

**International Conference on Steelmaking and Casting - Sustainable Technology and Practices (SMCSTP2020)**  
**6 - 7 February 2020, Jamshedpur, India**

**Conference Schedule**

**Date: 6th February 2020, Thursday**

**Venue: Hotel ALCOR**

<b>Registration</b>	<b>08:00 - 09:00</b>
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<b>Inauguration</b>	<b>09:00 - 09:30</b>
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<b>Plenary Session</b>	<b>09:30 - 10:30</b>
Session Chairman: Dr. Sanjay Chandra, Chief R&D, Tata Steel	
Plenary Speaker: Dr. S Jahanshahi, Formerly CSIRO Minerals, now Meta-Logical Solutions, Australia Paper Title: Assessment of the Use of Biomass/Designer Chars for Low Emission Steel Production	

<b>High Tea Break</b>	<b>10:30 - 11:00</b>
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<b>Technical Session 1</b>	<b>11:00 - 12:55</b>
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Sr. no.	Speaker	Affiliation	Paper Title	Invited / Contributory	Duration
S1-K1	Mr. Ulrich Greiner-Pachter	SMS India Pvt. Ltd, INDIA	Innovative Solutions for Requirements of Modern Day Steel Plants	Invited	11:00 - 11:25
S1-K2	Prof. Miroslaw Karbowiczek	AGH University of Science and Technology, Krakow, POLAND	The Energy Consumption Optimisation during the Electric Arc Steelmaking	Invited	11:25 - 11:50
S1-C1	Dr. Madan Mohan Mahato	JAMIPOL Ltd., INDIA	Sustainable Technologies for Low Phosphorous Steel Production and Steel Deoxidation Practices	Contributory	11:50 - 12:05
S1-C2	Mr. Satyendra Singh	JSPL, Raigarh, INDIA	Ferro alloy Cost Optimization through Change in De-oxidation Practices and Development of Mathematical Model	Contributory	12:05 - 12:20
S1-C3	Dr. Somenath Chatterjee	ANSYS, INDIA	Simulation Based Design and Analysis of Basic Oxygen and Electric Arc Furnaces in Metal Industry – A Review	Contributory	12:20 - 12:35
S1-C4	Mr. Ranjan Kumar Pathak	RINL, Visakhapatnam, INDIA	An Investigation of Gas-jet Hydrodynamic Parameters, Physical, Microstructural, and Mineralogical Properties of Slag for BOF slag Splashing	Contributory	12:35 - 12:50
Additional time for chairman (Introduction + Sum up)					12:50 - 12:55

<b>Lunch Break</b>	<b>12:55 - 14:00</b>	<b>Venue: Hotel ALCOR</b>
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<b>Technical Session 2</b>	<b>14:00 - 15:55</b>
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Sr. no.	Speaker	Affiliation	Paper Title	Invited / Contributory	Duration
S2-K1	Prof. G.G. Roy	IIT Kharagpur, INDIA	Calcium Cored Wire Injection -A Sustainable Approach towards Inclusion Control in Steel	Invited	14:00 - 14:25
S2-K2	Prof. Youn-Bae Kang	GIFT, Pohang University of Science and Technology, Rep of KOREA	Attempts to Develop Enhanced Refining Technology in Steelmaking Process – Applications of Drop Formation and Electricity to Desulfurization	Invited	14:25 - 14:50
S2-C1	Mr. Raj Kumar Yadav	JAMIPOL Ltd., INDIA	Sustainable Desulphurization Solutions Developed by JAMIPOL	Contributory	14:50 - 15:05
S2-C2	Mr. Ravindran Ramar	JSW Steel Ltd, Salem, INDIA	Reduction of Inclusion in Aluminium killed Resulphurised Steels for Forging Applications	Contributory	15:05 - 15:20
S2-C3	Mr. Anmasi A	CSIR-NML, INDIA	Flux Development for Dephosphorization of Steel in Induction Furnace	Contributory	15:20 - 15:35
S2-C4	Mr. Krishnakumar K	JSW Steel Ltd, Salem, INDIA	Carbon Prediction Model in Energy Optimizing Furnace	Contributory	15:35 - 15:50
Additional time for chairman (Introduction + Sum up)					15:50 - 15:55

