

Joint Plenary Session-Speakers

MPES 2007 and SWEMP 2007

Raj K. Singhal

*Federal Government of Canada
and Université Laval, Quebec, Canada
International Journal of Mining,
Reclamation and Environment*



Professor Dr. Eng. Raimondo Ciccu

**Department of Geoengineering
and Environmental Technologies
University of Cagliari
Cagliari, Italy**



Raimondo Ciccu graduated in Mining Engineering at the University of Cagliari in 1965. Shortly after he served the National Research Council until 1973 covering the position of Senior researcher. From 1974 to 1981 he was Chief Sector at the Sardinian Mining Board (EMSa) and meanwhile he acted as Managing Director of Bariosarda SpA, a major mining Company in Italy.

In 1982 he joined the University of Cagliari as Associate Professor and from 1983 as Full Professor of Surface Mining and Land Reclamation and of Excavation Engineering, and until he was Head of the Department of Geoengineering and Environmental Technologies.

The fields of interest range from excavation and cutting of rocks using traditional and advanced technologies (diamond tools and waterjet) to environmental issues. Professor Ciccu has authored about 250 scientific and technical papers, most of them discussed at International Conferences, and he is responsible of many research contracts with the industry as well as scientific coordinator of EEC-supported projects. Languages spoken: Italian, English, French, Portuguese and Spanish.

Mr. Winardi

**Senior Vice President
Pongkor Gold Mine - Gold Business Unit - PT ANTAM Tbk**



Mr. Winardi was appointed Senior Vice President of Pongkor Gold Mine-PT ANTAM Tbk in 2005.

Prior to this appointment, he held the position of Vice President of Logam Mulia – Gold Refinery Unit - PT ANTAM Tbk. Mr. Winardi works for PT ANTAM Tbk since 1992 and was holding various key positions in Gold Business Unit, Gold Refinery Unit, and Head Office those cover area of Operation, Management, Audit, and Corporate secretary.

Mr. Winardi's professional career was started when he joined PT Kelian Equatorial Mining since 1988 as a Plant Metallurgist.

Mr. Winardi holds an Engineering Degree in Mining Engineering (Metallurgy) from Institut Teknologi Bandung in 1988 and an M.M. (Management Magister) in International Management from Prasetya Mulya School of Business in 1999. Mr. Winardi is a member of Indonesian Mining Professionals Association (PERHAPI) and has played an active role as a general treasurer since 2003.

Guntis Pukitis

**State Secretary
Ministry of the Environment of the Republic of Latvia**



Mr. Guntis Pukitis was born on 8 July 1951 in Sigulda, Latvia. He received a Masters degree as an engineer of Chemical Tehnology, organic chemistry from Riga Technical University in 1975. He has obtained a Dr.chem. in 1992.

Mr. Guntis Pukitis was senior researcher at the Riga Technical University, Faculty of Chemistry, than he worked as director at Latvian Environmental Data Centre, but since 1996 he is a State Secretary at Ministry of the Environment of the Republic of Latvia.

Mr.Guntis Pukitis has published 24 publications on research of synthesis and properties of organic compounds. Mr. Guntis Pukitis speaks Latvian (native), English and Russian.

Professor Vladimir Kebo

Vice-rector, Technical University of Ostrava



Vladimir Kebo graduated from the Technical University of Mining and Metallurgy of Ostrava in 1981, study branch Automated control systems. *Working experience* in the system designing of control systems at the Institute of the Applications of Computer Technology of Ostrava, and Business machines of Ostrava as well (3 years). *Teaching activities* in the field of theory of automatic control, computer control and applications of automation in the field of materials industry (underground and open-cast mines) and automation of preparation plants. *Research activities* within control of technologies, modelling and control of mining technological processes, prognosis models and methods of control within the raw materials industry, SCADA HMI systems, artificial intelligence and virtual reality in raw materials industry.

In 1993 finished the doctoral (PhD) post-graduate study at the Technical University of Ostrava, study branch Automation of technological processes. Associate professor from 1997 – Automation in Mining. He has extensive experience in the field of cooperation with the Universities abroad, e.g. University of Cordoba the JEP TEMPUS Project, Tampere University of Technology (Finland), South Illinois University, (Carbondale, USA), Polytechnic School of University of Sao Paulo (Brazil), China University of Mining and Technology (Xuzhou, China), etc. Since 1999 he has been a member of the Presidium of Council of Higher Education Institutions of the Czech Republic.

