor Amitava Das (CSMCRI Bhavnagar) & Professor Nikhil Guchhait (Calcutta University)	
11:30 – 11:50	IL-21 Title: Low Thermal Conductive Materials for High Performance Thermoelectrics. Speaker: Kanishka Biswas, JNCASR.
11:50 – 12:10	IL-22 Title: Improving Electrical Properties of Epitaxial Lanthanide Oxides by Defect Passivation. Speaker: Ayan Roy Chaudhuri, IIT KGP.
12:10 – 12:30	IL-23 Title: Low Power OFET Based Sensors for IOT Applications. Speaker: Daniel J. Tate, University of Manchester.
12:30 – 12:50	IL-24 Title: Electrotronic Organic Solar Cell: A Route to Overcome Exciton Diffusion Length Limitation. Speaker: Supravat Karak, IIT Delhi.
12:50 -14:30	Lunch Break LHC Atrium Area
Technical Session – 10 TRC Auditorium Spectroscopy-Energy Chairs: Dr. Saptarshi Mukherjee (IISER Bhopal) & Dr. Pankaj Mandal (IISER Pune)	
14:30 – 14:50	IL-25 Title: Near-Infrared Emitting AgInS ₂ and Ag ₂ S Nanocrystals. Speaker: Angshuman Nag, IISER Pune.

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14:50 – 15:10	IL-26 Title: Role of Molecular Ligands on Orientation and Surface of Nanocrystals. Speaker: Pralay K. Santra, CNSMS Bangalore.
15:10 – 15:30	IL-27 Title: Conversion of Energy Using Light Harvesting Materials. Speaker: Amlan K. Pal, University of St. Andrews.
15:30 – 15:50	IL-28 Title: Ultra-Thin Coal-Layered Double Hydroxide@TiO₂ Heterojunction Nanocomposites for CO₂ Photocatalytic Reduction into Solar Fuels. Speaker: Santosh Kumar, Aston University.
15:50 – 16:30	High Tea Break <i>LHC Atrium area</i>
16:30 – 16:45	Prize Distribution for Poster presentation <i>TRC Auditorium Lounge</i> Chair: Professor Asoke P. Chattopadhyay (University of Kalyani)
16:45 – 17:00	Valedictory Session <i>TRC Auditorium</i>
17:00 – 17:30	Discussion Session <i>TRC Auditorium</i> <ul style="list-style-type: none"> ▶ Overview of Workshop ▶ Future pathways ▶ How could collaborations help? ▶ Feedback
19:00 – 21:00	Dinner <i>LHC Atrium area</i>
17 December 2017	
9:00 – 9:30	Departure <i>Visitors' Hostel</i>