

VIRTUAL SESSIONS SCHEDULE

DAY 1, 22nd January 2021

Hall A			
8:30 AM	Registration of Delegates/Paper Presenters		
9:30 AM	Registration of VIPs		
10:00 AM	Arrival of Chief Guest and Guests of Honour		
10 AM to 11: 45 AM	Inaugural Function		
12:15 PM	Inauguration of Exhibition		
12:30 PM to 2:00 PM	Keynote Session		
Technical Session -B-1			
Theme: Production, Productivity In Opencast Mines			
Chairman	Shri Anurag Kumar		
Co- Chairman & Rapporteur	Shri Biswajit Chaudhary		
12:30 PM-2:00 PM			
	Tech papers	Author	Institution
1	Backbreak and fragmentation mechanism in Dragline blasting	VMSR Murthy	Key Note Paper
2	Digitalisation of Drilling and blasting Operations in Surface Mines	Sushil Bhandari	Key Note Paper
3	Performance Evaluation of Mining Equipment, A Benchmarking Tool	Mousa Mohammadi,	Islamic Azad University,Sirjan, Iran; IIT (BHU), Varanasi
4	Reduced Rehandling: A New Perspective to Mine Backfilled Quarries	Niraj Kumar Das	CMPDI RI-II Dhanbad
5	Development of Safe Blasting Technique at Hot Strata Condition for safe and efficient extraction of coal from developed UG pillars by O/C Mining.	S.P.Singh	Wani Area, WCL Nagpur
6	Sustainable Mine Development & IT application	Chang woo Lee	(Key Note Paper) S. Korea
7	Automated dewatering system for open cast coal mines	Shweta smriti tripathi	KIIT Bhubhaneshwar/CET Bhubhaneshwar
Theme : Safety in Opencast Mines			
Chairman	Shri L P Godse		
Co- Chairman & Rapporteur	Shri Rajeev Kumar		
2:30-4:30 PM			
	Tech papers	Author	Institution
1	Safety Maturity of Indian Mining Industry- Where are we?	R. M. Bhattacharjee	Key Note Paper
2	Design of shovel-dumper dump above dragline dump and Delineation of Phreatic surface within dragline dump.	Prof. Indrajit Roy	Birla Institute of Technology, Mesra
3	SAR Processing for Northern Coalfields Limited Open Cast Mines Data using SNAP	Suyog Choudhari	Radar Division, SAMEER
4	Improving the Capability of Space-borne SAR Interferometry (InSAR) Techniques for Better Detection, Monitoring, and Analysis of Slope Instability in Surface Mining Environment	M S Alam	IIT(ISM) Dhanbad
5	Geotechnical Study for Pit Slope Design of an Opencast Limestone Mine - A Case Study	A.G.Sangode	CSIR-Central Institute of Mining & Fuel Research, Nagpur Research Centre
6	Slope Movement Thresholds For Assessment Of Slope Behaviour In Opencast Mines - A Scientific Review.	Subodh Kumbakar	CSIR-Central Institute of Mining & Fuel Research, Nagpur Research Centre, India
7	Stability Analysis of Mine Embankment against River at Opencast Coal Mine	Ashutosh Kumar Bharti	
8	IMPORTANCE OF STRATEGIC SEQUENCING IN MINE PLANNING	Ranjit Das	Curtin University
Theme: Innovation, Automation, Miscellaneous in Opencast Mining			
Chairman	Shri V K Agrawal		
Co- Chairman & Rapporteur	Shri Sanjay Khare		
4:30 PM-6:00 PM			
	Tech papers	Author	Institution
1	Strategy for Coal Gasification in India	Peeyush Kumar	Key Note Paper
2	Future of Coal	Pankaj Satija	TISCO
3	Application of IOT and AI based technologies in Coal Mining	Pankaj Pandey	CMPDI
4	Potential use of L&T Surface Miner in OB Removal	BN Arora	L&T Kansbahal Product Business Unit, India
5	Business Benefits from Digital Technologies in Mining	Amit Bhandari	MineExcellence, Melbourne/India
6	IoT Enabled Solutions for Sustainable Opencast Mining Operations	Guntha Karthik	Stanley College of Engineering & NIT Rourkela
7	Mine Waste Dump Instability and Monitoring Using Predictive Knowledge-Based Stability Rating and Hazard Classification System	Prashant Kumar Nayak	National Institute of Technology, Raipur

