

Annual Geological Conference 2002

Geological Society of Malaysia
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PERSATUAN GEOLOGI MALAYSIA
GEOLOGICAL SOCIETY OF MALAYSIA



ANNUAL
GEOLOGICAL
CONFERENCE 2002

Renaissance Hotel, Kota Bharu
Kelantan

26–27 May 2002

*Geoscience for the betterment of environmental
stewardship in Malaysia*

Collaborators:
Minerals & Geoscience Department Malaysia
Universiti Kebangsaan Malaysia
University of Malaya
Universiti Sains Malaysia
Institute of Geology Malaysia

**FINAL
CIRCULAR
April 2002**

Introduction

The Geological Society of Malaysia (GSM) is organising the 16th Annual Geological Conference at the Renaissance Hotel, Kota Bharu, Kelantan from 26th to 27th May 2002. The annual conference has been held since 1986 and is a national event well-attended by geoscientists from academia, as well as the public and the private sectors.

Malaysia has intensified her development programmes in tandem with Vision 2020. The consequences would be an increased in environmental problems and hazards. Geoscientists may contribute their knowledge and expertise to mitigate related increase in geohazards such as landslides and slope failures. In addition, geoscientist may also help in giving guidelines to relevant agencies involved in resource exploitation for development in terms of environmental limits for sustainability. Thus this annual conference can be a venue for geoscientist to bring forward their findings and experience in some ways relevant to this year's annual geological conference theme "Geoscience for the betterment of environmental stewardship in Malaysia". Several thematic papers will be presented to highlight the important contributions of geoscience to this cause.

Scientific Programme

The scientific programme of the Annual Geological Conference 2002 consists of the plenary session, five technical sessions and two field trips.

The following papers will be presented at the Conference:

ENGINEERING GEOLOGY / HYDROGEOLOGY

- **Rainfall-runoff trends in the upper Sg. Bertam drainage basin, Cameron Highlands, Peninsular Malaysia** (*Keynote Address by John Kuna Raj — UM*)
- Physico-chemical properties of andesitic soils in the Kg. Awah area, Pahang (*Tan, B.K. & Yew, C.K. — UKM*)
- Laterite revisited: Mode of formation (*Abd. Rashid Ahmad & G.H. Teh — UM*)
- Sifat geologi kejuruteraan batuan kuarzit di Bangi Golf Resort, Bandar Baru Bangi, Selangor Darul Ehsan (*Abdul Ghani Rafek et al. — UKM*)
- Perubahan fasies hidrokimia dalam akuifer aluvium pantai: Kajian kes di kawasan Pekan-Nenasi, Pahang (*Ismail C. Mohamad et al. — JMG*)
- Mata air Panas Sg. Mering, Lojing, Gua Musang, Kelantan (*Kamal Roslan Mohamad et al. — UKM*)
- Ragam taburan ketakselajaran di dalam profil luluhawa batuan metasedimen (*Tajul Anuar Jamaluddin — UM*)
- Effect of lime on permeability and microstructure of soil (*Baba Musta et al. — UTM*)
- Hydrogeological investigations by surface geoelectrical method in hard rock formations — a case study (*Abdullah Taheri, Iran*)

PETROLOGY / GEOCHEMISTRY

- Tren unsur-unsur nadir bumi (REE) Suit Stong, Jeli, Kelantan (*Mohd. Rozi Umor & Hamzah Mohamad — UKM*)
- Kajian geokimia batuan igneus di sepanjang jalan Kulai-Simpang Layang-Layang, Kulai, Johor Darul Takzim (*Arsnah Durrar Arshad & Mohd Rozi Umor — UKM*)
- Geokimia batuan granit di sepanjang jalan dari Kangkar Pulai ke Pekan Nenas, Pontian, Johor Darul Takzim (*Nor Ibtisam Yunus & Mohd Rozi Umor — UKM*)

REGISTRATION FORM

Name: _____

Profession: _____

Organisation: _____

Address: _____

Type of Membership: _____

Tel: _____ Fax: _____

E-mail: _____

No. of accompanying person(s): _____

Please tick the appropriate box:

- I would like to participate in the Annual Geological Conference 2002
- I would like to participate in the Pre-Conference Fieldtrip
- I would like to participate in the Post-Conference Fieldtrip
- I will require accommodation at the Renaissance Hotel, Kota Bharu (RM160 nett per night)
- I would like to join the MAS group booking

Signature

Date

Please complete and return this form to the Geological Society of Malaysia together with appropriate registration fees. Please use separate forms for accompanying spouse and children.

