



InAdvanCS 2026

CV Raman Hall; 20th March-2026

Program Schedule



9:00-9:30 AM: Registration 📄

9:30-9:40 AM: Welcome Note by Prof. Jyotirmayee Dash, Chair-SCS

9:40-9:50 AM: Address by Prof. Kalobaran Maiti, Director, IACS

9:55-10:35 AM: Inaugural Lecture by Prof. K. N. Ganesh, Founder Director, IISER Pune;
Janus Peptide Nucleic Acids with Potential for Multiple Gene Silencing; Chair: Prof. Kalobaran Maiti

10:35-10:50 AM: High Tea ☕

10:55 AM-12:05 PM: **Session 1**, Chair: Prof. Pradyut Ghosh

Speaker	Title
Prof. N. D. Pradeep Singh, IIT Kharagpur	<i>Wavelength-Selective Monochromophoric Photoremovable Protecting Groups for Tuning Soft Matter Material Properties</i>
Mantu K. Sah, IACS	<i>Surface Phonon Effects in H₂ Reactive Scattering on Cu(111) at 925K</i>
Arpita Baidya, IACS	<i>Asymmetric Synthesis of Seven-membered Cyclic Ethers via Non-covalent NHC Catalysis</i>
Ambuz Basak, IACS	<i>Ambient-Temperature Cationic Polymerization of Ethyl Vinyl Sulfide: A Synthetic Platform for Advanced Sulfonium-Based PILs</i>

12:05 PM-13:00 PM: **Session 2**, Chair: Prof. Satrajit Adhikari

Prof. Joyanta Choudhury, IISER Bhopal	<i>Constructing Hydride-Transfer Catalysts toward CO₂ Recycling</i>
Arnab Roy, IACS	<i>Homogeneous Electrocatalytic Oxygen Reduction using Iron Porphyrins Containing Second Sphere Pyridine Residues</i>
Soumak Ghosh, IACS	<i>Protein Dynamics and Electrostatic Control in Copper(I) Transfer Between a Chaperone and Cu-ATPase Metal-Binding Domain</i>

13:00-14:10 PM: Lunch Break 🍽️

14:15-15:25 PM: **Session 3**, Chair: Prof. Tarun Kumar Mandal

Prof. Uttam Manna, IIT Guwahati	<i>Design of Materials for Functional Liquid Wettability</i>
Pratap Paul, IACS	<i>Palladium-Catalysed Carbonylation of Aryl Diazonium Salts: A Route to Bioconjugation-Ready Esters</i>
Suman Das, IACS	<i>Modulating dπ-pπ conjugation of bis ferrocene incorporated π extended porphyrins</i>
Shivam Pandey, IACS	<i>Turning Heat into Electricity: Driving High ZT Through Soft Phonon Engineering</i>

15:25-16:15 PM: **Session 4**, Chair: Prof. Parthasarathi Dastidar

Subham Mandal, IACS	<i>Chemo-selective C(sp³)-O reductive elimination competing with C(sp³)-N from Pd(IV)-intermediate in a carbopalladation initiated reaction: a detailed experimental and DFT studies</i>
Dr. Subhro Mandal, IACS	<i>Studies towards the Stereoselective Synthesis of Tetrahydrofuran Containing Antibacterial Natural Product Mucorinic acid B</i>
Pradipta Dey, IACS	<i>Effect of Protein on Photoisomerization of Bacteriophytochrome</i>
Subhajit Sarkar, IACS	<i>Hydrogen Bond Allosteric Map (HBAlloMap): Mapping Allosteric Signalling from Apo-State Hydrogen-Bond Fluctuation Correlations</i>

16:15-17:15 PM: **Session 5**, Poster Session

Chair: Prof. Nabanita Deb

17:20-18:06 PM: **Session 6**, Chair: Prof. Tapan Kanti Paine

Rahul Sutradhar, IACS	<i>Implicating the Role of Enhanced Oxy Attribute in Facilitating Exceptional C-H Activation by a [Co III,IV 2 (μ-O) 2] Diamond-Core Complex: A Theoretical Perspective</i>
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Sabyasachi Mahapatra, IACS	<i>Lewis Acid Promoted Iron Catalyzed Selective Oxygenation of Substrates: Is Supporting Ligand Necessary?</i>
Archisman Sinha, IACS	<i>Towards quantum state-selected NH_3^+ + NH_3 reaction</i>
Ritopravo Haldar, IACS	<i>Thiol-Assisted Stepwise Reduction of Nitrite to Nitric Oxide to Nitrous Oxide by a Cobalt(II)-ONO Compound Featuring the Intermediary of Highly Reducing Co(II)-thiolate Compounds</i>
18:10 PM: Prize Distribution Ceremony 🏆	
18:15 PM: Vote of Thanks: Prof. Ayan Datta	