

**International conference on
“RESOURCE EFFICIENCY AND CIRCULAR ECONOMY IN MINERAL & METAL
SECTORS”**

MMMM 2022

**August 25-27, 2022
Pragati Maidan, New Delhi**

PROGRAMME (Tentative)

25TH AUGUST 2022		
0900Hrs – 1000 Hours	Registration	
1000 Hrs -1130 Hrs	Inaugural Session	
1130 Hrs to 1200 Hrs	Inauguration of Exhibition	
1200 Hrs to 1315Hrs	Panel Discussion (Conclave of Industry-Academia Leaders)	
1315 Hrs to 1415 Hours	Lunch Break	
1415 Hrs to 1600 Hrs	TECHNICAL SESSION I Decarbonisation and Green Metal Production	
Chairman of the Session	Dr. Sanak Mishra Former, INAE President	
Paper No.1	Challenges in deep decarbonisation of steel industry	Dr. Debashish Bhattacharjee, Tata Steel (Invited)
Paper No. 2	Decarbonizing the steel sector in India; An analytical perspective on the role of circular economy	Dr. Shilpi Kapur E M Centre (Invited)
Paper No. 3	Decarbonizing the steel sector: Technologies and Pathways	Dr. Joachim Von Scheele, Linde Technology (Invited)
Paper No. 4	Danieli's way forward towards low carbon future	Shri Manoranjan Ram, Danieli India Ltd.

Paper No. 5	SAIL on a greener path through circular economy	Shri S K Das, EMD-SAIL
1600 Hrs to 1615Hrs		Tea Break
1615 Hrs to 1815 Hrs		TECHNICAL SESSION II Resource Efficiency and Circular Economy In Metal Sector
Chairman of the Session		Shri S S Mohanty Ex-VC and MD, NINL
Paper No. 1	Resource efficiency and circular economy of mineral and metal sectors	Shri Sauvick Mazumdar, Vedanta (Invited)
Paper No. 2	HPPI for circularity and wealth creation from Wastes	Shri P K Tripathy, Tata Steel
Paper No. 3	Resource Efficiency through by-product Recycling and waste material utilization in the development of metal production / recycling technologies – DMRL initiatives	Dr. CHRVS Nagesh, DMRL
Paper No. 4	Enhancing resource efficiency of metal scrap recycling sector in India	Commodore Sujeet Samaddar, MRAI
Paper No. 5	Acid leaching of cobalt and lithium from Li-ion batteries in presence of copper reductant	Dr. Chenna Rao Borra, IIT, Kharagpur
Paper No. 6	Improving resource efficiency in steel Industry through world class manufacturing -The Toyota way	Shri A N Singh Lean Solutions
Paper No.7	Resource Efficiency in mining and metal Sector	Shri Sanjay Dutta MECON

26TH AUGUST 2022		
1000 Hrs to 1130 Hrs		TECHNICAL SESSION III Manufacturers & Exhibitor's Presentation
Chairman of the Session		Mr. Ulrich Greiner Pachter MD, SMS India Pvt. Ltd.
Paper No. 1	Usage of HBI/DRI as decarbonisation strategy	Bart de Graff Danieli Corus
Paper No. 2	Pathways for decarbonization of the steelmaking industry	Shri Praveen Chaturvedi, TENOVA

Paper No. 3	Trends in non-ferrous metal production industry- the future of metals is circular, digital and carbon neutral	Mr Johannes Joubert SMS India Pvt. Ltd.
Paper No. 4	Energy efficiency through lubricants which can contribute in environment conservation	Shri Utkal Mishra, Exxonmobil Lubricants Pvt. Ltd.
Paper No. 5	Role of repair, refurbishment and life extension services in circular economy	Ms Surbhi Sood, Industrial Processors & Metallizers Pvt. Ltd.
Paper No. 6	Critical minerals – exploring potential between India and Western Australia	Shri Bhanu Rahoni, Govt. of Western Australia (WATO)
1130 Hrs to 1145 Hrs		Tea Break

