

ISME-IX Program Draft (July, 31)

2006/9/19 (Tuesday)

- 9:00-9:15** **Opening Ceremony**
9:00-9:05 Greeting Speech by the Chair
9:05-9:10 Greeting Speech by the Vice-Chair
9:10-9:15 Welcome Speech by ITB Rector

Chairman: Ryoichi Kouda (Geological Survey of Japan)

- 9:15-9:45 **Keynote Lecture (1)**
Donald A. Singer (USGS, USA)
Reducing risk in exploration under cover
- 9:45-10:15 **Keynote Lecture (2)**
Katsuaki Koike (Kumamoto University, Japan)
How can we model correctly invisible geologic structures and properties from small pieces of geological information?

Chairman: Eric Goh (University Science Malaysia)

- 10:30-11:45** **Session (1) Geostatistics, GIS, Potential Mapping**
- 10:30-10:45 Mohamad Nur Heriawan and Katsuaki Koike
Transition probability geostatistics for spatial variability of coal sequences and qualities
- 10:45-11:00 Hisafumi Asaue, Kinichirou Kusunose, Ryoichi Kouda, and Toshiaki Ueki
Three-dimensional deep structures modeling by probability distributions of stratigraphy existence for geological storage of carbon dioxide
- 11:00-11:15 Chen Jian-ping, Lu Peng, Zhu Peng-fei, and Zeng Min
Regional resource potential quantitative prediction and evaluation to the northern three-river area in southwest China base on ore deposit scale model
- 11:15-11:30 Lilik Eko Widodo and Yoszi Mingsi Anaperta
Natural resource estimation using finite element method - case study: coal resource estimation
- 11:30-11:45 E.J.M. Carranza and H. Wibowo
Regional-scale geothermal prospectivity mapping in West Java (Indonesia) by application of data-driven evidential belief functions

-----Lunch-----

Chairman: Hery Harjono (Indonesian Institute of Sciences)

- 13:00-13:30 **Keynote Lecture (3)**
Sudarto Notosiswoyo (Institut Teknologi Bandung, Indonesia)
(TBA)

Chairman: Chen Jian-Ping (China University of Geosciences)

- 13:30-15:00** **Session (2) Environmental Geology, Hydrology**
- 13:30-13:45 Tin May Htun, I Wayan Warmada, Agung Harijoko, Rodhie Saputra, Lucas Donny Setijadji, Koichiro Watanabe, and Akira Imai
Arsenic and heavy metals contamination in small scale mining Selogiri area, Wonogiri regency, Central Java, Indonesia
- 13:45-14:00 M. Ohara, B. Munkhtsengel, and N. Tsuchiya
Heavy metal concentrations in soils around the Erdenet porphyry Cu-Mo mine in Mongolia for environmental evaluation
- 14:00-14:15 Lambok M. Hutasoit and Irwan Iskandar
Potential arsenic source and recharge area in Buyat village

- 14:15-14:30 Lambok M. Hutasoit and Agus Mochamad Ramdhan
Recharge area and the origin of brackish water in East Bandung: result of exploration well
- 14:30-14:45 Budi Kurniawan and Kenji Jinno
Transport model of multi-species chlorinated organic compound in multi-layer saturated porous media

Chairman: Toshihide Ito (Kansai University, Japan)

15:00-16:00 Session (3) Resource Economics

- 15:00-15:15 A.S.M. Subandrio
Indonesian banded iron formation (BIF): a new challenge of iron deposit by controversial discovery of BIF in Tanggamus area – Lampung, South Sumatra
- 15:15-15:30 Kaoru Yamaguchi
International comparison of policy initiative for geothermal resources - what are the impacts of the renewability and sustainability agenda on geothermal resource utilization and their technologies?
- 15:30-15:45 Aryo P. Wibowo, Rini Novrianti, and Fadhila A. Rosyid
Optimizing Indonesian coal supply-demand toward coal conservation as energy resources
- 15:45-16:00 B. Sulistijo and T. Indriati
The characteristic of lateritic iron ore in Kalimantan

