



XIX INTERNATIONAL COAL PREPARATION CONGRESS & EXPO 2019
INDIA HABITAT CENTRE, NEW DELHI



Organiser



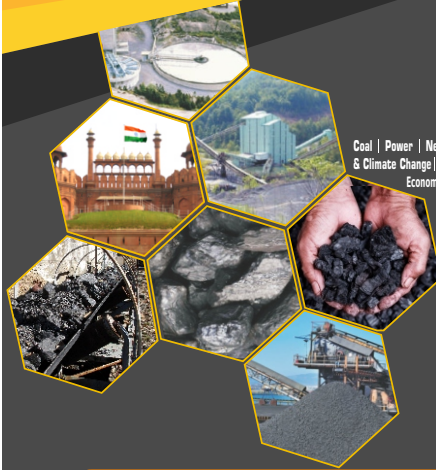
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GOVERNMENT OF INDIA



PROGRAMME-CUM-AGENDA

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OUR ASSOCIATES



Federation of Indian Mineral Industries



About International Coal Preparation Congress (ICPC)

The International Coal Preparation Congress (ICPC) was an offshoot of the Allied Coal Commission which was constituted as part of the Marshall Plan post World War II to initiate the process of reconstruction of Europe. The first ICPC was held in 1950 in France and subsequent Congresses were held in Germany, Belgium, UK, USA, Poland, Australia, Ukraine, Russia, India, Canada, Japan, South Africa, Turkey and China. ICPC is now held every three years in a country selected by the IOC through ballot.

The International Organizing Committee (IOC) of the ICPC is a body which has representatives from 15 countries. Representation on IOC is by a non-government organization which deals in their respective country with the issues relating to coal preparation.

The goals of the ICPC inter alia, are:

- to ensure the growth and development of the coal preparation industry, support and promotion of scientific and technical cooperation among all countries;
- to facilitate the exchange of information about the state-of-art technologies in the field of coal mining, preparation and transportation of coal. Also promote new and emerging technologies in the area of environment friendly and low emission coal utilisation.
- to bring together experts from different countries in order to form professional contacts, exchange experimental results, and promote international cooperation.

History of International Coal Preparation Congress

- I.  1950 - France, Paris
- II.  1954 - Germany, Essen
- III.  1958 - Belgium, Liege
- IV.  1962 - UK, Harrogate
- V.  1966 - USA, Pittsburgh
- VI.  1973 - France, Paris
- VII.  1976 - Australia, Sydney
- VIII.  1979 - Ukraine, Donetsk
- IX.  1982 - India, New Delhi
- X.  1986 - Canada, Edmonton
- XI.  1990 - Japan, Tokyo
- XII.  1994 - Poland, Krakow
- XIII.  1998 - Australia, Brisbane
- XIV.  2002 - Republic of South Africa, Johannesburg
- XV.  2006 - Peoples Republic of China, Beijing
- XVI.  2010 - USA, Lexington
- XVII.  2013 - Turkey, Istanbul
- XVIII.  2016 - Russian Federation, St. Petersburg
- XIX.  2019 - India, New Delhi (13-15 November, 2019)

ABOUT COAL PREPARATION SOCIETY OF INDIA (CPSI)

Representing India's commitment to use of Clean Coal to the world, Coal Preparation Society of India (CPSI) is a not-for-profit, non-government professional body of coal, power, iron and steel sectors and their allied industries. CPSI's mission is to promote washing of high ash domestic coal to improve its quality and enhance the calorific value, making it more environment friendly and suitable for use in High Efficiency Low Emission (HELE) power generating systems as well as for gasification and conversion into chemicals, CTL and other high value petroleum substitutes. It will therefore be a step, which will facilitate fulfilling the country's commitment made at the Paris Climate Treaty.

Main Objectives of CPSI inter alia are:

- To facilitate policy formulation in coal beneficiation and preparation;
- To provide an effective network amongst coal producers, consumers, R & D organisations etc;
- To provide an independent platform for deliberating technological, operational, financial, commercial and policy aspects of the Indian Coal Preparation Industry.
- To promote and encourage exchange of technical information relevant to Indian coal industry.
- Meeting India's commitment to Climate Change Treaty

CPSI is registered under the Societies Registration Act, XXI of 1860 and its head office is located in New Delhi. CPSI is a member of the International Organizing Committee (IOC) of the International Coal Preparation Congress (ICPC). CPSI is a member of IOC representing India.

