

34th INTERNATIONAL CONFERENCE OF SAFETY IN MINES RESEARCH INSTITUTES



7-10 December, 2011

INDIA HABITAT CENTRE, NEW DELHI, INDIA

Detailed Programme Schedule

Date: 7 December 2011		Day: WEDNESDAY	REGISTRATION (08:30 – 10:30)
34th ICSMRI	INAUGURAL SESSION (10:30 – 11:30) Venue: Auditorium		
	TEA (11:30 – 12:00)		
	Venue: Auditorium (12:00 – 13:00) Keynote Session I Chair: To be announced		
1.	Safety and Health in Mines Convention	Mr. Martin Georg Hahn , Mining Specialist, ILO, Genève, Switzerland Miss Ingrid Christensen , Senior Occupational Safety & Health Specialist, ILO DWT for East and South East Asia and Pacific, Bangkok, Thailand.	
2.	Global occupational Health and Safety Issues in Mining and the Role of ISSA Mining to address such Issues	Mr. Helmut Ehnes , Secretary General, International Social Security Association (Mining Section), Switzerland/Germany.	
LUNCH (13:00 – 14:00)			
Venue: Auditorium (14:00 – 15:00) Keynote Session II Chair: To be announced			
1.	Occupational health and safety issues of lignite miners in India	Mr. A. R. Ansari , Chairman-cum-Managing Director, Neyveli Lignite Corporation Limited, India.	
2.	Occupational safety and health issues of iron ore mine workers in India	Mr. Rana Som , Chairman-cum-Managing Director, National Mineral Development Corporation Ltd, India.	
TEA (15:00 – 15:30)			
Venue: Auditorium (15:30 – 17:00) Keynote Session III Chair: To be announced			
1.	Current and emerging needs in mine health and safety research	Prof. R. V. Ramani , Emeritus Professor of Mining Engineering and Emeritus, George H. Jr and Anne B. Deike Chair in Mining Engineering, Department of Energy and Mineral Engineering, The Pennsylvania State University, USA.	
2.	An Overview of Mine Safety Legislation in India	Mr. Satish Puri , Director General, Directorate General of Mine Safety (DGMS), India. Mr. Anup Biswas , Deputy Director General (DGMS), India	
3.	Australian mining health and safety research history, current issues, and future directions	Mr. Stewart Bell , Deputy Director-General and Commissioner for Mine Safety and Health, Department of Employment, Economic Development and Innovation, Simtars, Australia. Mr. Darren Brady , Director, Mining and Technology, Department of Employment, Economic Development and Innovation, Simtars, Australia.	
CONFERENCE DINNER			