16:00-17:30 Poster Sessions

- P1 Novriadi and Totok Darijanto
Applying fuzzy logic method in mineral potential mapping for epithermal gold mineralization in the island of Flores, East Nusa Tenggara using geographical information systems (GIS)
- P2 H. Wibowo, E.J.M. Carranza, and S.D. Barritt
Spatial data analysis in regional-scale geothermal prospectivity mapping: a case study in West Java, Indonesia
- P3 Toshiaki Ueki
(TBA)
- P4 Rachmat Fajar Lubis, Yasuo Sakura, and Robert Delinom
Heat as groundwater tracer in Jakarta and Bandung groundwater basin, Indonesia
- P5 Susumu Nishimura
Biogeochemical carbon cycle in thick loose sediments in lake and lagoon basins and its application
- P6 Dudi Nasrudin and Sudarto Notosiswoyo
The determination of alteration zone based on temperature and mineral alteration onto the Mataloko-03 geothermal exploration well, in Flores, East Nusa Tenggara
- P7 Syafrizal, Akira Imai, and Koichiro Watanabe
Descriptive and genetic models of the Ciurug-Cikoret veins, Pongkor Au-Ag epithermal deposit, West Java, Indonesia
- P8 Arif Zardi Dahlius and Irwan Iskandar
Mineralogical and chemical properties of manganese nodules in Reo, Flores island developed from soil materials
- P9 Sudarsono
Structural controls on hydrothermal mineralization at Cupunagara area, Subang, West Java
- P10 Ginting Jalu Kusuma and Rudy Sayoga Gautama
Study on the effect of rainfall to surface coal mine productivity
- P11 Sri Indarto
Petrography and geochemistry of volcanic rocks at Cupunagara, Subang regency, West Java
- P12 Keli Goulart, João Felipe Coimbra Leite Costa, and Jair Carlos Koppe

- P13 Geophones coupling influence in vibration readings
Hojjatollah Ranjbarr, Sara Fakharrri, and Gholam Reza Kamali
Alteration mapping in the southern part of the Central Iranian volcanic belt by using
ASTER and TM data

19:00 Banquet

2006/9/20 (Wednesday)

Chairman: Katsuaki Koike (Kumamoto University, Japan)

- 9:00-9:30 **Keynote Lecture (4)**
Ryoichi Kouda (Geological Survey of Japan)
(TBA)
- 9:30-10:00 **Keynote Lecture (5)**
Eric Goh (University Science Malaysia)
Internationalization of minerals industry worldwide via innovative sustainable
development and research excellence

Chairman: Donald Singer (USGS, USA)

- 10:15-11:45 Session (4) Resources Geology, Mineralization**
- 10:15-10:30 Dagnev Girmay, Totok Darijanto, Emmy Suparka, and Bambang Setiawan
Controlling factors of the supergene gold-silver enrichment on epithermal
Pongkor deposits, West Java, Indonesia
- 10:30-10:45 Anastasia Dewi Titisari, Arifudin Idrus, and I Wayan Warmada
Mineralogical and geochemical characteristics of the Klepu pink limestone,
Kokap, Yogyakarta, Indonesia
- 10:45-11:00 A. Idrus, J. Kolb, F.M. Meyer, and A. Perdanakusumah
Halogen chemistry of biotite from the Batu Hijau deposit, Sumbawa island,
Indonesia: an implication for genesis and exploration of the porphyry copper-
gold systems
- 11:00-11:15 Bambang Kuncoro Prasongko, Sudarto Notosiswoyo, Komang Anggayana, and
Agus Haris Widayat
Characteristics of sulfur content of coal seam in Pasir and Tenggara area,
East Kalimantan, Indonesia
- 11:15-11:30 Iwan Setiawan
Mineralization and mineral assemblages in hydrothermally altered rocks at
Cupunagara area, Subang, West Java
- 11:30-11:45 Toto A.F. Sumantri
Hydrothermal mineralization in Cupunagara area, Subang regency, West Java