Domestic and Global Network:

CPSI is an Associate Member of the World Coal Association - a global industry association formed of major international coal producers and stakeholders and has bilateral relationship with IEA Clean Coal Centre, UK for promoting clean coal technologies for use in High Efficiency Low Emission (HELE) power generating systems.

CPSI has bilateral arrangements with China National Coal Association (CNCA), Coal Preparation Society of Ukraine and similar organisations of other IOC member countries for technical knowledge sharing and exchange of experts and trainees.

CPSI is a Member of ASSOCHAM and also an Associate Member of the PHD Chamber of Commerce and Industry.

Major industry bodies like Federation of Indian Mineral Industries (FIMI), Sponge Iron Manufacturers Association (SIMA), Association of Power Producers (APP), ASSOCHAM of India, World Coal Association (WCA), IEA Clean Coal Centre (UK) are associating and supporting CPSI's efforts towards cleaning of coal and introduction of clean coal technologies so that India can meet its emissions reduction target committed at Paris Climate Treaty.

XIX International Coal Preparation Congress (ICPC)

New Delhi - India
13-15 November, 2019

Programme-CUM-AGENDA

INAUGURAL SESSION (0930 - 1130 hrs)

(Venue : Stein Auditorium)

0745 hrs : Registration

0930-1130 hrs : Inaugural Session

- Arrival of the Chief Guest **Shri Pralhad Joshi**, Hon'ble Union Minister for Coal, Mines & Parliamentary Affairs.
- Introduction of IOC Members to the Chief Guest.
- Welcoming the participants by **Shri Alok Perti**, Chairman, National Organising Committee.
- Presentation of flower bouquets to Dignitaries at the dais.
- Global overview by **Mr. Andrew Swanson**, Australian Coal Preparation Society
- India Presentation by **Shri R K Sachdev**, Chairman, International Organising Committee.
- Special addresses by invited VIPs :
 - **Shri Binoy Kumar**, Secretary, Ministry of Steel.
 - Secretary, Ministry of Power.
 - **Shri C K Mishra**, Secretary, Ministry of Environment, Forest and Climate Change.
 - **Shri Anil Kumar Jain**, Secretary, Ministry of Coal.
- Introduction of the **Chief Guest**.
- Release of Conference Proceedings by the **Chief Guest**.
- Inaugural address by the **Chief Guest**.
- Vote of thanks
- Inauguration of Exhibition by the **Chief Guest**.

1130-1200 hrs : Tea / Coffee break

DAY 1 : 13TH NOVEMBER, 2019

(Venue : Stein Auditorium)

SESSION - 1A (1200 - 1330 hrs)

Topic : Coal Resources and Industry Overview

Chair : Anil Kumar Jha, Chairman, CIL, India.

Co-Chair: Michelle Manook, CEO, World Coal Association, UK.

- Topics** : 1. **The Economic Value of Coal**
Paul Baruya - IEA Clean Coal Centre, UK
2. **The Status and Development Of Coal Preparation and Processing In China**
Zhang Shaoqiang, Coal Preparation Branch, China National Coal Association, China
3. **Coal Policy in an Era of Renewables**
Jitendra Roychudhury – King Abdullah Petroleum Studies & Research Centre, Saudi Arabia
4. **Russian coal industry: innovations and perspectives**
V. Litvinenko et al. - Saint Petersburg Mining University, Russia; Freiberg Mining Academy, Germany
5. **Coal mining and coal preparation in Vietnam**
Waldemar Mijal et al. - AGH University of Science and Technology, Poland.

Lunch Break (1330 – 1430 hrs)

DAY 1 : 13TH NOVEMBER, 2019

(Venue : Silver Oak Hall)

SESSION - 1B (1200-1330 hrs)

Topic : Coal Preparation Plant Design / New Adaptations

Chair : Surendra Jain, USA

Co-Chair: H L Sapru, Monnet, India.