IMPORTANT INFORMATION

Accommodation

Accommodation is at the participant's own expense but reservations at the Renaissance Hotel, Kota Bharu, Kelantan have to be made through the Geological Society of Malaysia three weeks in advance. Any cancellation should be made at least 7 days prior to the check in date. Considering the school holiday period, early booking is strongly recommended. Accommodation includes cross-usage of the facilities and free scheduled shuttle service to the Kota Bharu City Centre. If outside accommodations are preferable, please make your own reservations early.

Getting there

Driving

To get to Kota Bharu from Kuala Lumpur, you have to take the Karak Highway. Then, you can either take the Bentong-Gua Musang route (estimated travel time 6–7 hours) or the Kuantan-Kuala Terengganu route (travel time 8–10 hours).

Bus/Coach

Daily bus/coach services from Kuala Lumpur to Kota Bharu are available at the Hentian Putra station (near the PWTC) and the Pudu Bus Station. The fare is about RM30 one way. Please purchase the ticket early to avoid disappointment.

Flight

MAS offers five daily flights to Kota Bharu, departing either from Subang and KLIA. The return fare is RM336. A special group rate of RM 257 is given for a group of 3 or more people staying a minimum of 3 nights in Kota Bharu. The Geological Society of Malaysia is arranging for a Group to depart from the Subang Airport at 9.50 am on Saturday 25th May 2001. Reservations should be made through the Geological Society of Malaysia using the Registration Form. The hotel does not provide a shuttle service to the airport. Taxi fare from airport to hotel is about RM17–RM25.

Enquiries

For further information, please contact:

The Secretariat
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j4ismail@umcsd.um.edu.my (organising chairman)

- Kajian geokimia batuan igneus sekitar Gunung Pulai, Johor (*Sia Chee Chuan & Mohd Rozi Umor — UKM*)
- Description of some important textures and paired host-enclave geochemistry of Mafic Microgranular Enclaves (MME) in the Eastern Belt granite, Peninsular Malaysia: Preliminary observation (*Azman Ghani — UM*)
- High Ba igneous rocks from the Central Belt of Peninsular Malaysia and its implication (*Azman Ghani et al. — UM*)
- Petrology of dioritic rocks from the Pemanggil Island, Johore (*Mohd. Basri Ismail et al. — UM*)
- Magmatic epidote: probable absence and implication to the geobarometry of the granitic rocks from Peninsular Malaysia (*Anuar Ismail & Azman A. Ghani — UM*)
- Geochemistry mafic dykes from the Perhentian and Redang Islands: an example of the younger (dolerite) dykes petrogenesis from the Eastern Belt of Peninsular Malaysia (*Azman Ghani et al. — UM*)
- Geochemical characteristics of the granitic rocks from Boundary Range Batholith, Peninsular Malaysia (*Abdul Rashid Ahmad et al. — UM*)
- Komposisi unsur surih dan major di sepanjang profil luluhawa syal Formasi Mahang di Sungai Merbok, Kedah (*Habibah Jamil & Wan Fuad Wan Hassan — UKM*)
- EPMA and petrographic studies of amang from the Kinta and Klang Valleys, Peninsular Malaysia (*Teh Guan Hoe & Irdawati Lokman — UM*)
- EPMA study of gold from Kalai-Sokor areas, Kelantan (*Teh Guan Hoe et al. — UM*)
- EPMA study of heavy minerals from the Annah Rais-Bayur area, First Division, Sarawak (*Teh Guan Hoe & Donny Osmond — UM*)
- EPMA characterisation of cassiterite from the Kuala Lumpur area (*Teh Guan Hoe & Cheng Kwong Kiong — UM*)
- Organic petrological characteristics of limnic and paralic coals of Sarawak (*Wan Hasiah Abdullah — UM*)

ENVIRONMENTAL & CONSERVATION GEOLOGY / GEOTOURISM / TECTONIC & STRUCTURAL GEOLOGY / MINERAL RESOURCES

- Rangkabentuk penilaian indikator pembangunan mampan berasaskan interaksi kerja kejuruteraan dan persekitaran geologi di Multimedia Super Koridor (*Rohayu Che Omar et al. — UKM*)
- Climate change and chalk aquifer groundwater resources in West Norfolk, UK (*Ismail Yusoff — UM*)
- Landskap geologi Kompleks Migmatik Stong, Kelantan (*Tanot Unjah et al. — UKM*)
- Warisan geologi dan potensi geopelancongan Kepulauan Aman, Gedong, P. Pinang (*Ibrahim Komoo & Tanot Unjah — UKM*)
- Shock structure in Peninsular Malaysia: Evidence from Kedah dan Pahang (*H.D. Tjia & Mazlan Mohd. Zain — PRSS*)
- Late Mesozoic-Early Tertiary faults of Peninsular Malaysia (*Zaiton Harun — UKM*)
- Type deposits of primary gold mineralizations in Central Belt Peninsular Malaysia (*Wan Fuad Wan Hassan & Heru Sigit Purwanto — UKM*)
- Petrografi agregat dari kauri IJM, Labu, Negeri Sembilan (*Nurul Ashikin et al. — UKM*)