He was Associate professor at Institute of Economics and Control System, The Faculty of Mining and Geology, VŠB-Technical University of Ostrava, Head of Institute of Economics and Control Systems, 2000 – 2003. From 2003-2006 he has been the Vice-rector for Research & Development and Foreign Affairs, VSB - TU of Ostrava, and from 2006 onwards has been the Vice-rector for Cooperation with Industry.

V.S. Rao

Managing Director, VBC Industries Ltd.



Mr V.S.Rao joined as Managing Director of VBC Industries Ltd. in 1997 after retirement from Tata Steel as Executive in Charge, Ferro Alloys and Minerals Division. He has more than 46 years of experience in Mining and allied industry.

During his long career, he has been, President of Federation of Indian Mineral Industries, President of Mining Engineers Association of India, President of National Institute of Small Mines, Director of Small Mines International, Canada, Chairman of Coal Consumers Association of India.

Presently, he is Fellow of Institute of Engineers India, Member of International Association of Business Leaders, USA, Member, Who's Who International Historical, USA, Member of Central Advisory Contract Labor Board, Govt. of India, Life Member, Society of Geoscientists & Applied Technologists (SGAT), and Mining Geological & Metallurgical Institute of India (MGMI).

He has submitted number of papers in various Forums in Mining, Environment and Management. He is a widely-traveled professional. He has won number of awards and felicitations from various institutions in India.

Dr. Adam Jarvis

University of Newcastle, U.K.



Dr Adam Jarvis is Senior Lecturer in the Sir Joseph Swan Institute at Newcastle University, UK. Adam completed a BSc Geography in 1992 (Manchester University), and then an MSc Environmental Engineering in 1994 (Newcastle University). In 2000 he completed his PhD in passive mine water treatment technologies, at Newcastle University.

For 4 years Adam worked as a consulting engineer, designing full-scale mine water treatment schemes in the UK, and undertaking environmental audit work at mining and metallurgical sites in Romania, Kazakhstan, Macedonia, Portugal and Ireland. He returned to Newcastle University in 2004, initially as Environment Agency Research Fellow in mine waste and mine water pollution, and more recently as Senior Lecturer. He has published numerous articles in the field of mine water impact assessment, river catchment studies, and passive mine water treatment.

Professor Richard Poulin

Université Laval, Canada



Dr. Richard Poulin is professor of mineral economics and director of the International Office at Université Laval in Québec City. He holds a Ph.D. from McGill University and is Fellow of the CIM. He also has been professor of mineral economics at The University of British Columbia. He previously worked in mineral engineering consultancy for 12 years in Canada and overseas. His main research topics are mineral resource valuation by real options and risk associated with environmental bonding.

Marie Vrbova

**Partner
R-PRINCIP Most Ltd.
Czech Republic**



Marie Vrbova is a graduate of the Charles University Prague, Czech Republic. She holds a doctor's degree from the Faculty of Philosophy and Arts.

Marie has been in the Czech brown coal mining industry for over twenty-five years. In 1994 she became partner of the consulting firm R-PRINCIP Most Ltd (North Bohemia), responsible for the successful project development in the field of post-mining landscape creation.

Currently she deals more directly with public relations and publishing activities at the request of coal mining companies.

Marie Vrbova has more than ten years experience as a Czech representative involved in UN ECE Group of experts on coal in the sustainable development, especially on cleaner electricity production from coal and other fossil fuels.

Şevket Durucan



Şevket Durucan is the Professor of Mining and Environmental Engineering at Imperial College. He holds a BSc and MSc in Mining Engineering from the Middle East Technical University in Ankara, Turkey and a PhD in Mining Engineering from the University of Nottingham. He gained his professional experience as a mining engineer with the Turkish Coal Enterprises. Dr Durucan spent three years as an Assistant Professor in the Middle East Technical University before returning to Nottingham University in 1985, which was followed by his move to the Royal School of Mines at Imperial College in 1988.

Şevket's early research was concerned with the underground environment in mines; mine ventilation and methane prediction and control in coal mines in particular. Over the years, he has broadened widely beyond this field and established his research career in modelling, simulation and the management of environmental processes, not only in mining endeavours but also within the more general disciplines of surface, or near-surface environmental studies. His current research is mainly concerned with clean coal and energy technologies, coalbed methane, enhanced coalbed methane, CO₂ capture and storage. He is the author of over 150 publications in refereed journals, conference proceedings and books.

Uday Kumar, Ph.D.

