



**DAY THREE**

**November 8, 2023 : Wednesday**

**Technical Session IX • 10:00-11:30 hrs**

**TS-IX • Venue: Conference Hall A**

Chairpersons : **Shri Debashish Nanda**, Director, BD, CIL  
**Shri Jugal Kr Borah**, DT(OP), MCL

**COAL GASIFICATION, CBM, MINE FIRE & VENTILATION**

- **Shri Rupesh Kumar Singh**, CSIR-CIMFR, Dhanbad, Gasification of high-ash Indian coal and agro-Industry biomass waste in oxy-blown bubbling fluidized bed gasifier
- **Shri Anjani Kumar**, Essar Oil and Gas Exploration and Production Limited, Raniganj & **Prof G P Karmakar**, Retired Professor, Indian Institute of Technology, Kharagpur, Refracturing in CBM Wells: A Case Study
- **Shri Debashish Mishra**, CSIR-CIMFR, Dhanbad, Design of an effective ventilation system of deep underground coal mines affected with spontaneous heating and fire using double booster fans – A practical approach
- **Shri Surendra Kumar Dogra**, NIT, Rourkela Odisha, Machine Learning Applications: Coal Fire Prediction Using Graham's Ratio
- **Shri Jitendra Pandey**, CSIR-CIMFR Dhanbad, Assessment and control of concealed fire in underground coal mine: A case study

**11:30-12:00 hrs Tea / Coffee Break**



## Technical Session X • 12:00-13:30 hrs

**TS-X • Venue: Conference Hall A**

Chairpersons : **Dr B Veera Reddy**, D(T), CIL & CMD, CCL  
**Shri D K Mohanty**, Director (Production), NMDC

### ROCK MECHANICS & GROUND CONTROL

- **Mr Piero Bettini**, The University of Florence spin off; Viale G. Amendola 24 – 50121 Florence, Italy, FLAC 3D modeling for excavation activity in an underground marble quarry in Ambaji (Gujarat – India)
- **Dr Siddhartha Roy**, CMPDI (HQ), Ranchi, An investigation on optimal and safe design of Highwall mining panel beneath jointed overburden strata using Discrete Element Modeling
- **Prof Ashok Kumar**, Department of Mining Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad, 826004, Estimation of side spalling in Bord and Pillar mining method based on field and simulation studies
- **Mr John Loui Porathur**, CSIR-CIMFR, Nagpur Research Centre, Nagpur, Numerical modeling of split-set friction bolt
- **Shri Subodh Kumbhakar**, CSIR- Central Institute of Mining & Fuel Research, Barwa road, Dhanbad, Stability assessment of overburden dump on blackcotton soil bench: a numerical modelling approach
- **Shri Nilabjendu Ghosh**, Senior Scientist, Mining Methods and Geo-Mechanics, CSIR-Central Institute of Mining and Fuel Research, Barwa Road, Dhanbad, A study on the effects of horizontal stress anisotropy on stability of galleries in deep underground coal mines

**13:30-14:30 hrs Lunch Break**



**PANEL DISCUSSION • 14:30-15:30 hrs**

15:30-16:00 hrs    Tea / Coffee Break

**Valedictory Session • 16:00-17:00hrs**

**Venue: Conference Hall A**

- Chief Guest : **Shri V L Kantha Rao**, IAS, Secretary, Government of India, Ministry of Mines
- Guests of Honour : **Shri Aboobacker Siddique P**, IAS, Secretary, Department of Mines, Government of Jharkhand
- Chairman, National Advisory Committee : **Shri P M Prasad**, Past President, MGMI & Chairman, Coal India Limited
- President, MGMI : **Dr B Veera Reddy**, Director, Technical, CIL & CMD, CCL
- Chairman, Conference : **Shri Manoj Kumar**, CMD, CMPDIL
- Chairman, Technical Committee : **Dr Amalendu Sinha**, Former Director, CIMFR
- Convener, Conference : **Shri Prasanta Roy**, HOD (Geology), CIL
- Honorary Secretary : **Shri Ranajit Talapatra**, GM, CIL MGMI

17:00-17:30 hrs    Hi-Tea

**THE CONGRESS CONCLUDES**  
**EXHIBITION CONCLUDES ON 9th NOVEMBER 2023**