1145 Hrs to 1330 Hrs		TECHNICAL SESSION IV Utilization of Lean Grade Ores
Chairman of the Session		Dr. S Basu Director, CSIR-IMMT
Paper No. 1	Challenges in utilization of lean grade iron ores for sustainable iron making	Shri Rameshwar Sah JSW Vijaynagar
Paper No. 2	Production of pellet grade concentrate from sub-grade iron ore using enhanced gravity Separation	Shri G V Rao, NMDC
Paper No. 3	Recovery of values from low and lean grade Iron ore resources	Dr. A K Sahu CSIR-IMMT
Paper No. 4	Utilization of iron ore bearing co-products Through sinter and pellets	Shri M. Singhai JSW, Dolvi
Paper No. 5	Characterization and pelletization studies Of chromite overburden for smelting in Submerged arc furnace	Shri S K Tripathy Tata Steel
Paper No. 6	Utilization of lean grade iron ore fines in Beneficiation process at JSW Steel Ltd	Shri S S Yadav JSW, Vijaynagar
Paper No. 7	Requirements and challenges of high pellet Charging in blast furnace	Shri Manda Rajnanda Kumar, Mecon
1330 Hrs to 1415 Hrs		Lunch Break

1415 Hrs to 1615 Hrs		TECHNICAL SESSION V Utilization of slag and Co-Products
Chairman of the Session		Dr. S K Jha CMD, MIDHANI
Paper No. 1	Value addition of LD slag: a by-product of steel industry, an opportunity for agriculture	Dr. Bhupinder Singh ICAR-IARI
Paper No. 2	Steel slag road: a sustainable green	Shri Satish Pandey

	Utilization of steel slag in road construction	CRRI
Paper No. 3	Valorization of iron and steel slag for value-Added products in cement and construction Applications	Shri Rama Murthy Tata Steel
Paper No. 4	Development of cement free concrete using Slags produced in iron and steel plants	Shri Gautam Banerjee AMNS
Paper No. 5	Utilization of LD slag in developing new Composite/blended cementitious binder	Dr. S K Singh CSIR-CBRI
Paper No. 6	Comparative study on low coast Ca/Mg/Al/ Fe layered double hydroxide (LDH) derived From EAF slag with standard TiO ₂ for Waste water remediation	Dr. S K Singh CSIR-CBRI
Paper No. 7	Slag sand: a sustainable way to reuse slag	Shri Satish Kumar JSW, Vijaynagar
1615 Hrs to 1630 Hrs		Tea Break

1630 Hrs to 1800 Hrs		TECHNICAL SESSION VI Energy and Environment
Chairman of the Session		Shri. Bidyut Chakraborty* Partner, KPMG
Paper No. 1	Integrated sustainability assessment of Steel manufacturing in India: a comparative LCA	Shri Souvik Bhattacharjya TERI (Invited)
Paper No. 2	Technological interventions towards Reduction in energy consumption and GHG Emission in SAIL plants	Shri Partha Banerjee RDCIS-SAIL
Paper No. 3	Present practices and future plans to Minimize GHG emission at AMNS	Shri V. Pokharna AMNS
Paper No. 4	Usage of HBI/DRI as decarbonisation strategy	Mr. Bart de Graff Danieli Corus
Paper No. 5	Circular economy solutions: refractories recycling	Shri Jaydeep Bagchi RHI Magnesita

27TH AUGUST 2022		
1015 Hrs to 1145 Hrs		TECHNICAL SESSION VII New Technology
Chairman of the Session		Dr. Mukesh Kumar Director, SRTMI
Paper No. 1	A New Solution for Metal Recovery with Special Plasma Arc Furnace Technology with least emissions and High	Shri Raghuram Rao Proman Infrastructure/ Maser Cata

	Efficiency	
Paper No. 2	Lanza Tech; Recycling carbon, creating value	Ms. Preeti Jain Lanza Tech Pvt. Ltd.
Paper No. 3	Latest developments in wet and dry gas cleaning	Mr. Bart de Graff Danieli Corus

1200 Hrs to 1330 Hrs	VALEDICTORY SESSION
1200 Hrs to 1215 Hrs	Overview on International Conference
1215 Hrs to 1230 Hrs	Overview on Exhibition Event
1230 Hrs to 1330 Hrs	Valedictory Function
1330 Hrs onwards	Lunch

**Confirmation awaited*