

2nd Indo-European Symposium on Surface Engineering (IESSE-2024)

Event Schedule

Day 1 (11 December 2024)	
10:00 – 12:30	Registration
12:30 – 13:30	Lunch
14:00-14:35 Venue: CAT Hall	Inaugural Session - Welcome of dignitaries on the dais - Lighting of lamp and Institute Prayer - Welcome note by Dr. R. K. Sinha, Head Department of Physics, BIT Mesra, Ranchi - Address by Chairperson, Prof. Indranil Manna, Honourable Vice-Chancellor, BIT Mesra, Ranchi - Address by Dr. Manish Roy, Member, Indo-European Advisory Board - Symposium overview by Co-Chairperson, Prof. Albano Cavaleiro, University of Coimbra, Portugal - Address by Chief Guest, Dr. Naresh Chandra Murmu, Director, CSIR-CMERI, Durgapur - Vote of thanks by Convener, Dr. Rishi Sharma, Department of Physics, BIT Mesra, Ranchi - National Anthem
14:35-14:45	Tea Break
14:45-18:00 CAT	Plenary Session-I Session Chair: Dr. Manish Roy & Prof. Albano Cavaleiro SEK-1: ‘Biomimetic Approaches and Engineered Living Materials (ELMs) in Surface Engineering: Utilizing Common, Biodegradable Materials for Functional Structures’ by Prof. Ilie C. Gebeshuber , TU Wien, Austria. SEK-2: ‘High Temperature Protective Coatings For Defence Applications’ by Dr. D. K. Das , Director, DIA-CoE, IIT Kharagpur, India. SEK-3: ‘Superconducting thin film applications for the FCC, preparation and microstructure’ by Prof. Johannes Bernardi , TU Wien, Austria. SEK-4: ‘Advances in Surface Engineering for High-Performance EV Bearings’ by Dr. Lokesh Agrawal , CTO, NEI (NBC Bearings), Jaipur, India. SEK-5: ‘Spin Resonance Spectroscopy with a Transmission Electron Microscope’ by Prof. Philipp Haslinger , TU Wien, Austria. SEK-6: ‘Perspectives on Cold Spray: Introduction, Evolution and Future’ Prof. Harpreet Singh , IIT Ropar, India. SES-1: Sponsors Talk by Dr. A. Kale , SMT, Mumbai, India
18:00-18:30	High Tea
18:30-19:30 In front of R&D Hall-2	Poster Session-I Judges: Prof. Sandra Carvalho, Prof. Johannes Bernardi & Dr. D. K. Das Abstract IDs: SE-3, SE-41 to SE-44, SE-46 to SE-59
End of the Day 1	
<i>Gala Dinner: 20:00 Onwards, Venue: Ranchi Gymkhana Club, Ranchi</i>	
Day 2 (12 December 2024)	
09:00-11:15 CAT	Plenary Session-II Session Chair: Prof. Sandra Carvalho & Dr. Lokesh Agrawal SEK-7: ‘Sputtering, a bottom-up nanotechnology for tailoring nanomaterials’ Prof. Albano Cavaleiro ,

	University of Coimbra, Portugal. SEK-8: ‘Laser Surface Treatment Of Titanium and Its Alloys for Improving Wear and Corrosion Resistance’ by Prof. Jyotsna Dutta Majumder, IIT Kharagpur, India. SEK-12: ‘Metal/ceramic composite surfaces for improved tribological properties’ Prof. Anna Neus Igual Muñoz, EPFL, Switzerland. Sponsors Talk
10:45 – 11:00	Tea Break
11:00 – 12:45	Plenary Session-III Session Chair: Prof. Anna Neus Igual Muñoz & Prof. Jyotsna Dutta Majumder SEK-9: ‘Tribocorrosion Aspects of Biomedical Implants and Surface Coatings: Where are we now?’ Prof. Mathew T. Mathew, University of Illinois, Chicago, USA. SEK-10: ‘Plenary Lecture’ by Prof. Sandra Carvalho, University of Coimbra, Portugal. SEK-11: ‘Modelling lifetime of gold coated wavy surfaces under sliding conditions’ by Prof. Stefano Mischler, EPFL, Switzerland. SES-3: Sponsors Talk by Dr. Nitesh Vashishtha
12:45-13:45	Lunch
14:00-17:30 R&D Hall-1	Technical Session-1 Session Chair: Prof. Mathew T. Mathew & Prof. S. Keshri Oral Presentations Abstract IDs: SES-2, SE-1, SE-2, SE-4 to SE-20,
14:00-17:30 R&D Hall-2	Technical Session-2 Session Chair: Prof. Stefano Mischler & Dr. S. K. Sinha Abstract IDs: SE-21 to SE-40, SE-89
17:00-17:15	High Tea
17:15-18:15 In front of R&D Hall-2	Poster Session Judges: Prof. Albano Cavaleiro, Prof. Anna Neus Igual Muñoz & Dr. R. K. Sinha Abstract IDs: SE-45, SE-60 to SE-88, SE-90
18:30-19:00 R&D Hall-1	Valedictory Session
End of the Day 2	
<i>Dinner: 20:00 Onwards, Venue: Community Hall, BIT Mesra, Ranchi</i>	