



**NORTHERN COALFIELDS LIMITED, SINGRAULI**

**presents**

# **ICOMS-2018**

**INTERNATIONAL CONFERENCE ON OPENCAST  
MINING TECHNOLOGY & SUSTAINABILITY**

[www.icoms2018.com](http://www.icoms2018.com)

*Knowledge Partners*



**IIT BHU  
VARANASI**



**AKS UNIVERSITY  
SATNA**

**DEC' 14-15, 2018**

**VENUE**

**NORTHERN COALFIELDS LIMITED  
SINGRAULI (M.P.), INDIA - 486889**



## ABOUT ICOMS-2018

The fossil fuel based energy sector, where Coal is the primary ingredient, is slowly being replaced by environment friendly 'Green Energy'. In this transitory stage it is becoming more important for Coal Industry to reorient itself to remain relevant in the energy sector in a sustainable manner. On the eve of World Energy Conservation Day, Northern Coalfields Limited is organizing the 1<sup>st</sup> International Conference on **Opencast Mining Technology and Sustainability (ICOMS-2018)** on 14th December, 2018 at Singrauli, Madhya Pradesh, India in association with Indian Institute of Technology (BHU), Varanasi and AKS University, Satna. The ICOMS-2018, scheduled during December 14-15, 2018 aims to provide forum for the peers and blossoms of the academicians, scientific community & industry professionals to interact and exchange their knowledge in the field of Opencast Mines. Visit [www.icoms2018.com](http://www.icoms2018.com)

### **CHIEF PATRONS**

**Shri Prabhat Kumar Sinha**

Chairman cum Managing Director  
Northern Coalfields Limited

**Prof. Pramod Kumar Jain**

Director, IIT-BHU, Varanasi

**Dr. Paritosh K. Banik**

Vice Chancellor, A K S University,  
Satna

### **PATRONS**

**Shri Gunadhar Pandey**

Director (Tech./Oprns), NCL

**Shri P M Prasad**

Director (Tech./P&P), NCL

**Shri N N Thakur**

Director (Fin.), NCL



## THEMES

### *A) Production, Productivity and Safety in Coal Mines:*

- Production, Productivity and Safety: New Methods to facilitate high stripping opencast mining with improved productivity & economics
- Design and development of software to design mine working slope and dumps
- Advanced Blasting techniques
- Methods to extract inter-mine boundary coal
- Unconventional Mining Methods
- Best Practices / Benchmarking in maintenance and operations in OC mining
- Automation and Artificial Intelligence in OC mining

### *B) Environmentally Sustainable Methods:*

- Mitigative measures to check pollution load on air and water within safe limits
- Alternatives to blasting technology, i.e., mitigating ground vibrations and air blast
- Developing eco-friendly logistics infrastructure
- Mine Closure & Sustainable Energy Management
- Social Sustainability

### CALL FOR PAPERS

The conference will include structured lectures, audio-video presentation and case studies. The abstract in the prescribed format is to be submitted online on [www.icoms2018.com](http://www.icoms2018.com) or can be sent through email at: [icoms.ncl@coalindia.in](mailto:icoms.ncl@coalindia.in) or [icoms.ncl@gmail.com](mailto:icoms.ncl@gmail.com)





## REGISTRATION

NCL invites National and International students, researchers, academicians and practicing technocrats to ICOMS 2018, with **FREE OF COST** Registration. Maximum **TEN** delegates are allowed per Organisation/Institution. The programme is Non-Residential. Online registration can be done on website [www.icoms2018.com](http://www.icoms2018.com)

## EXHIBITION

During ICOMS-2018, an industrial exhibition will be concurrently organized near Officers' Club, Northern Coalfields Limited, Singrauli.

Exhibitors will also get ample opportunities to network with global participants, industry leaders and policy makers.

Space will be provided **free of cost** to the exhibitors. The stalls and other arrangements will be done at a nominal cost.