- Topics** : 1. **When to blend raw coal with clean coal from full-wash thermal coal preparation plants? - Case Studies from Indian and US Coals**
Swadhin Saurabh et al. – FLSmidth, USA.
2. **Recommended practices for design and engineering of heavy media based coal preparation plants**
Anath Bandhu Chatterjee et al. - Adani Enterprises Ltd., India
3. **Mongolia's First Gravity Fed 3- Product Heavy Medium Cyclone Coal Washing Plant**
Davaatseren. G, Bazarragchaa et al. - Mongolyn Alt (MAK) LLC, Mongolia
4. **What efficiency parameters are crucial to washery operations?**
Matthew Swanson et al. - QCC Resources Pty Ltd, Australia
5. **The Intelligent Coal Preparation Plant**
Michael O'Brien et al. - Queensland Centre for Advanced Technologies, Australia

Lunch Break (1330 – 1430 hrs)

DAY 1 : 13TH NOVEMBER, 2019

(Venue : Stein Auditorium)

SESSION - 2A (1430 - 1600 hrs)

Topic : Coking Coal Processing - Problems and Challenges

Chair : PM Prasad, Bharat Coking Coal Ltd, India

Co-Chair: Atul Bhatnagar, Tata Steel, India

- Topics** :
- 1. The study and modelling of coals and cokes behaviour with applying thermal analysis technique**
Felix Yu. Sharikov et al. - Saint Petersburg Mining University, Russia
 - 2. A study of the effects of thermal shocks on liberation characteristics of high coal ash particles**
Soni Jaiswal et al. - Tata Steel Ltd., India
 - 3. Thermal enrichment of high-volatile coals**
Dr. Sergey Islamov - Coal Mining Company SUEK, Russia
 - 4. Characterisation, beneficiation and carbonization studies of low volatile high rank coals and high volatile low rank coals of Damodar Valley Basin: Resource identification for augmentation of indigenous coking coal.**
Zeba Imam et al. – CMPDI, India
 - 5. Beneficiation and Carbonization Studies of Low Volatile Coking Coals of Jharia for Metallurgical Uses**
T Gouri Charan et al. - CSIR, India

Tea / Coffee Break (1600 – 1630 hrs)

DAY 1 : 13TH NOVEMBER, 2019

(Venue : Silver Oak Hall)

SESSION - 2 B (1430-1600 hrs)

Topic : Coal Preparation Plant design / New adaptations

Chair : Gurudas Mustafi, CEO, Allmineral Asia, India

Co-Chair: Andrew Swanson, Australia

- Topics** :
- 1. Optimisation of Dense Medium Separator Performance**
Wood C.J et al - Partition Enterprises Pty Ltd., Australia
 - 2. Re-commissioning of Densifiers at Export Plant**
Vutomi Shikwambana et al. - South 32, South Africa
 - 3. A Dynamic Simulation Model for a Single Stage Dense Medium Cyclone Circuit**
Nerrida Scott et al. Australia
 - 4. Overview of prospective coal processing technologies**
Vladimir Yu. Bazhin - Saint Petersburg Mining University, Russia
 - 5. Beneficiation Strategies for Indian Coals**
H L Sapru - Monnet Group, India

Tea / Coffee Break (1600 – 1630 hrs)

DAY 1 : 13TH NOVEMBER, 2019

(Venue : Stein Auditorium)

SESSION - 3A (1630-1800 hrs)

Topic : Coking Coal Processing - Problems / Challenges

Chair : Anil Kumar Chaudhary, Chairman, SAIL, India

Co-Chair: Dr. Hardarshan Valia, USA

Topics : 1. **Coking Coal's Journey from ground to Blast Furnace**

Dr. Hardarshan S. Valia - Coal Science, USA

2. **Washing of coking coal a sustainable business**

Swarup Kumar Dutta et al. - Bharat Coking Coal, India

3. **Assessment of Technical Feasibility of Washing Low Grade Coking Coals (W-IV/LVMC) to 13% Ash Content**

