

ICOMS 2023 Schedule

Day 1: 22nd Dec 2023

09:30 to 11:30 AM (Inaugural Session)

HIGH TEA

11:45 to 1:30 PM (Plenary/Keynote Session)

LUNCH /RECESS

2:00 to 4:10 PM (Session- A)

Theme Sustainability & Best Practices in Environmental Management

Sl. No.	Time Slot	Paper Title	Authors	Contact
1	02:00 to 02:20 PM	Framework for source apportionment study in coal mine area with pit head power plant	K V George et. al., CSIR NEERI	9422305272
2	02:00 to 02:40 PM	Sustainability of Brown Field Projects in Coal Sector: Socio-Psychological approach	Dr Peeyush Kumar, General Manager (BD), CIL HQ	9560048183
3	02:40 to 03:00 PM	Geological Storage of CO2 for Energy Sustainability – Investigation on DAModar Valley and Upper AssAM Basin Shales	Basanta Kumar Prusty et. al., IIT Kharagpur	9474065042
4	03:00 to 03:20 PM	Sustainable Mining: AI Applications for Environmental Impact Mitigation and Resource Conservation	Rajesh Kumar et.al., CMPDI HQ Ranchi	8987789148
5	03:20 to 03:40 PM	SIMULATION OF POROUS CERAMIC CANDLE SHAPE WATER FILTER FROM BINALIW SILT	Princess Joy E. Naig, Virgilio Y. Abellana , Phillipines	
6	03:40 to 04:00 PM	Application of Groundwater Modelling & Digital Elevation Model for Determination of the Catchment Area to convert an Abandoned Openpit Mine into an Asset	Ayanda Dube, Apurna Ghosh, DMME Curtain, Australia	
7	04:00 to 04:10 PM	CIL Strategy- Contribution for 5 Trillion Economy "Atma-nirbhar Bharat"	Pradeep Kumar Tripathi	9425820868

HIGH TEA

4:15 to 5:50 PM (Session- B)

Theme Technology Based Environmental Management, Resource Planning

Sl. No.	Time Slot	Paper Title	Authors	Contact
1	04:15 to 04:35 PM	Improved Resource Management: The ERP Solution for Sustainable Mining	Subhajit Banerjee et.al. GM ERP CIL	9163312489
2	04:35 to 04:55 PM	Assessment of air quality in residential areas around an open cast coal mine - a case study	Dr Soumya Ranjan Mallick et al, GEC Keonjar	9437545820
3	04:55 to 05:15 PM	Coal Washery Rejects: Potential secondary resource for rare earths extraction	Prasanth Modi et.al. IIT ISM Dhanbad	8127453385
4	05:15 to 05:35 PM	Role of Coal Mines Managers in Carving Sustainable Application of Forest Clearance	Dr. Manoj Kumar, BCCL Dhanbad	9431356788
5	5:35 to 5:50PM	Study of High Pressure Dust Suppression (*HPDS) System in CHP of opencast mines in CIL	Jitendra Kumar Dixit et.al., CMPDIL	9692676663

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Day 2: 23rd December 2023

9:15 to 11:15 AM (Session C)

Theme

Optimization in production & productivity

Sl. No.	Time Slot	Paper Title	Authors	Contact
1	09:15 to 09:35 AM	Development of Maintenance Policy 4.0 of HEMM Using Bayesian Network Model	Atma RAM Sahu et.al. Aditya College Satna	9424917835
2	09:35 to 09:55 AM	Innovation based Maintenance: (Case Study of 33/72 Somnath, biggest Dragline of Coal India Limited.)	Shashi Ranjan et.al. NCL Khadia	9406711933
3	09:55 to 10:15 AM	Automated Evaluation of Tenders at Bidding Stage using Artificial Intelligence: Enhancing Efficiency and Transparency in Procurement Processes	Siddharth Agarwal et.al. IIT ISM Dhanbad	9335536412
4	10:15 to 10:35 AM	Design and Development of High-performance wear resistant tooth point assembly for excavators working in opencast coal mines of NCL	Bhola Singh, Dr. Mohd. Zaheer Khan Yusufzai et.al.	9416154656
5	10:35 to 10:55 AM	Production and Productivity Improvement: 26m3 Dipper Rope Shovel paired with 186 MT Truck	David GuardAMino, Komatsu, USA, Piyush Singh	9007530003
6	10:55 to 11:15 AM	The role of Change Management in driving the adoption and implementation of Digital Systems in the mining cycle –focus on drill and blast	Hilton Goldfinch & Amit Bhandari, Australia	61402435275