Date: 8 December 2011		Day: THURSDAY		Technical Session I		Time: 09:30 – 11:00			
34th ICSMRI	Disaster Prevention and Control			Environmental Hazards - I			Safety Technology		
	Venue: Auditorium Chair: To be announced			Venue: Jacaranda Hall Chair: To be announced			Venue: Magnolia Hall Chair: To be announced		
Technical Session IA			Technical Session IB			Technical Session IC			
1	The Nexsys™ Real-Time Risk Management System for disaster prevention and management in underground coal mines	<p>Dr. Eleonora Widzyk-Capehart, Stream Leader, Geologically Intelligent Surface Mining, Minerals Down Under National Research Flagship, CSIRO ESRE, Australia.</p> <p>Ms Kerstin Haustein, Research Project Engineer CESRE, CSIRO, Australia.</p> <p>Mr. Peter Wang, Research Project Engineer ICT, CSIRO, Australia.</p> <p>Mr. Ricky Prout, Technical Manager, Mining Logic Solutions, Australia.</p> <p>Mr. Dean Kirkwood, Director, Mining Logic Solutions, Australia.</p>	Development of dust suppression water nozzles based on specific environmental parameters in coal mining	<p>Dr. John-Glen Swanson, Head, Mine Health and Safety Group, Department of Underground Mining Methods and Machinery, Clausthal University of Technology, Germany.</p> <p>Mr. Frank Südhofer, Specialist (mine health and safety), RAG Deutsche Steinkohle AG, Germany.</p> <p>Prof. Oliver Langefeld, Director, Department of Underground Mining Methods and Machinery, Institute of Mining, Clausthal University of Technology, Germany.</p>	Recent developments in automated tools and techniques for mine safety and disaster management	<p>Dr. Dheeraj Kumar, Associate Professor, Department of Mining Engineering, Indian School of Mines, Dhanbad, ISM, India.</p>			
2	Emergency plans and evacuation trials in Spanish mining	<p>Dr. José-Luis Fuentes-Cantillana, Managing Director, AITEMIN, Spain.</p> <p>Mr. Pedro Morillo, Head of Risk Area, AITEMIN, Spain.</p>	Asbestos particle dispersion in the atmosphere from closed down mine sites	<p>Prof Changwoo Lee, Head, Department of Energy and Mineral Resources Engineering, Dong-A University, South Korea.</p> <p>Mr. Sewon Kil, Mine Reclamation Corporation, South Korea.</p> <p>Mr. Dooyoung Kim, Dong-A University, South Korea.</p>	Early-warning detection of fires in coal mines using POC sensors and merged visual-IR imaging technology	<p>Dr. Gareth Kennedy, Lecturer, Camborne School of Mines, University of Exeter, UK.</p> <p>Mr. Mike Bedford, Mines Rescue Service Ltd, UK.</p> <p>Mr Stewart Jobling, UK Coal Mining Ltd, UK.</p>			
3	Modern technology and recent research work for mining and other industry at Experimental Mine “Barbara”	<p>Dr. Krzysztof Cybulski, Senior Scientist (Mining), Associate Professor of GIG, Director and Head of Mine Operation Department of Experimental Mine “BARBARA” of the Central Mining Institute, Poland.</p> <p>Dr. Zdzisław Dyduch, Head, Laboratory of Combating Dust and Gas Explosion in the Mines, Central Mining Institute, Poland.</p>	Effect of Wet-Scrubber operation on air flow patterns and dust control within a Continuous Miner face area: A CFD analysis	<p>Ms Rohini Kantipudi, Vogt Power International Inc., USA.</p> <p>Prof. Yoginder P. Chugh, Professor, Mining and Mineral Resources Engineering, Southern Illinois University, USA .</p> <p>Mr. Vijaya K. Kollipara, PhD Student, Engineering Science, Southern Illinois University, USA.</p>	Selection, installation and maintenance of Ex equipment for coal mines	<p>Mr. Bhagirath Ahirwal, Scientist, CIMFR, India.</p> <p>Dr. A. K. Singh, Scientist, CIMFR, India.</p> <p>Mr. R. K. Vishwakarma, Scientist, CIMFR, India.</p> <p>Dr. Amalendu Sinha, Director, CIMFR, India.</p>			

TEA (11:00 – 11:30)

Date: 8 December 2011 Day: THURSDAY Technical Session II Time: 11:30 – 13:00						
34th CSMRI	Risk Assessment and Safety Management - I Venue: Auditorium Technical Session IIA Chair: To be announced		Environmental Hazards - II Venue: Jacaranda Hall Technical Session IIB Chair: To be announced		Explosives and Blasting - I Venue: Magnolia Hall Technical Session IIC Chair: To be announced	
	1.	Development and use of a safety maturity model as a safety assurance tool in UK coal operations	Dr. Patrick Foster , Senior Lecturer, Camborne School of Mines, University of Exeter, UK. Mr. Stuart Houlst , Group Director of Health & Safety, UK Coal plc, Doncaster, UK.	Methane and fire hazard in underground mining facilities extracting hard coal in Poland: Scientific researches trends	Dr. Piotr Litwa , President of State Mining Authority, Poland Mr. Andrzej Respondek , Chief Specialist, Department of Mining, State Mining Authority, Poland.	Electroblasting Technology for Superfast Short Circuit Current Interruption in Mine Electrical Networks
2.	Risk assessment of an urban underground hazardous waste repository	Dr. Theodora Karachaliou , Mining Engineer, PhD. School of Mining & Metallurgical Engineering, National Technical Univ. of Athens, Greece. Dr. Andreas Benardos , Lecturer, Mining Engineer, School of Mining & Metallurgical Engineering, National Technical Univ. of Athens, Greece. Prof. Dimitris Kaliampakos , Professor, Mining Engineer, School of Mining & Metallurgical Engineering, National Technical Univ. of Athens, Greece.	Advances in atmosphere monitoring and operational control in steep coal seams mining by sublevel caving method	Dr. José-Luis Fuentes-Cantillana , Managing Director, AITEMIN, Spain. Mr. Angel Rodriguez , Head of Systems Department, AITEMIN, Spain.	Blasting near structures using electronic detonators – A case study	Dr. A. K. Mishra , Associate Professor, Department of Mining Engineering, Indian School of Mine, India. Mr. Sanjay K. Singh , Deputy General Manager, Jharia Division, Tata Steel, India.
3.	Hazard identification and risk assessment in mining industry - a case study	Dr. H. B. Sahu , Associate Professor, Department of Mining Engineering, National Institute of Technology, India. P. K. Tandia , Deputy Manager (Mines), Dungri Limestone Quarry, ACC Ltd., India. Mr. A. Paithankar , Former Student, Department of Mining Engineering, National Institute of Technology, India.	Analysis of occupational accidents at the mining enterprises of the northern regions of Russia	Prof. A. F. Galkin , Department of Safety Production, Dept. of Mining Engineering, St. Petersburg State Mining Institute, Russia. Ms R .G. Khusainova , Graduate Student, Dept. of Mining Engineering, St. Petersburg State Mining Institute, Russia.	Some issues on incendivity testing of Indian permitted explosives	Dr. Sanjay Kumar Roy , Scientist, CIMFR, India. Dr. Rajeev Ranjan Singh , Scientist, Explosive & Explosion Laboratory, CIMFR, India.