Abha Prasad et al. – CMPDI, India

4. **Improving the Quality of Blend Components for Coking at the CPP Using Special Mineral Additives and Semicoking Method**

Kozlov V.A, Garber W. - Coraline Engineering, Russia; FTT-Ing.-Büro Feuerungs, Germany

5. **Re-Classification of Indian Coking Coal**

Jayant Prasad et al. – CMPDI, India

Cocktail & Dinner (1830 hrs)

DAY 1 : 13TH NOVEMBER, 2019

(Venue : Silver Oak Hall)

SESSION - 3B (1630 - 1800 hrs)

Topic : Deep Coal Processing, Gravity Concentration

Chair : T Gouricharan, CIMFR, India

Co-Chair: Vladimir Yu. Bazhin, Russia

Topics : 1. **Low-grade coal as a precursor for preparation of value-added products for high-end use**

Binoy K. Saikia et al. - North East Institute of Science and Technology, India

2. **Computation of Coefficients of Separation Products Size Grading in the Process of Preparation of Run-of-Mine Coal Machine Grades**

D.O. Polulyakh et al. - National TU «Dnipro Polytechnic», Ukraine

3. **Ash in Coal - A source for REE?**

Claus C. Bachmann - J&C Bachmann GmbH, Germany

4. **On the desirability of abandoning the use of imperfection as an indicator of the effectiveness of gravity separation. (Co author will present)**

Stanislaw Głowiak et al - AGH University of Science and Technology, Poland

5. **Technological characteristics of coal concentration under the conditions of ever-changing raw material resources base**

O. Yehurnov, A. Polulyakh - ANA-TEMS LLC, Ukraine; Dnipro, Society of the Ukrainian Mineral Engineers, Ukraine Engineers, Ukraine

Cocktail & Dinner (1830 hrs)

DAY 2 : 14TH NOVEMBER, 2019

(Venue : Stein Auditorium)

SESSION - 4A (0930 - 1100 hrs)

Topic : Crushing, Grinding, Sizing & Screening

Chair : BV Sudhir Kumar, Tata Steel, India

Co-Chair: Ken Tucky, Multotec, South Africa

- Topics** :
- 1. Screens as devices for grain classification and dewatering.**
Barbara Tora - AGH University of Science and Technology, Poland
 - 2. Dry vibration screening of coal and semicoke**
Leonid Vaisberg et al. - Mechanobr-Tekhnika, Russia
 - 3. The kinetic analysis of the key components of the centralized-driven flip-flow screen**
Chusheng Liu - China University of Mining & Technology, China
 - 4. Two Mass Screens – A Productivity Game-Changer**
Vince Sunter - iPUT Technologies, Australia
 - 5. Meeting the challenge of coal & limestone preparation at coal based power plant through Liwell® screens**
Partha Banik et al. - Hein Lehmann India.

Tea/Coffee Break (1100 – 1130 hrs)

DAY 2 : 14TH NOVEMBER, 2019

(Venue : Silver Oak Hall)

SESSION - 4B (0930 - 1100 hrs)

Topic : Deep Coal Processing, Gravity Concentration

Chair : Swadhin Saurabh, FLSmidth, USA

Co-Chair: Prof. Nikkam Suresh, IIT/ISM, India

- Topics** :
- 1. Ultra Low Specific Gravity Dense Medium Cyclone Separation for Production of very Low Ash “Supercoal” Products**
David Woodruff et al - FLSmidth UK Ltd., UK
 - 2. Development of a Low Specific Gravity Cutpoint Spiral**
Faan Bornman et al. - Moltotec, South Africa
 - 3. Use of Washed Thermal Coals for Power Generation in India - Status and Issues**
D.N. Prasad – SCCL, India
 - 4. Comparison of heavy medium consumptions between raw coal desliming and non-desliming processes**
Shuyan Zhao, Beijing Guohua Technology Group (GT Global), China
 - 5. New Rotary Breaker device to improve its efficiency**
D.G. Bharathi - CSIR-CLRI, India

Tea/Coffee Break (1100 – 1130 hrs)

DAY 2 : 14TH NOVEMBER, 2019

(Venue : Stein Auditorium)

