

## Technical Program Schedule

### International Seminar on Screening and Sizing (i3S 2025)

January 16-17, 2025; Venue - The Alcor Hotel, Jamshedpur

#### Day 1: 16 January 2025

#### Inaugural program (08:15-10:30)

08:15-09:00	Registration
09:00-09:12	Lamp lighting
09:12-09:16	Welcome address by Chairman i3S (Dr Siddhartha Misra, Chief Process Research, R&D, TSL)
09:16-09:20	Souvenir Release
09:20-09:24	Address by Chairman IIM Jamshedpur chapter (Prof Ashok Kumar, NIT Jamshedpur)
09:24-09:29	Address by Guest of Honor (Mr. Subodh Pandey, VP Technology, R&D, NMB and Graphene, TSL)
09:29-09:34	Address by Distinguished Guest (Prof. B K Mishra, Distinguished Visiting Professor, IIT Bhubaneswar)
09:34-09:39	Address by Honorable Chief Guest (Mr. D B Sundara Ramam, VP Raw Materials, TSL)
09:39-09:43	Felicitation of all the guests on dais
09:43-09:45	Vote of Thanks by Convener
09:45-10:30	Inauguration of exhibition and poster session followed by <b>TEA BREAK</b>

## Day 1: 16 January 2025

### Session - I: Role of Screen - Present and Future

Session	Time	Speaker	Affiliation	Lecture Title
PL-1	10:30-11:10	Prof. Barada Kanta Mishra	Indian Institute of Technology Bhubaneswar	Understanding Breakage and Classification for Superior Milling Outcomes
KL-1	11:10-11:40	Prof. B. C. Meikap	Indian Institute of Technology Kharagpur	Enhancement of Beneficiation on Sizing of Coal, Iron Ore & Bauxite
KL-2	11:40-12:10	Mr. Jan Ehrenfels	Sandvik Screening Solutions Europe	Screens & Feeders for Steel Plant Applications
KL-3	12:10-12:40	Mr. Peter Schoberl and Mr. D. Dutta	International Combustion	New Generation Large Capacity Flip Flow Screen for Difficult to Screen Material
<b>POSTER SESSION</b>	12:40-13:00	Juries Judgement		
<b>LUNCH BREAK (13:00-14:00)</b>				

PL: Plenary Lecture (35 minutes presentation + 5 minutes Q&A); KL: Keynote Lecture (25 minutes presentation + 5 minutes Q&A)

## Day 1: 16 January 2025

### Session – II (A): Hydrocyclone Development and Advancement

Session	Time	Speaker	Affiliation	Lecture Title
PL-2	14:00-14:40	Prof. Arun Kumar Majumder	Indian Institute of Technology Kharagpur	Performance Optimization of Hydrocyclone Using Outlet Modifications, Vibrometry, & Machine Learning
KL-4	14:40-15:10	Dr. Chandranath Banerjee	Weir Minerals India	How Cavex® DE hydrocyclone can offer an effective sustainable framework in tailings management for mining industry?
PL-3	15:10-15:50	Prof. Magnus Evertsson <b>(Online)</b>	Chalmers University of Technology, Sweden	Modelling Vibratory Screen and Practical Challenges with Screen Operations

### TEA BREAK (15:50-16:20)

### Session – II (B)

KL-5	16:20-16:50	Mr. Chris Currie & Mr. Aditya Parekh	FLSmidth	Innovative Screening Media Solutions by FLS
KL-6	16:50-17:20	Prof. Narasimha Mangadoddy <b>(Online)</b>	Indian Institute of Technology Hyderabad	Development of a Dense Slurry CFD model for the Hydrocyclone performance prediction with Multicomponent Feed
KL-7	17:20-17:50	Mr. Baojie Zhang <b>(Online)</b>	Derrick Corporation, Buffalo NY USA	Unlocking the Potential of Derrick Fine Screening Technology in Iron Ore and Coal Applications

### CULTURAL PROGRAM AND COCKTAIL DINNER (19:00 ONWARDS)

## Day 2: 17 January 2025

### Session - III: Application of Modelling and AI/ML

Session	Time	Speaker	Affiliation	Lecture Title
PL-4	09:00-09:40	Dr. Paul W. Cleary <b>(Online)</b>	CSIRO, Australia	Prediction of wet and dry vibrating screen performance using particle methods
KL-8	09:40-10:10	Prof. Jayanta Chakraborty	Indian Institute of Technology Kharagpur	Application of Discrete Element Methods (DEM) in Industrial Screening
KL-9	10:10-10:40	Mr. Parkash Kumar	Ansys India Pvt. Ltd.	Application of Discrete Element Method (DEM) in Optimizing Vibrating Screen Operating Parameters
KL-10	10:40-11:10	Mr. Denilson Moreno	Haver & Boecker Latinoamericana	HAYER & BOECKER Vibrating Screening “The Power of Technology”

**TEA BREAK (11:10-11:30)**

## Day 2: 17 January 2025

### Session – IV (A): Case Studies – Screening, and Sizing

Session	Time	Speaker	Affiliation	Lecture Title
KL-11	11:30-12:00	Dr. Asim Kumar Mukherjee	TSL	Low- Grade Iron Ore Beneficiation – A Researcher’s Perspective
KL-12	12:00-12:30	Mr. Purshottam Kumar	Metso	Sustainable Solution for Mineral Processing Industry
KL-13	12:30-13:00	Dr. Arghya Majumder	Kazi Nazrul University	Optimizing Sintering Efficiency: The Critical Role of Screening and Sizing

### LUNCH BREAK (13:00-14:00)

### Session – (IV B)

KL-14	14:00-14:30	Prof. Nikkam Suresh	IIT-ISM	Cyclones in Coal & Mineral Processing Plants
KL-15	14:30-15:00	Mr. Thiago Buoso ( <b>Online</b> )	Haver & Boecker Latinoamericana	Transform Vibrating Screen Operation and Maintenance with Pulse Condition Monitoring
KL-16	15:00-15:30	Mr. Surya Pratap Singh	Derrick India	A Comparative Analysis of Grinding Circuit Performance Employing Fine Screen Technology and Conventional Hydro cyclone Classifiers
Closing	15:30-15:45	Poster award session Closing remarks by Vice chair i3S and vote of thanks by General secretary i3S		

\*Subject to change