<b>Tea Break</b>	<b>15:55 - 16:10</b>
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<b>Technical Session 3</b>	<b>16:10 - 17:50</b>
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Sr. no.	Speaker	Affiliation	Paper Title	Invited / Contributory	Duration
S3-K1	Dr. John Bustnes	Swerim AB, SWEDEN	Swerim Research for a Reduced CO2-Footprint from the Metallurgical Industry	Invited	16:10 - 16:35
S3-K2	Mr. Ashutosh Kumar	Tata Steel Jamshedpur, INDIA	Sustainable Technology and Practices Adopted in Steelmaking Shop No1 of Tata Steel	Invited	16:35 - 17:00
S3-C1	Mr. Binay Kumar	IIT Kharagpur, INDIA	Exergy Analysis of Rotary Hearth Furnace-Electric Arc Furnace (RHF-EAF) Steelmaking Process	Contributory	17:00 - 17:15
S3-C2	Dr. Ravindra Aglave	SIEMENS Digital Ind Software, INDIA	Deploying Simulation-based Engineering for Process Optimization and Enhanced profitability	Contributory	17:15 - 17:30
S3-C3	Mr. Enrico Plazzogna	Danieli Automation S.p.A, ITALY	Continuous Casting Machine Upgrades in the Era of Intelligent Manufacturing	Contributory	17:30 - 17:45
Additional time for chairman (Introduction + Sum up)					17:45 - 17:50

<b>Dinner</b>	<b>19:00 Onwards</b>	<b>Venue: SNTI Lawn</b>
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<b>Date: 7th February 2020, Friday</b>	<b>Venue: Hotel ALCOR</b>
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<b>Technical Session 4</b>	<b>09:00 - 10:55</b>
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Sr. no.	Speaker	Affiliation	Paper Title	Invited / Contributory	Duration
S4-K1	Mr. Ravindra V Sangwai	Tata Steel Kalinganagar, INDIA	Sustainable Continuous Casting Technology and Practices in Changing Scenario at TATA Steel Kalinganagar	Invited	09:00 - 09:25
S4-K2	Dr. Joydeep Sengupta	ArcelorMittal Global R&D, CANADA	New MXRF Technique Enables Digitalization of Evaluation Procedures for Centreline Segregation in Cast Products	Invited	09:25 - 09:50
S4-C1	Mr. Soorya Prakash J	JSW Ltd, Salem, INDIA	Recommendations for Optimum Argon Shrouding Practice	Contributory	09:50 - 10:05
S4-C2	Mr. Koushik Ray	DSP, SAIL, Durgapur, INDIA	Analysis of Mold Tube Distortion in Steel Continuous Casting	Contributory	10:05 - 10:20
S4-C3	Mr. Santosh Chacko	Lechler India Pvt Ltd., INDIA	Consequent Secondary Cooling System Optimization Results in Productivity Increase at TATA Steel Jamshedpur LD2 Slab Casters	Contributory	10:20 - 10:35
S4-C4	Mr. Ravi Ranjan	Tata Steel, Jamshedpur, INDIA	Auto Pilot Mode: An Innovative Approach for High Speed Thin Slab Continuous Casting	Contributory	10:35 - 10:50
Additional time for chairman (Introduction + Sum up)					10:50 - 10:55

