

SCIENTIFIC PROGRAM

October 2-4, 2008

Day 1, October 2, 2008

Quezon Ballroom, Sulo Hotel

0730-0830 REGISTRATION

0830-0930 Opening Ceremonies

Dr. Karlo Queaño

Master of Ceremonies

National Anthem

Welcome Address

Dr. Nathaniel Servando

Co-Chair, RPSM²inT

Introduction of Keynote Speaker

Dr. Graciano Yumul Jr.

Undersecretary, Department of Science and Technology

Keynote Address

Honorable Estrella Alabastro

Secretary, Department of Science and Technology

Session 1: The search for mineral and energy resources: Current trends and emerging ideas

Moderator: Victor Maglambayan

Rapporteur: Rolando Peña

0930-0950 Geologic setting and current status of the Philippine mining industry

E. Domingo

0950-1010 Empirical models for porphyry copper systems

R. Aquino & C. Angeles Jr.

1010-1030 Overview of porphyry-type Cu mineralization in Namosi District (Waivaka and Waisoi), Viti Levu, Republic of the Fiji Islands

*A. Imai, T. Tanaka, S. Egashira, Y. Ohbuchi, K. Masaki, K. Yasunaga
& K. Maeda*

1030-1040 Rapporteur

1040-1050 Coffee Break

Session 2: The search for mineral and energy resources: Current trends and emerging ideas

Moderator: Eric Andal

Rapporteur: Jun Angeles

1050-1110 Structural, geological and mineralogical characterization of a gold-silver epithermal deposit overprinting multi-stage intrusive events: The Kay Tanda deposit, Lobo, Batangas

M. Aurelio, E. Comsti & the MRL Exploration Team

- 1110-1130 Metallogenesis of hydrothermal deposits in Kamchatka based on formation age and sulfur isotopic composition
R. Takahashi, K. Watanabe, A. Imai, V. M. Okrugin, H. Matsueda & S. Ono
- 1130-1150 Myths in gold exploration in Eastern Mindanao
R. Quebral
- 1150-1210 Behaviour of gold (Au) in intermediate arc magmas and demonstration of the effect of sulphur: Experimental and geochemical approach on adakitic magmatism of North-Luzon (Philippines)
S. Jégo, M. Pichavant & J. Mavrogenes
- 1210-1220 Rapporteur
- 1220-1300 Lunch Break**

Session 3: The search for mineral and energy resources: Current trends and emerging ideas

Moderator: Edanjarlo Marquez
Rapporteur: Noe Caagusan

- 1300-1320 REE mineralization in laterite and bauxite in the Bolaven Plateau in Southern Laos
Y. Watanabe, T. Moriyama & K. Sanematsu
- 1320-1340 Enrichment of rare earth elements in weathered crust of tin-bearing granitic rocks, Southern Thailand
A. Imai, K. Sanematsu, S. Ishida, K. Watanabe, J. Boosayasak
- 1340-1400 Geochemical and mineralogical insights into some Philippine nickel laterite deposits
C. Arcilla
- 1400-1420 New exploration concepts employing seismic stratigraphy highlight North Palawan Basin's pre-Neogene potential
J. Acosta et al.
- 1420-1440 Establishing major permeability controls in the Mak-Ban Geothermal Field
R. Vicedo, J. Stimac, V. Capuno & J. Lowenster
- 1440-1450 Rapporteur
- 1450-1520 Coffee Break / Poster Session**

Session 4: Tectonic evolution of island arcs: Clues from collision events and crustal motions

Moderator: Elmer Billedo
Rapporteur: Karlo Queaño

- 1520-1540 A tale of two collisions – Taiwan and Mindoro
L. Teng & C. Dimalanta

- 1540-1600 Possible effects of arc-continent collision on magma evolutions in Taiwan and Philippines: Geochemical constraints
T.-F. Yang
- 1600-1620 Crustal motions in the Philippines derived from more than 15 years of GPS measurements
T. Bacolcol, S.-B. Yu, R. Solidum Jr., Y.-J. Shu & E. Barrier
- 1620-1640 Recent faulting in Lanao
R. Quebral
- 1640-1700 The Mindoro granite gneiss at Puerto Galera: Where to go from here?
U. Knittel
- 1700-1720 Miocene sea level changes in Southeast Asia: Insights from western Taiwan
N.-T. Yu, L.-S. Teng & W.-S. Chen
- 1720-1730 Rapporteur