LUNCH (13:00 – 14:30)

Date: 8 December 2011 Day: THURSDAY Technical Session III Time: 14:30 – 16:30						
34th ICSMRI	Risk Assessment and Safety Management - II		Ground Control and Strata Monitoring - I		CBM and CMM	
	Venue: Auditorium	Technical Session IIIA	Venue: Jacaranda Hall	Technical Session IIIB	Venue: Magnolia Hall	Technical Session IIIC
Chair: To be announced						
1.	China coal mine safety study and institutional issues	Dr. Mike Katz , Former Director Key Centre for Mines – KCM 1995 - 1998 and Manager, KCM International, School of Mining Engineering, University of New South Wales, Australia.	Directed hydraulic fracturing as a method of rock burst mitigation, methane drainage and stress state determination in rock mass	Dr. Janusz Makówka , Department of Rock Bursts and Rock Mechanics, Central Mining Institute, Poland. Dr. Jan Drzewiecki , Associate Professor, Department of Rock Bursts and Rock Mechanics, Central Mining Institute, Poland.	Influence of rock mass shocks on methane drainage in underground coal mines	Dr. Jan Kutkowski , Assistant Manager, Safety of Work and Integrated Management System, Jastrzebie Coal Company, Poland.
2.	Zonguldak hardcoal mines as an illustration of common health and safety problems in coal mining	Prof. M. Sarper Erdogan , Faculty of Medicine, Istanbul University, Turkey. Prof. Ozer Kanburoglu , Head of Department (Photography), Kocaeli University, Turkey.	Hard Roof Management for Safety of Underground Coal Mine Workings	Dr. Pijush Pal Roy , Scientist & Head, Blasting, CIMFR, India. Dr. Chhangte Sawmliana , Scientist, CIMFR, India.	Methane sorption characteristics of coals from Cambay Basin, and their controlling factors	Dr. H. Singh , Principal Scientist, CIMFR, India.
3.	Shifting ore safely: Safety culture in the Australian mining and rail industries: Preliminary findings of a work-in-progress	Dr. Verna Blewett , Associate Professor, Occupational Health and Safety Centre for Sleep Research, University of South Australia, Australia. Dr. Sophia Rainbird , Post-Doctoral Research Fellow, Centre for Sleep Research, University of South Australia, Australia. Dr. Jill Dorrian , Program Director, Centre for Sleep Research, University of South Australia, Australia. Dr. Jessica Paterson , Postdoctoral Research Fellow, Centre for Sleep Research, University of South Australia, Australia. Marcus Cattani , Occupational Health Specialist, Fortescue Metals Group Ltd, Australia.	Ground behaviour assessment and strata management for safe coal production by continuous minor: a case-study validation	Dr. Satyendra K. Singh , Chief Scientist, CIMFR, India.	Hazards of Shale Gas Exploration and Exploitation Activities	Dr. G. P. Karmakar , Professor & Director-in-Charge, School of Petroleum Technology, Pandit Deendayal Petroleum University(PDPU), India. Mr. Bhaskar Pandey , M.Tech Student, PDPU, India. Dr. Anirbid Sircar , Associate Professor, School of Petroleum Technology, PDPU, India.
4.	International frameworks, national problems: mining OHS regulation in South Africa and Australia	Madam Andrea Shaw , Director, Shaw Idea Pty Ltd, Australia. Dr. Verna Blewett , Associate Professor, Occupational Health and Safety Centre for Sleep Research, University of South Australia, Australia. Mr. Schu Schutte , Ergonomist/Occupational Hygienist, CSIR, South Africa.	Safe and cost effective extraction techniques for dimensional stones	Dr. S. S. Rathore , Associate Professor, Maharana Pratap University of Agriculture and Technology (MPUAT), India. Dr. S. C. Jain , Assistant Professor, MPUAT, India.	CO ₂ Sequestration option in Indian coal fields – a brief analysis	Dr. Aditya Kumar Patra , Assistant Professor, Department of Mining Engineering, IIT Kharagpur, India. Prof. Khanindra Pathak , Department of Mining Engineering, IIT Kharagpur India. Mr. Himadri Bhusan Sahoo , GSI, Gandhinagar, India.
5.	Legal aspects to ensure safety and security of orphan mines	Mr. Gonzalo Martín Morales de Castilla , Head of Legal Advisory Service, Ministry of Industry and Employment, Principality of Asturias, Spain.	Deflation-based model for predicting mining-induced subsidence	Mr. Piyush Paritosh Panigrahi , Graduate Student, London School of Economics, UK. Mr. Koullick Ghosh , Student, IIT Kharagpur, India. Dr. Vineet K Gahalaut , NGRI, India.		