<b>Tea Break</b>	<b>10:55 - 11:10</b>
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<b>Technical Session 5</b>	<b>11:10 - 13:00</b>
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Sr. no.	Speaker	Affiliation	Paper Title	Invited / Contributory	Duration
S5-K1	Mr. Prabhat Kumar Ghorui	JSW Steel Ltd., INDIA	Steel Making Waste and By-product Management and Pollution Control Technologies in Steel Making Area	Invited	11:10 - 11:35
S5-K2	Prof. Somnath Basu	IIT Bombay, INDIA	Use of Granulated BOF Slag as a Medium for Remediation of Arsenic-contaminated Water	Invited	11:35 - 12:00
S5-C1	Mr. Peter Unwin	AMETEK, Land, UK	Infrared Solutions for Sustainable Steelmaking	Contributory	12:00 - 12:15
S5-C2	Mr. Saroj Banerjee	Tata Steel BSL, INDIA	Sustainability Initiatives in Steelmaking at Tata Steel BSL	Contributory	12:15 - 12:30
S5-C3	Mr. Shreyas Puttige	Tata Steel, Jamshedpur, INDIA	Study and Prevention of Cracking due to Surface Hot Shortness in Copper Bearing Grades	Contributory	12:30 - 12:45
S5-C4	Mr. Antariksh Gupta	RDCIS, Ranchi, INDIA	Slag Entrainment Study in Steelmaking Tundish using Physical and Mathematical Models	Contributory	12:45 - 13:00
Additional time for chairman (Introduction + Sum up)					13:00 - 13:05

<b>Lunch Break</b>	<b>13:05 - 14:00</b>	<b>Venue: Hotel ALCOR</b>
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Technical Session 6			14:05 - 15:50		
Sr. no.	Speaker	Affiliation	Paper Title	Invited / Contributory	Duration
S6-K1	Prof. Kinnor Chattopadhyay	Univ. of Toronto, CANADA	Machine Learning Applications in the Iron and Steel Industry with Specific Emphasis on Desulphurization, Dephosphorization and Scrap Yard Management	Invited	14:05 - 14:30
S6-C1	Prof. Niloy Nath	JSPM RS College of Engg, Pune, INDIA	Real Time Model for Flow and Temperature Control in Tundish by using Combination of Reactor Models and Validated by CFD Simulation	Contributory	14:30 - 14:45
S6-C2	Mr. Keshav K. Gaur	SMS India Pvt Ltd, INDIA	Rendering Steelmaking & Casting Plants Industry 4.0 Ready with Innovative Automation and Performance Upgrades, Digitalization and Artificial Intelligence	Contributory	14:45 - 15:00
S6-C3	Mr. Satish Agarwal	Tata Steel Ltd, Jamshedpur, INDIA	Turndown Phosphorous Prediction Model for BOF Steelmaking Process using Machine Learning Algorithm	Contributory	15:00 - 15:15
S6-C4	Mr. Pranab Das	Vesuvius, INDIA	Adoption of Laser Scanning and DVM Feeding Mechanization Technique towards Operational Excellence in Steelmaking Shop No 3 at Tata Steel	Contributory	15:15 - 15:30
S6-C5	Mr. Ashok Kamaraj	CSIR-NML, Jamshedpur, INDIA	Physical Simulation of In-mould Phenomena during Continuous Casting Process	Contributory	15:30 - 15:45
Additional time for chairman (Introduction + Sum up)					15:45 - 15:50

Tea Break			15:50 - 16:05		
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Technical Session 7			16:05 - 17:20		
Sr. no.	Speaker	Affiliation	Paper Title	Invited / Contributory	Duration
S7-K1	Mr. Pashupati Gopalan	SunEdison Infra Ltd, Chennai, INDIA	Potential Sustainable Energy Practices and Scope of Clean Technologies in Steel Making.	Invited	16:05 - 16:30
S7-C1	Dr. S. Chatterjee	Tata Steel Jamshedpur, INDIA	Dust to Dollar: Valorisation of Steel Making Slag	Contributory	16:30 - 16:45
S7-C2	Ms. Neha Kumari Agarwal	Tata Steel Jamshedpur, INDIA	Novel Molecular Integrated Process Model for Biomethane Upgradation by CO <sub>2</sub> capture with Monoethanolamine	Contributory	16:45 - 17:00
S7-C3	Mr. Samagra Kumar	Tata Steel Jamshedpur, INDIA	Online Property Prediction of Hot rolled coils during Slab Casting Stage from Steel Chemistry and Rolling Parameters	Contributory	17:00 - 17:15
Additional time for chairman (Introduction + Sum up)					17:15 - 17:20

Valedictory Session			17:20 - 17:35		
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