DAY 2, 23nd January 2021			
Theme: Environmental Sustainability			
Chairman	Shri A N Pandey		
Co- Chairman & Rapporteur	Shri P D Rath		
9:30 AM - 11:30 AM			
	Tech papers	Author	Institution
1	IOT, AI and ML application in Mining - A Prospective	Prof. Sukumar Bandopadhyay	Key Note Paper
2	An investigation and analysis of spoil dump stability using Geo-synthetics	Murthreja, I. L.	Visvesvaraya National Institute of Technology, Nagpur
3	Formulation of TARP in Opencast Coal Mines for Stable slopes- A Case Study	Singam Jayanthu	NIT Rourkela
4	Developing Empirical Relations for Estimating Carbon Content stored in Different tree species – A case Study at a Corporate office	Dr Manoj Kumar	Central Coalfields Limited, Ranchi
5	Morphological and leaching characteristics of fly ash-mine overburden-clinker composite materials	Sunil Kumar	IIT BHU varanasi
6	Artificial intelligence methods in fault diagnosis of power distribution system in coal mines	Amrita Pandey	University of Lucknow, KIIT
7	Optimization of Capital Costs and Carbon Footprint in Open Caste Mining	D.BAG	NIT ROURLA
Theme: Health Safety and Economics in Opencast Mining			
Chairman	Shri G K Raghav		
Co- Chairman & Rapporteur	Shri S P Singh		
11:40AM -1:25 PM			
	Tech papers	Author	Institution
1	Whole Body Vibration Exposure and Ergonomic Issues of Heavy Earth Moving Machine Operators in Surface Mines: A major Health Concern	Ashis Bhattacharjee	Keynote Paper
2	Potential Utilization of Coal Mine Overburden Material	Vineet Balakrishnan	National Institute of Technology, Raipur
3	Extraction of Barrier in between Ashok & Piparwar Opencast Projects of Central Coalfields Limited	Ajay Singh	Central Coalfields Limited
4	Psychosocial Issues and Social Sustainability in the Mining Industry	Namita Srivastava	Department of Psychology, Banaras Hindu University, Varanasi
5	Biological stabilization of mine waste dump	Arunava Ray	Department of Mining Engg. IIT (BHU)Varanasi
6	The Effect of Job Satisfaction and Occupational Stress on Mental Health of Northern Coalfields Limited (NCL) Employees	Vishnukant Tripathi	Department of Psychology, Banaras Hindu University, Varanasi
Theme : Safety & Related Laws in Opencast Mines			
Chairman	Shri A. Pathak		
Co- Chairman & Rapporteur	Shri S. K. Verma		
2:00 PM - 4:15 PM			
	Tech papers	Author	Institution
1	Fatigue Monitoring through Artificial Intelligence and Machine Learning - A need for Mining Industry	Singham Jayanthu	Key Note Paper
2	Pit Slope Stability in the Opencast Coal Mines in India - A Practical Insight with Special Reference to Wardha Valley Coalfield	Jagdish C. Jhanwar	CSIR-Central Institute of Mining & Fuel Research, Nagpur Research Centre
3	Changing Environmental Law Paradigm – Lessons for Coal Industry	Dr Siddharth Priya	Bina Area NCL
4	Utilisation of Open Cast Dump Material in Road Construction	Rabindra Sethi	BCCL
5	An Experimental Study to Determine the Profile of Phreatic Surface in a Simulated Dump Slope for Steady-state Seepage	Mamta Jaswal	IIT(ISM) Dhanbad
6	A Simplistic Approach to Internal Dump Capacity Assessment	Jai Prakash	CMPDI RI-II Dhanbad
7	Social Sustainability in Indian Mining Industry	Dr Ram Prasad Choudhary	JNV University Jodhpur
8	Evaluation of Latest Technology for Dust free Environment	S. Chakravorty	ECODEA Project and Control Pvt. Ltd.
Hall A	Veledictory Function		
4:15 PM to 5:00 PM			