TEA (16:30 – 17:00)

Date: 9 December 2011 Day: FRIDAY Technical Session IV Time: 09:30 – 11:00						
Ground Control and Strata Monitoring - II Venue: Auditorium Chair: To be announced		Mine Environment-I Venue: Jacaranda Hall Chair: To be announced		Mine Automation - I Venue: Magnolia Hall Chair: To be announced		
Technical Session IVA		Technical Session IVB		Technical Session IVC		
1.	Identification of mechanisms of instability in set-up rooms in Longwall mining	Prof. Yoginder P. Chugh , Professor, Mining and Mineral Resources Engineering, Southern Illinois University, USA. Mr. Harrold Gurley , Researcher, Mining and Mineral Resources Engineering, Southern Illinois University, USA. Mr. Behrooz Abbasi , PhD Student, Mining and Mineral Resources Engineering, Southern Illinois University, USA.	Acoustic devices for gas flow rates measurements	Prof. Semyon Shkundin , Head of Electro Engineering and Info Systems Department, Moscow State Mining University, Russia.	Underground tracking and positioning techniques using wireless mesh networking technology	Dr. Gareth Kennedy , Lecturer, Camborne School of Mines, University of Exeter, UK. Dr. Patrick Foster , Senior Lecturer, Camborne School of Mines, University of Exeter, UK. Mr. Mike Bedford , Mines Rescue Service Ltd, UK. Dr. Barrie Jones , Mines Rescue Service Ltd, UK.
2.	Geotechnical study for dump slope design	Dr. V.K. Singh , Scientist and Head, Slope Stability Department, CIMFR, India.	Noise management in a bauxite mine in India	Prof. Asim Kumar Pal , Head, Environmental Science & Engineering, ISM, India.	Using virtual reality for improving health and safety of mine workers and improving mining engineering education in Australia	Dr. Rudrajit Mitra , Lecturer, School of Mining Engineering, The University of New South Wales, UNSW Sydney, Australia. Dr. Serkan Saydam , Senior Lecturer, School of Mining Engineering, The University of New South Wales, UNSW Sydney, Australia.
3.	Slope designs of opencast mines operating under the constraints of surface features - a case study of two limestone mines	Dr. J. C. Jhanwar , Scientist, CIMFR, Nagpur, India. Ms D. S. Barsagade , Former Project Assistant, CIMFR, Nagpur, India.	Application of tracer gas in the study of ventilation systems for improving mine safety	Prof. N. C. Karmakar , Professor, Department of Mining Engineering, IT – BHU, India. Dr. S. Gupta , Associate Professor, Department of Mining Engineering, IT – BHU, India. Dr. S. K. Palei , Assistant Professor, Department of Mining Engineering, IT – BHU, India.	Wireless sensor network for coal mines	Prof. V. Kumar , Professor & Head, Department of Electronics Engineering, Indian School of Mines, India. Prof. S. S. Sonavane , Professor, Department of Electronics, Engineering, Maharashtra Academy of Engineering, India. Dr. B. P. Patil , Principal, Marathwada Mitra Mandals Institute of Technology, India.