SESSION - 5A (1130 - 1300 hrs)

Topic : Miscellaneous plant, Drying/Dewatering

Chair : DN Prasad, SCCL, India

Co-Chair: Leonid Vaiseberg, Russia

- Topics** :
- 1. Environmental aspects of decommissioning of a coal industry enterprises**
O. Yehurnov et al. - ANA-TEMS LLC, Ukraine; Institute for Physics of Mining
 - 2. Development of an energy-efficient and wear-reduced hydraulic piston press for coal briquetting**
Andre Schmidt et al. - TU Bergakademie Freiberg, Institute of Thermal-, Environmental and Resources' Process Engineering (ITUN), Germany
 - 3. Mechanism of Drying Coal Fines By Means of Contact Sorption**
Marco le Roux et al. - North-West University, South Africa
 - 4. CHRONOS Short-Cycle Non-Thermal Drying Process**
Elena N. Chernysheva, Russia Vadim A.Kozlov - Coralina Engineering LLC,
 - 5. How far do you have to go - Filtration makes the difference Pressure Filtration and Steam Pressure Filtration of Coal Flotation Concentrates**
Juergen Hahn - BOKELA GmbH, Germany

Lunch Break (1300 – 1430 hrs)

DAY 2 : 14TH NOVEMBER, 2019

(Venue : Silver Oak Hall)

SESSION - 5B (1130 - 1300 hrs)

Topic : Dry Coal Separation

Chair : Sandeep Jajodia, Monnet Group, India.

Co-Chair: Quentin Campbell, South Africa

- Topics** :
- 1. The Process Flowsheet Design to Maximize Pyrite Rejection and Enhance Coal Heating Value Using Dry Beneficiation Technology**
Yunkai Xia, Gongmin Li - TangShan ShenZhou Manufacturing Co. China
 - 2. Upgradation of Coal by Dry Deshaling**
Pradip Kr Baranwal et al. – CMPDI, India
 - 3. Dry Deshaling - Expanding Options for Cleaning Coal**
Dr. G.V. Ramana - Ardee Hitech, India
 - 4. Study of Dry Coal Beneficiation in an Air Pulsated Stratifier**
Abhishek Kumar et al.- CSIR, India
 - 5. Dry Cleaning of High Ash Indian Thermal Coal Using Fluidization based Vibrating Deck**
Shobhana Dey et al.- CSIR, India

Lunch Break (1300 – 1430 hrs)

DAY 2 : 14TH NOVEMBER, 2019

(Venue : Stein Auditorium)

SESSION - 6A (1400 - 1530 hrs)

Topic : Fine Coal Treatment, Flotation and Dewatering

Chair : R R Mishra, CMD, WCL, India

Co-Chair: David Power, South Africa

- Topics** :
- 1. To Improve Flotation Of Low Grade Coal With Flotation Modifier**
Ashutosh Kumar Pandey et al. - Tata Steel Ltd. India, Nalco, India
 - 2. Beneficiation of High Ash Coking Coal Fines Using Column Flotation with New External Sparger**
Prasad Kopparthi et al. - Tata Steel Ltd., India
 - 3. A Case Study on Effect of Water Quality on Froth Flotation performance in Coal Washery**
B.S. Tiwari et al. - Tata Steel Ltd., India
 - 4. Study on Bubble Formation Mechanism and Flotation Experiment of Jet-mixing Flotation Unit**
Zhou Wei - Anhui University of Science & Technology, China
 - 5. Improving coking coal availability using hydrophobic hydrophilic separation technology for Indian coals**
R.B. Mathur et al. - Minerals Refining India Pvt. Ltd., India

Tea/Coffee Break (1530 – 1600 hrs)

DAY 2 : 14TH NOVEMBER, 2019

(Venue : Silver Oak Hall)

SESSION - 6B (1400 - 1530 hrs)