1800 Cocktails: Crispin Lecture Hall, Petrolab, Mines and Geosciences Bureau

Day 2, October 3, 2008

Quezon Ballroom, Sulo Hotel

Session 5: The life of a mine: Sustainable and environment-friendly operations

Moderator: Rodolfo Tamayo Jr.
Rapporteur: Ray Flores

- 0900-0920 Slope characterization for mine pit design purposes
G. Cardiel
- 0920-0940 Rock alteration products in their possible novel applications in nanotechnology
C. Pascua
- 0940-1000 Extractive metallurgy of nickel from laterites
J. Calvez
- 1000-1030 Coffee Break / Poster Session**
- 1030-1050 Environmental measures in nickel leaching operation
A. Manto
- 1050-1110 Averting a major mercury tragedy in Philippine small-scale gold mining areas - A call to action
P. Appel & V. Maglambayan
- 1110-1130 Final mine rehabilitation and decommissioning plan
R. Velasco, Jr.

- 1130-1140 Rapporteur
- 1140-1200 Orientation on the fieldwork
F. Jimenez, Jr.

1200-1300 Lunch Break /Poster Session

Session 6A: Geological, meteorological and hydrological interactions: Critical factors in the real world

Moderator: Nathaniel Cruz
Rapporteur: Fredolina Baldonado

- 1300-1320 A comparative analysis of climatological data in Ilocos Norte
C. Iglesia
- 1320-1340 An investigation of the wet spell events in the Philippines during the East Asian monsoon experiment (EAMEX) on May – June 2008
E. Cayanan
- 1340-1400 Observed trends of extreme events in the Philippines and some implications on the mining industry
L. Tibig
- 1400-1420 Significance of atmospheric and marine conditions to exploration and mining: Berong Nickel Laterite Mine, Quezon, Palawan, Philippines
R. Flores
- 1420-1430 Rapporteur
- 1430-1440 Coffee Break**

Session 7: Forces of nature: Prediction, mitigation and adaptation

Moderator: Decibel Faustino
Rapporteur: Karlo Queaño

- 1440-1500 Quantification of potential tsunami penetration onto coastal areas
E. Cruz
- 1500-1520 The READY Project
R. Solidum
- 1520-1540 Assessment of the landslide and flooding susceptibility of the mountain ranges and river systems in Western Panay in the aftermath of Typhoon Frank
L. Suerte, M. Magarzo & L. Juguan
- 1540-1600 *Managing landslide risks: Holcim Lugait experience*
J. Manzano, Jr. & J. Baliog

1600-1620 Challenges and opportunities in geologically hazardous areas: The case of the Taal Volcano
C. Dayanghirang

1620-1630 Rapporteur

Session 8: Resolving key issues in the geosciences: Academic-government-industry partnership

Moderator: Carina Lao
Rapporteur: Chelo Pascua

1630-1650 Geoscience education
R. Claveria

1650-1710 Public-private sector partnership in the geosciences
A. Morillo

1710-1730 A national geoscience conglomerate
G. Yumul, Jr. & C. Dimalanta

1730-1740 Rapporteur

1740 Closing remarks
Carla Dimalanta
Chair, RPSM²INT

1800 Cocktails: U.P. – National Institute of Geological Sciences

Day 2, October 3, 2008

Round Table Discussion on the Mining and Minerals Industry: S&T issues at hand

Soliman/Sikatuna Room

Moderator: Ninaliza H. Escorial

1300-1325 Introduction
Engr. Raul Sabularse
Philippine Council for Industry and Energy Research and Development

Welcome Remarks
Dr. Graciano Yumul Jr.
Department of Science and Technology

1325-1455 Presentations
Reactor Discussants

1455-1510 Coffee Break

1510-1640 Open Forum

1640-1650 Commitments / Agreements

1650-1700 Closing Remarks

Day 3, October 4, 2008

- 0700 Departure from Quezon City for Batangas
- 1100 Hydrothermal breccias, Bgy. Nagtoctoc, Lobo
- 1130 *Lunch Break***
- 1230 Hydrothermal breccias with pyritic zone, Bgy. Nagtaluntong
- 1400 Qtz-barite ± vein in altered andesite host, Old Lobo Mine
- 1500 Multiple porphyry intrusive complex, MRL core house
- 1630 Oxide zone in host diorite porphyry, Taysan