TEA (11:00 – 11:30)

Date: 9 December 2011 Day: FRIDAY Technical Session V Time: 11:30 – 13:00						
34th ICSMRI	Ergonomics-I Venue: Auditorium Chair: To be announced		Mine Fire Venue: Jacaranda Hall Chair: To be announced		Risk Assessment and Safety Management - III Venue: Magnolia Hall Chair: To be announced	
	Technical Session VA		Technical Session VB		Technical Session VC	
1.	Effect of heat stress on the health strain of underground coal miners	<p>Prof. N. C. Dey, Professor, Department of Mining Engineering, Bengal Engineering & Science University, India.</p> <p>Mr. S. Pal, Project Fellow, Department of Mining Engineering, Bengal Engineering & Science University, India.</p>	Investigation of thermal behavior of coal and their implication in evaluating fire risk potentials in Highwall and Punch entries of Adriyala Shaft Project	<p>Dr. Durga Dutt Tripathi, Scientist, CIMFR, India.</p> <p>Dr. Ran Vijai Kumar Singh, Scientist, CIMFR, India.</p> <p>Mr. Dharm Dhvaj Tripathi, Research Scholar, Nehru Gram Vishwavidyala, India.</p> <p>Prof. K.S. Upadhaya, Professor, Nehru Grambharti Vishwavidyala, India.</p>	Building Effective OHS Culture in the Mining and Extractives Industry	<p>Madam Andrea Shaw, Director, Shaw Idea Pty Ltd, Australia.</p> <p>Dr. Verna Blewett, Associate Professor, Occupational Health and Safety Centre for Sleep Research, University of South Australia, Australia.</p> <p>Mr. Schu Schutte, Principal Scientist, CSIR Mining Technology, South Africa.</p>
2.	Classification of mining equipment used in India according to their vibration hazard potential	<p>Mr. Bibhuti Bhusan Mandal, Assistant Director, National Institute of Miners' Health, India.</p> <p>Mr. Krishnendu Sarkar, Jr. Research Fellow, NIMH, India.</p> <p>Mr. Debasis Chatterjee NIMH, India.</p>	A study of spontaneous heating characteristics of Indian coals by crossing point temperature and wet oxidation potential methods	<p>Mr. S. K. Ray, Scientist CIMFR, Dhanbad, and Research Scholar, Department of Mining Engineering, ISM, India.</p> <p>Prof. D. C. Panigrahi, Director, Indian School of Mines, India.</p> <p>Prof. G. Udayabhanu, Professor, Department of Applied Chemistry, ISM, India.</p> <p>Prof. V. K. Saxena, Professor, Department of Fuel & Mineral Engineering, ISM, India.</p>	Safety standards in Indian mines – Present and future – An overview	<p>Mr. C. K. Banerjee, Sr. Mining Consultant, (Indian and Overseas Projects), India.</p> <p>Mr. T. K. Mozumdar, Ex. Deputy Director General of Mines Safety and Advisor to PAB Engineers, India.</p>
3.	Vibration related problems in mining operations and standardization of the assessment process	<p>Dr. Sunao Kunimatsu, Senior Research Scientist, Research Institute for Geo-Resources and Environment, AIST, Japan.</p> <p>Prof. Khanindra Pathak, Professor, Department of Mining Engineering, Indian Institute of Technology Kharagpur, India.</p>	Comprehensive Technological Approach for Control and Prevention of Overburden Dump Fire in Indian Coal Mines	<p>Dr. R. V. K. Singh, Senior Principal Scientist, CIMFR, India.</p> <p>Dr. D. D. Tripathi, Scientist, CIMFR, India.</p> <p>Mr. G. Sural, Scientific Assistant, CIMFR, India.</p> <p>Dr. V. K. Singh, Scientist and Head, Mine Fire Department, CIMFR, India.</p>	Mining in India- Safety Issues and Preventive Measures	<p>Mr. B.P. Singh Director of Mines Safety (S&T), DGMS, India.</p>

LUNCH (13:00 – 14:30)