**Professor and Head
Division of Operation and Maintenance Engineering
Luleå University of Technology
SE-971 87 Luleå
Sweden**



Dr. Kumar obtained his B. Tech from India during the year 1979. After working for 6 years in Indian mining industries, he joined the postgraduate program of Luleå University of Technology, Luleå, Sweden and obtained a PhD degree in field of Reliability and Maintenance during 1990. He worked as a Senior Lecturer and Associate Professor at Luleå University 1990-1996. In 1997, he was appointed as a Professor of Mechanical Engineering (Maintenance) at University of Stavanger, Stavanger, Norway. Since July 2001, Dr. Kumar is Professor of Operation and Maintenance Engineering at Luleå University of Technology, Luleå, Sweden.

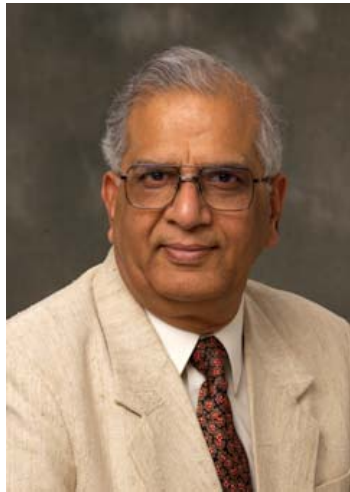
He is also director of The Center for Maintenance and Industrial Services, an industry sponsored platform established with a main goal to support R&D in maintenance and facilitate exchange of maintenance related knowledge and experiences among researchers and maintenance practitioners.

Dr. Kumar has more than 25 years of experience in consulting and finding solutions to industrial problems directly or indirectly related to maintenance. Dr. Kumar has been a guest lecturer and invited speaker at numerous seminars, industrial forums, workshops and academic Institutions both in Scandinavia and overseas.

His research interests are equipment maintenance, reliability and maintainability analysis, etc. He is also member of the editorial boards and reviewer for many international journals. He has published more than 150 papers in International Journals and Conference Proceedings.

Professor Yoginder P. (Paul) Chugh

**Department of Mining and Mineral Resources Engineering
Southern Illinois University Carbondale**



Professor Y.P. (Paul) Chugh is currently a Professor in the Department of Mining and Mineral Resources Engineering at Southern Illinois University Carbondale (USA) and Director of Combustion Byproducts Recycling Consortium- Midwestern Region for a U.S. Department of Energy sponsored research program. He served as chair of the Department during the period 1984 to 2000. He serves as Secretary-Treasurer of the Illinois Mining Institute since 1998.

Dr. Chugh's outstanding contributions to the profession include: 1) Developing the Department of Mining and Mineral Resources Engineering into a Center of Excellence for coal research and development and mining education; 2) Providing a broad-based research leadership in the areas of applied rock mechanics and ground control, coal combustion byproducts management, coal mine dust control, and integration concepts for mining, processing and power plant operations, and 3) Working collaboratively with multiple strategic partners to develop the Illinois Mining Institute into a highly professional organization. He has graduated over 60 MS and PhD students. He has four patents in the areas of roof control and combustion byproducts management, and has two additional patents pending. He has developed industry-government-university partnerships to attempt to commercialize them.

His major awards include Fulbright Senior Specialists Award, 2006; College Outstanding Faculty Member Award 2007; College Outstanding Scholar Award 2005; Department and College outstanding Teacher awards, 1984, 2003-2005; Member, National Academy of Science Panel "Placement of Coal Combustion Wastes in Coal Mines", September 2004 to December 31, 2004; Outstanding Paper Award, International Fly ash Conference 2005; Keynote addresses at major International Conferences 2007, 2006, and 2005.

Dr. Chugh received a BS degree in Mining Engineering in 1961 from Banaras Hindu University, India and the MS and PhD degrees in Mining Engineering in 1968 and 1971 from the Pennsylvania State University, where he specialized in rock mechanics and ground control. He completed additional coursework toward the MBA degree at the University of Chicago and Illinois Institute of Technology.

Per Nicolai Martens

**Dean of the Faculty of Georesources and Materials Engineering
RWTH Aachen University**



Per Nicolai Martens graduated in mining engineering at the Montanuniversität Leoben, Austria. He is a graduate in industrial engineering and business administration at RWTH Aachen University, Germany. After his doctorate at RWTH he spent 15 years in the mining industry in various positions. In 1992 he was appointed Head and Professor of the Institute of Mining Engineering I at RWTH Aachen University.

From 1997 – 2003 speaker of an Interdisciplinary Research Project on the analysis of raw material flows.

From 2004 – 2006 Dean of the Faculty of Georesources and Materials Engineering, RWTH Aachen University. He organizes yearly conferences on topical developments in mining and is one of the founding members of the SDIMI (Sustainable Development Indicators in the Minerals Industry) conference cycle.

