

YSC 2022

MRSI, Kolkata Chapter

Friday, December 16, 2022

Venue

**M. N. Saha Auditorium
Central Glass & Ceramic Research Institute, Kolkata**

PROGRAMME

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| 8:30-9:30 hrs | REGISTRATION |
| 9:30-10:15 hrs | Inauguration 9:30 hrs: Welcome address by Dr. Mrinal Pal, Chairman, YSC 2022, Kolkata Chapter 9:35 hrs: On the occasion: Prof. N. R. Bandyopadhyay, Chairman, MRSI, Kolkata Chapter 9:40 hrs: Address by Prof. D. Banerjee, IISc, Bangalore 9:55 hrs: Inaugural address by Dr. (Mrs.) Suman Kumari Mishra, Director, CSIR-CGCRI, Kolkata 10.10 hrs: Vote of Thanks: Dr. Jui Chakraborty, Convenor YSC 2022 and Secretary, MRSI, Kolkata Chapter |
| 10:15-10:30 hrs | HIGH TEA |
| 10:30 to 13.50 hrs | Technical Session I (Oral Presentation OP/01 to OP/10: 15 min for presentation and 5 min for discussion) |
| 10:30 hrs | OP/01: Payal Roy- Bioactive glass incorporated dressing matrix for rapid hemostatic action with antibacterial activity |
| 10:50 hrs | OP/02: Apurba Baral - Metal oxide semiconductors/carbon composites as promising candidates for clean energy generation and storage |
| 11:10 hrs | OP/03: Pulak Pal- Ion Transport and Relaxation in Polymer Electrolyte and Metal Halide Perovskite Systems for Energy Storage Devices |
| 11:30 hrs | OP/04: Sumit Kumar Dutta- Cs-Lattice Extension and Expansion for Inducing Secondary Growth in CsPbBr ₃ Perovskite Nanocrystals |
| 11:30 hrs onwards 12:00 hrs | Parallel Poster Presentation session (PP/01-PP/61) Interaction with Judges |
| 11:50 hrs | OP/05: Barnasree Chanda- Development of ultrafine eutectic high entropy alloys |
| 12:10 hrs | OP/06: Amarkumar Malge- Spectroscopic investigations of Dy ²⁺ O ³ doped borotellurite glasses |
| 12:30 hrs | OP/07: Biswajit Kundu- Spin-polarized manganese d-state in doped semiconductor: Insight from scanning tunneling spectroscopy |

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| 12:50 hrs | OP/08: Jaideep Adhikari- Mineralization of surface functionalised bacterial cellulose with bioglass/hydroxyapatite for bone tissue engineering |
| 13:10 hrs | OP/09: Abhisikta Barman- Giant electrocaloric effect in lead-free ferroelectric Ba _{0.85} Ca _{0.15} Ti _{0.9} Zr _{0.1} O ₃ thin film heterostructure |
| 13:30 hrs | OP/10: Souvik Bhattacharjee- Negative capacitance switching in size-modulated Fe ₃ O ₄ nanoparticles with spontaneous non-stoichiometry: resolving ubiquities and confronting its generalized origin in non-ferroelectric materials |
| 13:50-14:50 hrs | LUNCH |
| 14:50-16:30 hrs | Technical Session II (Oral Presentation OP/11 to OP/15: 15 min for presentation and 5 min for discussion) |
| 14:50 hrs | OP/11:Parijat Pallab Jana- Studies on the glass transition event and pressure-configuration interplay in Zr-base metallic glasses |
| 15:10 hrs | OP/12:Tanushri Das- Trace formaldehyde sensor based on Sn doped on bismuth ferrite nanoparticles for indoor air quality monitoring |
| 15:30 hrs | OP/13: Paromita Das- A novel binary oxide coated MWCNTs architecture with enhanced thermal oxidation property and validation of its reinforcement potentiality in spinel based ceramic composites |
| 15:50 hrs | OP/14: Susmita Paul- Ligand-free Cesium Antimony Chloride Perovskite Nanocrystals with Tunable Morphology |
| 16:10 hrs | OP/15: Sovandeb Sen- Room temperature VOC sensing properties of reduced graphene oxide (rGO) decorated NiO-SnO ₂ nanocomposite |
| 16:30-17:30 hrs | TEA BREAK |
| 17:30-18:00 hrs | Valedictory Session and Award Presentation |

NOTE:

Poster Presenters: All posters must be displayed at the designated place by 11:30 hrs. The interaction of the presenters with the judges will commence from 12:00 hrs. Please find the poster number on the poster board.

Please contact Registration Desk at the venue.