Topic : Dry Coal Separation

Chair : R K Sachdev, CPSI, India

Co-Chair: Ireneusz Baic, Poland

- Topics** :
- 1. Enrichment of small grain classes - laboratory scale**
Waldemar Mijał, Barbara Tora - AGH University of Science and Technology, Poland
 - 2. Economic efficiency of the dry coal separation process - Polish experience**
Gabriel Buchalik et al - Warkop Sp. z o.o, Poland; Institute of Mechanised Construction & Rock Mining, Poland
 - 3. Dry beneficiation of small South African coal using an air dense medium fluidization bed**
ES Peters et al - North-West University, South Africa
 - 4. Advantages of utilizing Dry Jigging and X Ray Sorting Technology for Coal Beneficiation in India**
E Oren et. al – Allmineral Aufbereitungstechnik GmbH & Co, Germany
 - 5. Latest Developments and Experiences in the Beneficiation of Coal using TOMRA X-Ray Transmission Sorting Machines**
Jens-Michael Bergmann - TOMRA Sorting GmbH, Germany

Tea/Coffee Break (1530 – 1600 hrs)

DAY 2 : 14TH NOVEMBER, 2019

(Venue : Stein Auditorium)

SESSION - 7A (1600 - 1730 hrs)

Topic : Fine Coal Treatment, Flotation and Dewatering

Chair : TBD

Co-Chair: Evren Oren, Allmineral Asia, Germany

- Topics** :
- 1. Release Analysis of Low Volatile of Coking Coal Fines**
Divya Jyoti – IIT, Delhi, India
 - 2. Structural Optimization and Experimental Study of Jet-mixing Apparatus Based on CFD**
Wei Zhou et al. - Anhui University of Science and Technology, China
 - 3. Creation of flotation machines based on research patterns of coal pulp aeration**
Antipenko Lina Alexandrivna - LLC Sibniugleobogashchenie, Russia
 - 4. Characteristics and mechanism research on hydrophobic aggregation of kaolinite particles**
CHEN Jun - Anhui University of Science and Technology, China
 - 5. Mechanical Flotation Machines For The Oxidized Coal Slurry Treatment**
Jeremejev I.V. et al. - OP «Ukrniugleobogashchenie», Ukraine

Gala Dinner (1830 hrs)

DAY 2 : 14TH NOVEMBER, 2019

(Venue : Silver Oak Hall)

SESSION - 7B (1600 - 1730 hrs)

Topic : Dry Cleaning

Chair : Vinay Prakash, Adani Ltd., India

Co-Chair: Marco le Roux, South Africa

- Topics** :
- 1. Research, Development and Application of TDS in Coal Preparation Industry in China**
Shaolei Zhou, DADI Engineering Development Group Corporation, China
 - 2. Simulation of a horizontal flow coal winnower**
Quentin Campbell et al - North-West University, South Africa
 - 3. Recovery of Clean Coal from 300 – 0 mm High Ash Dirty Coal using both Gamma Rays and ZM Dry Separator at Dafeng Coal Mine**
Yunkai Xia et al. Tangshang Shenzhou Mfg. Co. Ltd, China
 - 4. Combination of wet and dry jigging for high ash non coking coal Beneficiation in India**
K S Ashvani et al - Allmineral Asia Pvt. Ltd., India
 - 5. TDS Dry Sorting Beneficiation Applied for Underground Coal Mine**
Liang Xingguo - Tianjin Meiteng Technology Co., Ltd., China

Gala Dinner (1830 hrs)

DAY 3 : 15TH NOVEMBER, 2019

(Venue : Stein Auditorium)

SESSION - 8A (0930 - 1100 hrs)

Topic : Sampling, Quality Control - Recent Developments

Chair : N Sridhar, CMD, SCCL, India

Co-Chair: Durgesh Sharma, Cotecna, India

- Topics** :
- 1. Fundamental errors in sampling, the impact on cost and decision making**
Durgesh Sharma et al. - Cotecna, Inspection India Pvt Ltd., India
 - 2. Coal Quality Scenario**
K Nagabhushana Reddy et al. – SCCL, India
 - 3. Uncoaler/Activator Feeder for Coal Extraction**
K.S. Nalwaya et al. - KSN Tech Ventures, India
 - 4. Economic Benefits and Risks of Optimized Homogenization in Coal Stockpiling Systems**
Michael Cipold et al. - Karlsruhe Institute of Technology, Germany.
 - 5. Assessment of Coal Washability using Dual Energy X-ray Transmission System**
Yi Ran Zhang et al. - University of British Columbia – NBK Mining Engineering, Canada