Lectures are offered in underground production of mineral resources, mine ventilation, business administration, rock mechanics, underground waste disposal and health and safety.

Research comprises amongst others: mine planning and systems optimization, sustainable development in mining, risk assessment, waste disposal, occupational health and safety, market analysis.

Dr. Zhenqi Hu

**China University of Mining & Technology (Beijing)
Director of Engineering Research Center of Mining Environment and
Ecological Safety, Ministry of Education of China**



Dr. Zhenqi Hu is a Professor of China University of Mining and Technology (Beijing). His teaching and research fields are mine surveying, land resource management and mining environment. Major research interests are land reclamation and ecological restoration, application of 3S (RS,GPS and GIS) in land and environmental science, land use and management.

Professor Hu got his Ph.D, M.E and B.E in mine surveying from China University of Mining and Technology in 1991,1987 and 1984. He ever studied in Mining Engineering Department of Southern Illinois University at Carbondale as a joint training Ph.D. candidate between USA and China for his doctorate research on land reclamation from February 1989 to May 1991. He had one year research experience in the field of contaminated land reclamation at Camborne School of Mines, University of Exeter, UK as an Honorary Research Fellow, supported by the Royal Society from September 1996 to September 1997. Now he is the director of Engineering Research Center of Mining Environment and Ecological Safety of Ministry of Education of China.

He is a member of Coordinating Committee of International Affiliation of Land Reclamationists, member of the Editorial Board of the International Journal of Surface Mining, Reclamation and Environment and deputy director of China Land Reclamation Society.

Professor Hilary I. Inyang

**Duke Energy Distinguished Professor and Director
Global Institute for Energy and Environmental Systems (GIEES)**



Web site links:

<http://www.coe.uncc.edu/~hiinyang/Resume.pdf>

<http://www.gadr.giees.uncc.edu/president.cfm>

<http://www.iseg.giees.uncc.edu/president.cfm>

Dr. Hilary I. Inyang is the Duke Energy Distinguished Professor and Director of the Global Institute for Energy and Environmental Systems of the University of North Carolina-Charlotte. His research focuses on contaminant leachability and waste containment systems. He holds a PhD from Iowa State University, MS, BS from North Dakota State University and B.Sc. from Calabar (Nigeria). He is the author/co-author of 180 research articles, book chapters, federal design manuals and textbook: Geoenvironmental Engineering: principles and applications. He has given more than 110 invited lectures in 14 countries; served on 49 government/agency committees and 73 panels/committees of professional organizations and conferences, and has chaired/co-chaired 12 international conferences in 7 countries. He has served on the editorial boards of 27 refereed international journals (including service as guest editor of 19 special issues, associate editor of 6 journals and editor-in-chief of one journal), and Honorary Theme Editor of UNESCO's Encyclopedia of Life Support Systems (EOLSS). He chaired the USEPA Science Advisory Board Environmental Engineering Committee (EEC).

Zou Jian

**President of China Metallurgical
Mining Corporation, China**



Zou Jian is a Professional Engineer and currently holds the post of the president of China Metallurgical Mining Corporation (Artificial Person), the executive council of Metallurgical Mines' Association of China, vice-chairman of China Mining Association, managing director of china Iron & Steel Association and the committeeman of International department in World Mining Congress.

Mr. Zou graduated from University of Science and Technology Beijing with a degree in mineral engineering in resource project in 1982, and then earned a Master of Science in mineral engineering in resource project in the same university in 1987. The dissertations which was wrote by Zou, jian more than ten has been readout and published in domestic academic conferences and many counties such as Canada and Australia etc. many times.

Ivan Montenegro de Menezes



Ivan Montenegro de Menezes is a mechanical engineer with extensive experience in the mining industry. He graduated from the Universidade Federal de Minas Gerais, in Brazil, in 1989. He also holds an MBA from Fundação Dom Cabral, and completed post-graduate education on production management, also from Universidade Federal de Minas Gerais, and on applied geosciences and mining technology from the University of Luleå, Sweden.

His primary fields of expertise are in mine operations and maintenance, engineering and projects management. He was appointed a Project Coordinator within Companhia Vale do Rio Doce in 2006, acting in projects throughout the globe, including North and South America, Africa and Asia.

Mr Menezes is the author of two books on his fields of experience, the first on Industrial Maintenance and Engineering, and the second on Operating Excellence. Besides, he has presented several papers on international symposia, 3 of them in MPES. For the past three years Mr Menezes has been collaborating with MPES as a member of the International Organizing Committee.