-----Lunch-----

Chairman: Irwandy Arif (Institut Teknologi Bandung, Indonesia)

- 13:00-13:30 **Keynote Lecture (6)**
Jeffrey Mulyono (Indonesian Mining Association)
Challenges and roles of IMA in facing the environment requirement

Chairman: Suseno Kramadibrata and Ridho Wattimena (Institut Teknologi Bandung, Indonesia)

- 13:30-16:00 Session (5) Mining Engineering**
- 13:30-13:45 Yasutoshi Nomura, Toshihide Ito, Hitoshi Huruta, and Warren Agena
Optimization of dump truck scheduling in open pit mines via a genetic
algorithm
- 13:45-14:00 Rajesh C. Iyer, Pankaj Gohil, Amit K. Iyer, and Shridhar Bhat

- Design and development of a field internal joint lining machine for sub-sea pipe line network
- 14:00-14:15 Sonny Irawan and Ariffin Samsuri
Drilling mud material cost saving through utilization of treated Malaysian local bentonite
- 14:15-14:30 Nuhindro Priagung Widodo, Kyuro Sasaki, Rudy Sayoga Gautama, and Risono
The application of tracer gas method for evaluating a mine ventilation at Pongkor Gold Mine, PT. Aneka Tambang Tbk., Indonesia
- 14:30-14:45 Komang Anggayana, Agus Haris Widayat, Ari Naftali Hawu Hede, and Ringgo Syahtriano
Study of the effect of grain size distribution after crushing and grinding to quality and petrographic composition of coal, Kendisan and Suparto blocks East Kalimantan, Doi-Doi and Tondong Kura blocks South Sulawesi, Indonesia

-----Break-----

- 15:00-15:15 Keli Cristiane, João Felipe Coimbra Leite Costa, and Jair Carlos Koppe
Estimation of influent parameters on vibration originated from seismic waves produced by blasting with explosives
- 15:15-15:30 Budi Sulistianto, Ridho K. Wattimena, Irwandy Arif, and Widhy S. Sudirman
Low-wall stability analysis, case study at Abimanyu coal open-pit, PTAI Satui Mine, South Kalimantan, Indonesia
- 15:30-15:45 Hendra Amijaya and Marno Datun
Expulsions of liquid hydrocarbons in low rank coal, lessons from petrographical study on Tanjung Enim coals, South Sumatra basin, Indonesia
- 15:45-16:00 Suseno Kramadibrata
Practical application of used oils in the manufacture of bulk explosive ANFO

Chairman: Prihadi Sumintadireja (Institut Teknologi Bandung, Indonesia)

16:15-17:30 Session (6) Geophysics, Geochemistry, Remote Sensing

- 16:15-16:30 W.G.A. Kadir, R. Sule, M.M. Hasan, and S. Notosiswoyo
Investigating iron-ore deposits by using magnetic method: case study at Belitung island, Indonesia
- 16:30-16:45 Kenta Suetsugu, Tohru Yoshinaga, and Katsuaki Koike
Radon in terrestrial gas as useful indicator for characterizing fault activity and geothermal reservoir
- 16:45-17:00 Asep Saepuloh and Katsuaki Koike
Effectiveness of Pi-SAR polarimetric data for detecting surface condition of an active volcano
- 17:00-17:15 Hojjatollah Ranjbarr, Sara Fakharr, and Gholam Reza Kamali
Integration of ASTER and airborne geophysical data for exploration of copper mineralization - a case study of Kooh-Panj area
- 17:15-17:30 Hojjatollah Ranjbarr
Application of multisensor data fusion techniques for lithological and hydrothermal mapping - a case study of Sar Cheshmeh area, Iran

17:30-17:45 Closing Ceremony

- 17:30-17:35 Conference Summarization by Secretariat
- 17:35-17:40 Closing Speech by the Head of Department of Mining Engineering ITB
- 17:40-17:45 Closing Speech by Dr. Ryoichi Kouda