Date: 9 December 2011 Day: FRIDAY Technical Session VI Time: 14:30 – 16:30						
Risk Assessment and Safety Management - IV Venue: Auditorium Chair: To be announced		Explosives and Blasting - II Venue: Jacaranda Hall Chair: To be announced		Mine Environment - II Venue: Magnolia Hall Chair: To be announced		
Technical Session VIA		Technical Session VIB		Technical Session VIC		
1.	Effect of Layout Change on Mine Safety System	Mr. Ananta Ghosh , Senior Manager (Mining), Jhilmili underground mine, South Eastern Coalfields Limited, India.	Safety in Blasting Based on Blasting Performance Evaluation vis-à-vis Energy factor based Selection of Explosives in Surface Mines	Dr. G. K. Pradhan , Addl. Director, Petroleum Conservation Research Association, India.	Studies on treatment of acid mine water of abandoned opencast coalmine using fly ash and fly ash zeolite	Dr.(Mrs.) Bably Prasad , Scientist, CIMFR, India. Mr. Arun Kumar Mahato , CIMFR, India. Dr. B.K. Tewary , Scientist, CIMFR, India. Dr. Amalendu Sinha , Director, CIMFR, India.
2.	Associations between occupational factors and occupational injury and the interplay of personal factors in Indian and French coal miners	Prof. Ashis Bhattacharjee , Professor, Department of Mining Engineering, Indian Institute of Technology Kharagpur, India Dr. Bijay Mihir Kumar , Assistant Professor, Department of Mining Engineering, Indian School of Mines, India Dr. Michèle Baumann , Medical Sociologist and Specialist in Public Health, University of Luxembourg, Luxembourg. Dr. Nearkasen Chau , Research Director, INSERM, France The Lorhandicap group , France	Demolition of brick chimney by blasting in thickly populated area having important structures – a case study	Dr. Ajay Kumar Jha , Senior Manager, Blasting Cell, Central Mine Planning and Design Institute (CMPDI) (HQ), India. Mr. D. Basu , General Manager, CMPDI (HQ), India.	Safety issues of utilizing coal fly ash as a mine backfilling material	Dr. Devi Prasad Mishra , Assistant Professor, Department of Mining Engineering, ISM, India. Prof. Samir Kumar Das , Director, National Institute of Technology, Jalandhar, India.
3.	Presentation of Platinum Sponsor	Neyveli Lignite Corporation Limited , India	Presentation of Platinum Sponsor	Coal India Limited , India	Some aspects of lime treated fly ash and mine overburden composite samples	Mrs Banita Behera , Research Scholar, Department of Mining Engineering, National Institute of Technology, India. Dr. Manoj Kumar Mishra , Associate Professor, Department of Mining Engineering, National Institute of Technology, India.

TEA (16:30 – 17:00)