Tea/Coffee Break (1100 – 1130 hrs)

DAY 3 : 15TH NOVEMBER, 2019

(Venue : Silver Oak Hall)

SESSION - 8B (0930 - 1100 hrs)

Topic : Automation, Controls & IT Applications

Chair : T Senthil Kumar, FLSmidth, India

Co-Chair: Maria Holuszko, Canada

- Topics** :
- 1. Application of Direct Optical Methods for Quality Control Processes in Coal Preparation**
O. Onyshchenko - ANA-TEMS LLC, Ukraine
 - 2. Development of an Online coal washability analyser for treating Indian Coals**
K M P Singh et al. - Central Institute of Mining & Fuel Research, India
 - 3. Predictive Maintenance System in Coal Preparation Plant Based on Wireless IIoT and Big Data Technology**
Deyong Wu et al. - Chengdu ALPHA Industrial Intelligence Co.,Ltd., China
 - 4. Research on the fault diagnosis of coal preparation equipment based on Artificial Neural Networks**
Pan Yongta - China University of Mining and Technology (Beijing), China
 - 5. Building information modelling and integrated practice in jscsuek by the example of the construction Tugnuy Coal Handling and Preparation plant.**
Alexander Khvan - Sibniugleobogashenie, LLC, Russia

Tea/Coffee Break (1100 – 1130 hrs)

DAY 2 : 15TH NOVEMBER, 2019

(Venue : Stein Auditorium)

SESSION - 9A (1130 - 1300 hrs)

Topic : Environment, Climate Change and Sustainable Development

Chair : C K Mishra, Secretary, MoEFCC, India

Co-Chair: Alok Perti, Chairman, CPSI, India

- Topics** :
- 1. Innovative ways to develop coal production wastes after bioleaching**
Dr. Joanna Calus Moszko - Główny Instytut Górnictwa, Poland
 - 2. Utilization and Disposal of Coal Washery Rejects: An Environmental Challenge**
Amarjeet Singh et al. – CMPDI, India
 - 3. Waste Management in Opencast Coal Mines**
Arvind Kr Singh et al. – NTPC, India
 - 4. Development and creation of environmentally friendly technology and equipment for the processing of coal preparation waste**
Murko V.I. et al. - CJSC Scient. Production Enterprise, Russia, Russia
 - 5. Oil Contaminated Soil Remediation through Oil/Coal Agglomeration**
Maria Holuszko et al. University of British Columbia, Canada

Lunch Break (1330 – 1400 hrs)

DAY 3 : 15TH NOVEMBER, 2019

(Venue : Silver Oak Hall)

SESSION - 9B (1130 - 1300 hrs)

Topic : Management of Washery Wastes and Effluents

Chair : Cap. R S Sindhu, Chairman, ACB, India

Co-Chair: Barbara J Arnold, USA

- Topics** :
- 1. Beneficiation of Coal Washery Tailings Using Conventional and Column Flotation Techniques**
U.S. Chattopadhyay et al T Gouri Charan et al. - CSIR, India
 - 2. Discard Waste Amelioration Approaches at Greenside Colliery**
David Power et al - Anglo American Coal, South Africa
 - 3. Effect of Feed Characterization on Solid Bowl Centrifuge Performance for Dewatering of Fine-coal Tailings**
Majid Ejtemaei et al - The University of Queensland, Australia
 - 4. Coal tailings treatment through advanced tailings separation process**
Rainer Raberger et al - ANDRITZ AG, Austria
 - 5. Environmental Protection of dormant or historical slurry dams - Case Study**
Nandipha Ziphethe et al. - South 32, South Africa

Lunch Break (1330 – 1400 hrs)

DAY 3 : 15TH NOVEMBER, 2019

(Venue : Stein Auditorium)

SESSION - 10A (1400 - 1530 hrs)

