

EESTER 2020 ORAL Presentations

SL. No	Name & Affiliation	Title	Category	Presentation Number	Schedule
1	Bikash Patra National Institute of Science Education and Research, Bhubaneswar, India	Relevance of the Pauli kinetic energy density for semilocal functionals	Theory Development - Oral 1	OTD-1	Day 3 16 th Dec. 2:30 pm IST (15 minutes)
2	Dr. Igor Di Marco Asia Pacific Center for Theoretical Physics, South Korea.	Determining the Intra-Atomic Exchange Energy in Rare-Earth Adatoms	Theory Development - Oral 2	OTD-2	Day 3 16 th Dec. 2:45 pm (15 minutes)
3	Aditi Mandal Birla Institute of Technology and Science, Pilani, India	Brief description of Plasmon excitation within multiple scattering approach in Photoemission energy loss spectroscopy	Theory Development - Oral 3	OTD-3	Day 3 16 th Dec. 3:00 pm IST (15 minutes)
4	Dr. Subhayan Roychoudhury Lawrence Berkeley National Laboratory, Berkley, USA	Neutral excitation density functional theory: a variational first-principles method for simulating excitations in molecules	Theory Development - Oral 4	OTD-4	Day 3 16 th Dec. 3:15 pm IST (15 minutes)
5	Santanu Pathak Variable Energy Cyclotron Centre, Kolkata, India	Precision measurement and electronic structure calculations for understanding the microscopic and macroscopic properties of HfO ₂	Theory Application -Oral 1	OTA-1	Day 3 16 th Dec. 3:30 pm IST (15 minutes)
6	Namrata Jaykhedkar Faculty of Natural Sciences, Comenius University, Slovakia	Theoretical study of temperature dependent behaviour of crystal phases in SrZrS ₃	Theory Application -Oral 2	OTA-2	Day 3 16 th Dec. 3:45 pm IST (15 minutes)
7	Shashi Bhusan Mishra Indian Institute of Technology Madras, Chennai, India	Formation of a suspended magnetic layer between graphene layers through fluorine intercalation	Theory Application -Oral 3	OTA-3	Day 3 16 th Dec. 4:00 pm IST (15 minutes)
8	Dr. Tisita Das Harish-Chandra Research Institute, Allahabad, India	Enhanced Hydrogen Evolution Activity at the Edges of MPSe ₃ (M=Mn, Fe) Tri-chalcogenide Layers	Theory Application -Oral 4	OTA-4	Day 3 16 th Dec. 4:15 pm IST (15 minutes)
9	Abhishek Maiti Indian Association for the cultivation of Science, Kolkata, India	Rashia Band Splitting in Methylammonium Lead Iodide: An Insight from Spin-Polarized Scanning Tunneling Spectroscopy	Experiment - Oral 1	OEX-1	Day 5 18 th Dec. 4:50 pm IST (15 minutes)

10	Sameer Kumar Mallik Institute of Physics, Bhubaneswar, India	Hysteresis study in salt-assisted CVD grown monolayer MoS ₂ field-effect transistor by pulsed I~V technique	Experiment - Oral 2	OEX-2	Day 5 18 th Dec. 5.05 pm IST (15 minutes)
11	Dr. Rajib Batabyal Center for Quantum Devices, Niels Bohr Institute, University of Copenhagen, Denmark	Topological Fermi-arcs and Weyl node connectivity in ferromagnetic Weyl semimetal Co ₃ Sn ₂ S ₂	Experiment - Oral 3	OEX-3	Day 5 18 th Dec. 5.20 pm IST (15 minutes)
12	Dr. Sofi Suhail Majid Institute of Physics, Academia Sincia, Taiwan	Unveiling the role of V-V dimerization on insulator-metal transition and optical transmittance of VO ₂ thin films	Experiment - Oral 4	OEX-4	Day 5 18 th Dec. 5.35 pm IST (15 minutes)