

Technical Schedule

DST-SERB Winter karyashala on Luminescent Nanomaterials for Photonic
and Bio-photonic applications

17th - 23rd September 2021

INST, Mohali

Day 1, 17th September 2021 https://inst.webex.com/inst/j.php?MTID=m066cdc854d9728cc397cc2d33625aa57 Meeting number: 2515 324 4195 Password: xhF8KKiEk37	
10:00 - 10:10 AM	Welcome address by Prof. Amitava Patra , Director, INST
10:10 - 11:10 AM	Prof. Amitava Patra, INST, Mohali An over view on Luminescent Nanomaterials
11:10 - 12:10 PM	Dr. Chayan Kanti Nandi, IIT, Mandi A Roadmap to the Promising Future of Carbogenic Nano Dots
12:10 - 1:10 PM	Prof. H.N. Ghosh, INST, Mohali Hot Carrier Relaxation in Perovskite based Solar cell Materials: A Polaron Perspective

Day 2, 18th September 2021 https://inst.webex.com/inst/j.php?MTID=m62d2e2f1aacc18cc3c02bc34f236eb45 Meeting number: 2511 272 9480 Password: rnJck3sfN38	
10:00 - 11:00 AM	Dr. Raghmani Singh Ningathoujam, BARC, Mumbai Lanthanide ions doped semiconducting nanoparticles
11:00 - 12:00 PM	Dr. Bipin K. Gupta, CSIR-NPL, Delhi Indigenous Development of Strategic Luminescent Materials Designed Security Ink for Societal Benefits to make self-reliant India
12.00 - 1.00 PM	Dr. Prasenjit Kar, IIT, Roorkee Fluorescent Metal Hybrid Nano-Perovskite: Synthesis And Applications

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Day 3, 20th September 2021 https://inst.webex.com/inst/j.php?MTID=mbbface5121c620112340fee12568adc7 Meeting number: 2511 756 3122 Password: 9Ng32k929h2	
10:00 - 11.00 AM	<i>Dr. Angshuman Nag, IISER, Pune</i> <i>Pb-Free Metal Halide Perovskites</i>
11:00 - 12:00 PM	<i>Prof. Sameer Sapra, IIT, Delhi</i> <i>Transition Metal Dichalcogenides for optoelectronic and electrocatalytic applications</i>
12.00 - 1.00 PM	<i>Dr. Sonalika Vaidya, INST, Mohali</i> <i>Electron Microscopy of Nanomaterials</i>

Day 4, 21st September 2021 https://inst.webex.com/inst/j.php?MTID=m95c5e1d6033b4deb789b02085d776ec6 Meeting number: 2515 311 8015 Password: v9Si3NPrVi3	
10:00 - 11.00 AM	<i>Prof. Indrajit Roy, University of Delhi</i> <i>Nanomaterials for photoactivated therapies</i>
11:00 - 12:00 PM	<i>Dr. P.S. Vijayakumar, INST, Mohali</i> <i>Agriculture application of the optical nano-material</i>
12.00 - 1.00 PM	<i>Dr. Sanyasinaidu Boddu, INST, Mohali</i> <i>Lanthanide ions doped Bismuth based luminescent nanomaterials</i>

Day 5, 22nd September 2021 https://inst.webex.com/inst/j.php?MTID=m002deebf65b0204e4fb9318439498a99 Meeting number: 2512 810 8555 Password: gCeZMURM684	
10:00 - 11.00 AM	<i>Dr. S.N. Achary, BARC, Mumbai</i> <i>Diffraction method for characterization of materials</i>
11:00 - 12:00 PM	<i>Dr. Tapasi Sen, INST, Mohali</i> <i>Fluorescence Spectroscopy: From Ensemble to Single-Molecule Approach</i>
12.00 - 1.00 PM	<i>Dr. Indranil Sarkar, INST, Mohali</i> <i>Application of X-ray methods for investigation of nanomaterials</i>

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Day 6, 23rd September 2021 https://inst.webex.com/inst/j.php?MTID=m2674f59c07112023aecf8490c47292e6 Meeting number: 2513 662 2107 Password: ACcXYRAr383	
10:00 - 11.00 AM	<i>Dr. Pushpal Ghosh, Dr. Harisingh Gour Vishwavidyalaya, Sagar</i> <i>Quantum Cutting Nanomaterials via Ionic Liquids</i>
11:00 - 12:00 PM	<i>Prof. Venkataramanan Mahalingam, IISER, Kolkata</i> <i>Lanthanide-doped Luminescent Colloidal Nanocrystals and their applications</i>
12.00 - 1.00 PM	Concluding Remarks