Topic : Coal Combustion, HELE Technologies, CO₂ Emissions

Chair : Gurdeep Singh, NTPC, India

Co-Chair: Andrew J Minchener, IEA, CCC, UK

Topics : 1. **The importance of high efficiency low emissions technologies for sustainable coal utilisation**

Dr. Andrew J Minchener - IEA Clean Coal Centre, UK

2. **Determination of Rational Parameters of Mechanoactivated Coal Briquets**

N. Nikolaeva et al.- Saint Petersburg Mining University, Russia

3. **Complex Processing of Ash Wastes to Recover of Valuable Components and Environmental Protection**

T. Aleksandrova et al. - Saint-Petersburg Mining University, Russia

4. **Evolution of coal processing practices at Tata Steel**

Bhargav Dhavala et al. – Tata Steel, India

5. **Coal Blending – Finding the right mix for powering thermal power plants in India – A review**

Ajay Kumar - NTPC, India

Tea/Coffee Break (1530 – 1600 hrs)

DAY 3 : 15TH NOVEMBER, 2019

(Venue : Silver Oak Hall)

SESSION - 10B (1400 - 1530 hrs)

Topic : Coal to Chemicals, Enhanced Coal Energy

Chair : Naveen Jindal, Chairman, JSPL, India

Co-Chair: Anindya Sinha, MoC, India

Topics : 1. **Coal to Chemicals: Scope and Challenges**

Navin Kr. Singh et al. – CMPDI, India

2. **Production of geopolymer materials based on waste from mining and processing of hard coal**

Barbara Tora et al - AGH University of Science and Technology, Poland

3. **Installation of coal pyrolysis with the improvement of the reactor retort**

A. Boytsova - Saint Petersburg Mining University, Russia

4. **Coal Gasification: Opportunities and Challenges for India**

Dipankar Sengupta, JSPL, India.

5. **Modelling Studies on Hydrodynamics of flow inside a solid-liquid fluidizer**

Anmol Awasthi et al - Tata Steel Ltd., India

Tea/Coffee Break (1530 – 1600 hrs)

DAY 3 : 15TH NOVEMBER, 2019

(Venue : Silver Oak Hall)

CLOSING CEREMONY (1600 - 1700 hrs)

1. **Opening Remarks** : Shri Alok Perti, Chairman national Organising Committee (NOC)
2. **Remarks** : Mr. Andrew Swanson, IOC Member, Australia.
3. **Remarks** : Shri R K Sachdev, Chairman, International Organising Committee (IOC) of XIX ICPC.
4. **Address by Chief Guest** : Shri Anil Kumar Jain, Secretary, Ministry of Coal, Government of India.
5. **Handing over to Australia**, the host of the **XX International Coal Preparation Congress (ICPC)**.
6. **Vote of thanks**.

Cocktails

Close of the XIX International Coal Preparation Congress
(ICPC), New Delhi – India

Important Notes

- Inaugural Sessions is Plenary – venue is Stein Auditorium.
- Two technical sessions will run in parallel:
 - a. 'A' sessions in Stein Auditorium.
 - b. 'B' sessions in Silver Oak Hall.
- Closing Ceremony is also a Plenary - Venue is Silver Oak Hall.

Local City Tours

- Local city tours on 13th and 14th November only for registered Accompanied Persons. Please contact the 'Travel Desk'.
- Any other participant (s) interested in taking Post Congress local city tour on 16th November 2019 may also contact the 'Travel Desk'.

Outstation Tours (Post Congress only)

- Desirous participants may contact 'Travel Desk'.
- For any general queries please contact 'Special Assistance Desk'.

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QA Testing Laboratories Pvt. Ltd.

B-76, Sector-64, Noida, Uttar Pradesh-201301
Tel. : +91-120-4133953 • Mobile : +91-9873649004
E-mail : ratnesh.raai@qatestinglaboratories.com
Website : www.qatestinglaboratories.com

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Coal Preparation Society of India,

1332 A/B, Vasant Kunj, New Delhi-110070, India

Tel : +91-11-2613 6416, 4166 1820

E-mail : president@cpsi.org.in, rksachdev01@gmail.com

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