



ACCT 2018

International Conference on

ADVANCES IN COAL & COKEMAKING TECHNOLOGY

Theme: Challenges & Opportunities in Coal Mining & Coke Making Technology

September 29-30, Ispat Bhawan, SAIL, Ranchi, India

PROGRAMME SCHEDULE

Organized by



IIM

Metallurgy
Materials Engineering

**The Indian Institute of Metals
Ranchi Chapter**

INAUGURAL PROGRAMME

29th September 2018 (09.30 - 11.30 AM)

Arrival of Chief Guest, Shri Atul Bhatt, CMD, MECON LTD.

09:30 – 09:35	Presentation of Flower Bouquets to Dignitaries
09:35 – 09:40	Lighting of Lamp
09:40 – 09:50	Invocation Songs
09:50 – 09:55	Welcome Address by Co-Chairman, Organizing Committee
09:55 – 10:00	Opening Remarks by Chairman, IIM, Ranchi Chapter
10:00 – 10:15	Addresses by Guests of Honor
10:15 – 10:25	Inaugural Address by Chief Guest
10:25 – 10:30	Release of Souvenir
10:30 – 10:50	Key Note Address Speaker: Dr. Thonangi Gouri Charan, Chief Scientist, CSIR-CIMFR, Dhanbad
10:50 – 10:55	Felicitation of Dignitaries
10:55 – 11:00	Vote of Thanks by Organizing Secretary
11:00 – 11:05	Rendition of National Anthem
11:05 – 11:15	Inauguration of Technical Exhibition and Poster Display
11:15 – 11:30	Inaugural Tea

MANUFACTURER'S PRESENTATION

29th September 2018 (11.30 - 14.00), RDCIS Auditorium

Sl. No.	Title	Authors/Affiliation(s)	Time Duration
1	Invited Lecture	SK Halder	11.30 - 11.50
MP 1	Manufacturer's Presentation	ACRE, China	11.50 - 12.10
MP 2	Manufacturer's Presentation	HUDE, GMBH	12.10 - 12.30
MP 3	Manufacturer's Presentation	Verder Scientific	12.30 - 12.50
MP 4	Manufacturer's Presentation	Lotus Wireless	12.50 - 13.10
MP 5	Manufacturer's Presentation	Thyssenkruppe, Germany	13.10 - 13.30
MP 6	Manufacturer's Presentation	Paul Wurth	13.30 - 13.45
MP 7	Manufacturer's Presentation	Thejo Engineering	13.45 - 14.00

14.00 - 14.40 : Lunch

14.40 - 15.00 : Visit to Technical & Poster Exhibition

TECHNICAL SESSION - IA : Coke Oven Battery Operational Efficiency

29th September 2018 (15.00 - 16.30), 5th Floor Committee Room

Sl. No.	Title	Affiliation(s)	Authors
IA - 01	Enhancement of Coke Oven Batteries Life and Operational Efficiency at Vizag Steel Plant	RINL	A K Singh, A Sur, A V A Ramaseshu
1A - 02	Improved controls through centralised control system at COB #3#4, of Coke Ovens, Bokaro Steel Plant	RDCIS	RS Kumar, S Mitra, Manish Madhav & Chandan Kumar
1A - 03	Modified Auto Reversal-Cut off system due to Main Linkage Failure	BSP	Subhashish Nandi & Tarun Sachan
1A - 04	Modification in heating system of coke oven	JSW, Dolvi	Mallineni Sukumar
1A - 05	Enhancement of battery life & operation efficiency	MECON	PK Singh, UK Dey, & R Goswami
1A - 06	Research, Development & Application of clean vertical heat recovery coke oven technology of SDM	SDM, China	Li Guanghui & Zhang Cunhao

TECHNICAL SESSION - IB : Coal Preparation & Pre-Carbonisation Technology**29th September 2018 (15.00 - 16.30), 5th Floor Seminar Hall**

Sl. No.	Title	Affiliation(s)	Authors
IB - 01	Prediction of Significance of Operational Parameters in Solid-Liquid Fluidization of Coal Fines using Taguchi Analysis	IIT, Dhanbad	Ajita Kumar, Alok Tripathy, Venugopal Rayasam
1B - 02	Enhancement of the productivity of coke oven & improvement of coke quality utilizing stamp-charging technique using Indian medium coking coal and washery rejects	CIMFR	G.K. Bayen, Rajiv Ranjan, T. K. Paramanik, Manish Kumar & T. Gouri Charan
1B - 03	Growth of Stamp-charging Technology for Coke Making in India & the Benefits for the Steel Industry	Bhusan Steel, Angul	Virendra Singh, Pushendra Kumar
1B - 04	Retrofitting and restructuring of steel corroded areas in thermal power plants and coke oven plants using anticorrosive reinforced plastic (FRP) composite layers	New Era Polycet Engg./SAIL	Dr. N. R. Bose & Siddhartha Roy Chowdhury
1B - 05	A Comparative Study of Top and Stamp Charge Coke Quality	RDCIS	P K Jha, P K Pankaj, B K Sahoo, Bablu Ghosh, Anup Kumar, O S Niyogi, R Srivastava, K K Manjhi & S K Kushwaha
1B - 06	Ecological Coal Mining and Clean Utilization Technology : Review	NIT, Durgapur	Hrishikesh Kumar

TECHNICAL SESSION - IIA : Coke Oven Life Enhancement**29th September 2018 (16.45 - 18.15), 5th Floor Committee Room**