## IMPORTANT DATES

|  |                                     |
|--|-------------------------------------|
| <b>Last date of submission of abstract</b>                           | October 29 <sup>th</sup> , 2018     |
| <b>Notification for acceptance of abstract and Registration open</b> | October 31 <sup>st</sup> , 2018     |
| <b>Last date of submission of paper</b>                              | November 15 <sup>th</sup> , 2018    |
| <b>Conference Registration Deadline</b>                              | November 20 <sup>th</sup> , 2018    |
| <b>Notification for time and slot of presentation</b>                | December 1 <sup>st</sup> , 2018     |
| <b>Date of Conference</b>  | December 14-15 <sup>th</sup> , 2018 |

## CONNECTIVITY & ACCOMODATION

Singrauli is connected by flight upto Varanasi & Jabalpur airport. Limited accommodation is available at our Guest Houses. Hotels are available in the vicinity. All the delegates, participants are advised to send their requests for accommodation in advance at [icoms.ncl@coalindia.in](mailto:icoms.ncl@coalindia.in).



### **Northern Coalfields Limited**

NCL, a Public Sector Company (Mini Ratna Category-I), a wholly owned subsidiary of **Coal India Limited**, under the Ministry of Coal, Government of India) is a major contributor to energy requirement of the nation. NCL's main products include non-coking coal in the range of grades G5-G11 besides 'De-shaled Coal' and the 'Coal Rejects'. About 90% of the coal produced is dispatched to Power Sector. At present, there are 10 nos. of highly mechanized opencast mines (IN MP and UP) which deploy large capacity equipment like Draglines, Shovels, Dumpers, and Surface Miners of varying capacities. For more info, please visit. [www.nclcil.in](http://www.nclcil.in)

### **Indian Institute of Technology (BHU), Varanasi**

IIT BHU is a pioneer engineering institution located in Varanasi, Uttar Pradesh, India. Founded in 1919 as the Banaras Engineering College, it became the Institute of Technology, Banaras Hindu University in 1968. It was designated an Indian Institute of Technology in 2012. It is having 13 branches of engineering and three inter-disciplinary schools. Its Mining Engineering department has produced more than 60 PhDs, currently enrolled more than 60 doctoral, more than 60 M.Tech students, along with 400 B.Tech students. For details visit <https://www.iitbhu.ac.in/>

### **AKS University, Satna**

AKS University, Satna is imparting state of threat education in engineering, agriculture, life sciences, IT, MBA, Social Sciences in addition to conducting research & industrial consultancy. Its Mining department had also taken up several consultancy research programs for NMDC, Hindalco Industries, JSW Cements, Utkal Alumina etc. For details visit [www.aksuniversity.ac.in](http://www.aksuniversity.ac.in)

### **Convener**

**Mr. Satish Jha**

General Manager,  
Corporate Planning, NCL  
Ph: +91-9406711702

**Dr. G. K. Pradhan**

Prof. of Mining & Dean,  
Faculty of Engineering & Technology  
AKS University, Satna  
Ph.: +91-8120003355

**Dr. Sanjay K. Sharma**

Prof. & Head,  
Department of Mining Engineering  
IIT BHU Varanasi  
Ph.: +91-9450950078

### **Co-Convener**

**Mr. Bhartendu Kumar**

Chief Manager, Nigahi Area, NCL  
Ph: +91-9425176789

### **Coordinators**

**Mr. Manish Kumar**

Staff Officer (Mining),  
Nigahi Area, NCL  
Ph: +91-7694031582

**Mr. Ramesh B. Sindhur**

Area Planning Manager,  
Amlohri Area, NCL  
Ph.: +91-9406711742

### **Website**

[www.icoms2018.com](http://www.icoms2018.com)

### **E-Mail**

[icoms.ncl@coalindia.in](mailto:icoms.ncl@coalindia.in)  
[icoms.ncl@gmail.com](mailto:icoms.ncl@gmail.com)





# INTERNATIONAL CONFERENCE ON OPENCAST MINING TECHNOLOGY & SUSTAINABILITY (December 14-15, 2018)

## REGISTRATION FORM

**(Register Online on [www.icoms2018.com](http://www.icoms2018.com))**

1. **Name (Capital Letters):** \_\_\_\_\_
2. **Designation:** \_\_\_\_\_
3. **Organization/Institution:** \_\_\_\_\_
4. **Category (Academic/Industry/R&D/Student):** \_\_\_\_\_
5. **Mailing Address:** \_\_\_\_\_
6. **Email:** \_\_\_\_\_
7. **Telephone/Mobile:** \_\_\_\_\_
8. **No. Of Accompanying Delegates:** \_\_\_\_\_
9. **Name of Accompanying Delegates with Contact No.**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Date :** \_\_\_\_\_

**Signature:** \_\_\_\_\_