Date: 10 December 2011 Day: SATURDAY Technical Session VII Time: 09:30 – 11:00						
34th ICSMRI	Ergonomics-II Venue: Auditorium Technical Session VIIA Chair: To be announced		Epidemiology and Occupational Disease Venue: Jacaranda Hall Technical Session VIIB Chair: To be announced		Mine Automation - II Venue: Magnolia Hall Technical Session VIIC Chair: To be announced	
	1.	Ergonomic issues in mining	Prof. Asim Kumar Pal , Head, Environmental Science & Engineering, Indian School of Mines, India.	Pneumoconiosis and occupational health surveillance in coal mines	Mr. U. Siva Sankar , Under Manager, Project Planning Department, Singareni collieries Company Ltd. (SCCL), India. Mr. VNS Prasad. M , Deputy Manager, Corporate Planning & Projects, SCCL, India. Mr. Ramesh Kumar , Director, Planning and Project, SCCL, India.	Wireless safety system for underground mines
2.	Evaluating occupational stress of Coal Carrying Bikers An unveiled issue in eastern India coal belt	Dr. T. Pachal , Sr. Manager (Work physiology & Ergonomics), OHS Centre, Bokaro Steel Plant, India. Dr. Rishikesh Pathak , Sr. Dy. Director (M&HS), Occupational Health Services Centre, Bokaro Steel Plant, India.	Some hypothetical approaches towards management of Pneumoconiosis	Dr. Analava Mitra , Associate Professor, School of Medical Science & Technology, Indian Institute of Technology Kharagpur, India. Ayan Dasgupta , Dept. of Pharmacology, Gupta College of Technological Sciences, India. Ms Baishakhi Dey , School of Medical Science & Technology, Indian Institute of Technology Kharagpur, India.	Maintenance of safety instrumented systems in mining industry	Prof. Uday Kumar , Professor, University of Technology, Lulea, Sweden.
3.	Lumped parameter model to study the segmental vibration transmissibility for a seated occupant of different body masses in tracked excavator with hydraulic breaker attachment	Mr. M. S. Alphin. , Research Scholar, Mechanical Engineering, National Institute of Technology, Tiruchirapalli & Assistant Professor, Department of Mechanical Engineering, SSN College of Engineering, India. Mr. Sundara Rao Madiri , M. Tech Scholar, Mechanical Engineering, National Institute of Technology, Tiruchirapalli & Executive, Occupational Health & Safety, ERM Department, TVS Motor Company Limited, India. Prof. K. Sankaranarayanan , Professor, Mechanical Engineering, National Institute of Technology, Tiruchirapalli, India.	Relationships of Some Individual and Work Related Factors to Lung Function Disorder of Underground Coal Miners - A Spirometry Study	Dr. B. M. Kunar , Assistant Professor, Department of Mining Engineering, ISM, India. Prof. A. Bhattacharjee , Professor, Department of Mining Engineering, IIT Kharagpur India. Dr. B. Samanta , Assistant Professor, Department of Mining Engineering, IIT Kharagpur, India. Mr. M. Shahid , Senior Officer Mining, Blasting Cell, S&T Division, CMPDIL, India.	Roof fall prediction in underground coal mine	Mr. Subir Ghosh , Research Scholar, Department of Mining Engineering, IIT Kharagpur, India. Mr. S. Bhattacharjee , MS Student, Department of Mining Engineering, IIT Kharagpur India. Prof. K.U.M. Rao , Professor and Head, Department of Mining Engineering, IIT Kharagpur, India. Dr. S. K. Pal , Associate Professor, Department of Mining Engineering, IIT Kharagpur, India. Dr. D.Deb , Associate Professor, Department of Mining Engineering, IIT Kharagpur India.

TEA (11:00 – 11:30)

Date: 10 December 2011		Day: SATURDAY		Technical Session VIII		Time: 11:30 – 13:00		
34th ICSMRI	Behavioural Based Safety Venue: Auditorium Technical Session VIII A Chair: To be announced			Risk Assessment and Safety Management - V Venue: Jacaranda Hall Technical Session VIII B Chair: To be announced				
	1.	Prediction, prevention and control of Human Errors for enhancing Safety in Mines and Industries	Dr. R. K. Elangovan , Director (Safety) & In Charge, Regional Labour Institute, DGFASLI, India.			A novel risk assessment technique for large mobile mining machinery		Dr. Ranjan Kumar , Scientist, CIMFR, India. Mr. Sandip Oraon , Scientific Assistant, CIMFR, India. Mr. A. K. Ghosh , Dy. Director, Mines Systems Engineering Division, CIMFR, India.
	2.	Regression Analysis of Ergonomics and Human Behaviors for Safety Management in Mining Operations	Mr. Sanjay Kumar Singh , M.Tech (Res) Student/Senior Manager (Mining), South Eastern Coalfields Limited, India. Prof. S Jayanthu , Professor, Dept of Mining Engineering, National Institute of Technology, India.			Miners work injury determination using Bayesian structural equation model		Dr. Snehamoy Chatterjee , Assistant Professor, Department of Mining Engineering, National Institute of Technology, India. Mr. Rajani Kant Dash , Manager (Personnel), Mahanadi Coalfields Limited, India.
	3.	Categorization and mitigation of human error to enhance safety in underground mines	Dr. Suprakash Gupta , Associate Professor, Institute of Technology - Banaras Hindu University (IT – BHU), India. Dr. Sanjay Kumar Palei , Assistant Professor, IT – BHU, India. Prof. Netai Chandra Karmakar , Professor, IT – BHU, India. Dr. Jhareswar Maiti , Associate Professor, Department of Industrial Engineering & Management, IIT Kharagpur, India.					
LUNCH (13:00 – 14:30)								

Date: 10 December 2011		Day: SATURDAY		Venue: Auditorium		Time: 14:30 – 16:30	
34th ICSMRI	VALEDICTORY SESSION						
	TEA (16:30 – 17:00)						