2A - 01	Recent developments in silica bricks to enhance coke oven life & operational efficiency	Dalmia-OCL	Shubhrajyoti Dey, S C Swain, B Prasad, Ingo Gruber
2A - 02	Repairs of Coke Oven Batteries-Some Salient Features	BSP	Ramu Ranjan Meher & Gur Saran Singh
2A - 03	Innovative Refractories for Non Recovery Heat Recovery Coke Ovens	Natasha Ceramic & Consultancy Services	S. N. Laha
2A - 04	Dynamics of Development Work for Quality Gunning/Patching Compound for Hot Repair of Coke Oven Walls	Natasha Ceramic & Consultancy Services	Ajay Kumar Dasgupta & Swarup Chand Mukhopadhyay
2A - 05	Emerging technology for beneficiation of low grade medium coking coal	MECON	R Prasad, T Muthu Vinaygam & Sanjay Kumar

2A - 06	Cold galvanized water based zinc-rich-geopolymeric silicate coating (WBZRGSC) for corrosion protection of steel structures	Surya Engineering /SAIL	Dr. N. R. Bose, Soumitra De & Siddhartha Roy Chowdhury
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TECHNICAL SESSION - IIB : Coke, Quality & Coal Chemicals

29th September 2018 (16.45 - 18.15), 5th Floor Seminar Hall

2B - 01	Selection of coals for coal blend optimization is an important area to improve coke quality: A case study on RSP	RSP	B. Pattanaik, S. Turkey, V Chourasia S Misra & N Samal
2B - 02	Effect of coal properties on carbonization behavior & coke quality for BF Coke Making	RDCIS	B. Ghosh, B. K. Sahoo, K. K. Manjhi, P. K. Pankaj, S. K. Kushwaha, P. K. Jha N. Chakravarty, S. K. Das B. Chakraborty,
2B - 03	Improvements in Coal Charging System in Conventional Type Top Charging in Battery No.5	RDCIS	K Madhav, B K Sahoo, M Seenapati, P K Jha P K Pankaj & Etal
2B - 04	Improving benzol recovery & reducing equipment downtime	BSP	T Umashankar
2B - 05	Problem of Tar Sludge Accumulation in Tar Storage Tanks of By-Product for Battery No.11 at ISP, Burnpur, SAIL	CET	Sharad Chandra Chaudhary, Suresh Vechalapu
2B - 06	Effect of Coal Blend Granulometry and Coking Period on Coke Quality.	RDCIS	Anup Kumar, P.K. Pankaj, S.K. Kushwaha, Rahul Srivastava, K.K. Manjhi & S.K. Das

19.30 - 22.30 : Cultural Programme & Dinner
Venue : Samudayik Bhawan, SAIL Satellite Township

TECHNICAL SESSION - III : Automation in Coke Oven & Eco-Friendly Coke Making

30th September 2018 (09.00 - 10.30), RDCIS Auditorium

3 - 01	Oven-to-Oven Signaling Through Infrared Sensors	BSP	OP Sharma, AVR Murthy, SK Deo, S K Pillai
3 - 02	Variable Heating Pause Time Control based Computerized Coke Oven Heating Control System for Coke Oven Battery #5, DSP	RDCIS	S. Mitra, A. Kumar, B. Chakraborty, A. K. Jha, D. Raj, M. Gangadaran, V. Kumar & B Prasad
3 - 03	Improvements in Coal Charging System in Conventional Type Top Charging in Battery No.5	DSP	Debabrata Sarkar, Bhasker Prasad & S Das Purkayastha

3 - 04	Advances in Control of Heating System in By-product Recovery Coke Ovens: Tata Steel's Experience	Tata Steel	Rajeev Ranjan, Ranjan Kumar Singh, Prakhar Mishra, Arbind Kumar, Abhishek Kumar, & Debjani Aditya
3 - 05	Case study on coke oven effluent recycle and ZLD	SUEZ	VD Babu
3 - 06	Establishing wireless communication between loco bucket - loco plc - CDQ PLC	JSW, Bellari	Siddling Reddy & Bheemasena

10.45 - 11.15 Key Note Speech by N C Jha

TECHNICAL SESSION - IV : Automation in coke oven & Eco-Friendly Coke Making

30th September 2018 (11.15 - 12.00), RDCIS Auditorium

4 - 01	Dry Quenching of Coke and its Significance in SAIL	CET	Arun Gopinath, Jyoti Dayal & K.P.Jayakumar
4 - 02	Installation of Stamp Charged Battery in SAIL	CET	Salil Bhattacharjee, R. K. Barman & K.P.Jayakumar
4 - 03	Effects of Membrane Processes on Quality Improvement of Biologically Treated Coke Oven Effluent Water for Recycling	RDCIS	Sagnik Sen

12. 00 - 12.15 : Visit to Exhibition Stall

12.15 - 13.15 : Valedictory Session

13.15 - 13.30 : Vote of Thanks

13.30 : Lunch

Important Contact Persons - ACCT 2018

1. Organizing Committee	- S T Selvam	(8986880039)
2. Registration	- Amitava Paul	(8986880326)
3. Technical	- Basudev Chakraborty	(8986880066)
4. Finance	- S C Sarkar	(9430139775)
5. Venue	- S Joardar	(8986880471)
6. Hospitality	- Salil Bhattacharjee	(8986880508)
7. Cultural	- S Parida	(8986880034)
8. Souvenir & Media Publicity	- S S Das	(8986880252)
9. Transport & Accommodation	- K K Keshari	(8986880209)