HIGH TEA

11:30 AM to 1:30 PM (Session- D)

Theme

Operational Benchmarking in Opencast Mines

Sl. No.	Time Slot	Paper Title	Authors	Contact
1	11:30 to 11:45 AM	Augmenting Overburden Removal by Department Capacity Utilization with Optimization of Mining ParAMeter for 20 CuM Shovels in Northern Coalfields Limited	Jitendra Malik, Dinkar Tiwari et.al. NCL HQ	7566669296
2	11:45 to 12:00 PM	Techno economic feasibility of mechanical rock excavators as a promising alternative to conventional blasting close to urban areas- A novel methodology for hard abrasive rockmass	Prof. VMSR Murthy, Nachiket V. Bhagade et.al.	80848 45012
3	12:00 to 12:15 PM	Investigations on Energy Productivity of Surface Miner during Coal Cutting and Optimisation of its Control Factors using Taguchi Method	Nilesh Pratap Singh et. Al.	8756527331
4	12:15 to 12:30 PM	Measures to Improve Productivity at NCL Projects	L P Godse, Ajay Kr. Pandey	9454208341

5	12:30 to 12:45 PM	INSIGHT OF RECENTLY NOTIFIED CENTRAL ELECTRICICITY AUTHORITY (MEASURES RELATED TO SAFETY AND ELECTRIC SUPPLY) REGULATIONS 2023 TOWARDS PRODUCTIVITY AND ELECTRICAL SAFETY OF OPEN CAST MINES	Sanjeev Kumar, NCL HQ	9406965005
6	12:45 to 01:00 PM	A Study on determination of life of Motors and Economics of Replacement of Conventional Motors with Energy Efficient Motors in Coal Mines	AMritanshu et. Al. CMPDI Ranchi	9039028580
7	01:00 to 01:15 PM	Optimisation of Dragline Operational Planning and Sequencing for Productivity Enhancement- A case study	Rishi Shrivastava et.al.	6260671273
8	01:15 to 01:30 PM	Technical Control in coal edge dAMage loss due to cast blasting in Dragline Highwall	Anil Kumar P.S, et.al.	7805822283

LUNCH / RECESS

2:00 to 4:30 PM (Exhibitor Session)

Sl. No.	Time Slot	Paper Title	Authors	Contact
1		Application of AI based Advance Predic on Tool & Total Cost Ownership (TCO) Model approach in Drilling & blasting for reduction in overall Mining cost	Ajit Tatwadi, Mahadhan AgriTech Limited	9866970407
2		FLSmith: Productivity Improvement by using FerroCer Impact Wear Panels	Abhay Pathak, Kshitiz Prakash	7305054305
3		Production and Productivity : RCT, Epiroc and Surface presentation	Hriday Rao et.al.	7877730058
4		Auto Fire Ball	Sumegaj Enterprises	
5		Haul Road and Mine star Edge	Caterpillar, Subhodh Singh	8959105171
6		JK Tyres: Online Pressure Management System	Manish Pandey	9589022185
7		Safety Training in Coal Mines Using XR	Akhouri Anand Kumar, Experience Zone Ltd.	
8				

4:30 PM onwards - VALEDICTORY SESSION/ CLOSING CEREMONY

HIGH TEA