SEDIMENTOLOGY / STRATIGRAPHY

- Stratigraphy of the transitional sequence from the Setul limestone to Kubang Pasu Formation at Guar Sanaï, Beseri, Perlis — a preliminary study (*Meor Hakif Hassan & Lee Chai Peng — UM*)
- Stratigrafi seismos lembangan Penyu, Laut Cina Selatan (*Liw Yen Chai et al. — UKM*)
- Sedimentological study at Bukit Belah, Batu Pahat, Johor (*Nur Syamsiah Abdul Majid & Uyop Said — UKM*)
- Plant fossils from Bukit Belah, Batu Pahat, Johor (*S. Norizan Yaacob & Uyop Said — UKM*)
- Palynological study on a rock sequence at Bandar Tenggara, Johor (*Yap Siew Fong & Uyop Said — UKM*)
- Palynomorph assemblage from Keratong, Pahang: Its age and emergence of angiospermlike pollen (*Uyop Said — UKM*)

- Middle Miocene planktonic foraminifera and their complication in the geology of Sabah (*Basir Jasin — UKM*)
- Early Permian sequence from Sungai Itau quarry Langkawi: Its age, depositional environment and palaeoclimatic implication (*Mohd. Shafeea Leman & Asmaniza Yop — UKM*)
- Sedimentary sequence in the subsurface of the Pekan coastal plain, Pahang (Che Aziz Ali — UKM)
- Holocene sea level change in Peninsular Malaysia (*Kamaluddin Hassan — JMG*)

GEOSCIENCES TOOLS AND TECHNIQUES

- Putrajaya Gneiss (?): The occurrence and classification of hard and abrasive rock body and implication to the construction activity (*Abd. Rasid Jaapar & et al. — Soil & Foundation*)
- Geological modelling for site characterization using sufficient and insufficient subsurface exploration data: case histories and lesson learned (*Abd. Rasid Jaapar — Soil & Foundation*)
- Penggunaan kaedah pengimejan kerintangan geoelektrik dan isotop sekitaran dalam kajian air resapan di empangan Durian Tunggal, Melaka (*Rahman Yaccup et al. — MINT*)
- Geophysical mapping of saltwater intrusion in Kerpan coastal area, Kedah (*Abd. Rahim Samsudin et al. — UKM*)
- Survei graviti di Ulu Melaka, Pulau Langkawi, Kedah (*Lim Cheng Han et al. — UKM*)
- Teknik-teknik geoelektrik dalam pemetaan air masin di Kuala Selangor (*Siti Zalifah Jumary et al. — UKM*)
- Prospecting for iron ore in the Bedong area, Kedah using geophysical techniques (*Lee, C.Y. & Abdoul Fatah, I.H. — USM*)
- A meaningful correlation between shallow seismic refraction interpretation to borehole data for site investigation (*Samsudin Taib — UM*)
- Interpretation of the magnetic anomaly in Mersing-Endau area (*Hafizul Hasri & Samsudin Taib — UM*)
- Compressibility and modulus of joint under uniaxial compression (*Mohd. For Mohd. Amin & Haryati Awang — UTM*)
- Penggunaan seismos biasan dalam pencirian tapak tambakan di tapak projek pembinaan Kamsis-H, UKM, Bangi (*Khairul Anuar Mohd Nayan et al. — UKM*)
- Penggunaan teknik gelombang permukaan (SASW) dalam kajian geologi kejuruteraan (*Mohd. Azmi Ismail et al. — UKM*)
- Detection of seismic phases from a major earthquake on a local seismogram (*Che Norliza Lat — UM*)
- Limestone erosion rate measurement using the micro erosion meter: a preliminary studies (*Ros Fatimah Muhammad — UM*)
- SOS (Slurry or slime) (*Chow Weng Sum & Yunus Abdul Razak — JMG*)
- The effect of the major faults and folds in the hard rock groundwater potential mapping: an example from Langat Basin, Selangor (*Khairul Anam Musa et al. — MACRES*)

Tentative Programme

Saturday, May 25, 2002

- 08.00–17.00 : Pre-Conference Field Trip — Stong Suite/Complex
- 14.00–19.00 : Hotel Registration
- 20.00–21.30 : Dinner

Sunday, May 26, 2002

- 08.00–08.30 : Registration
- 08.30–10.00 : Opening Ceremony by Y.A.B. Dato' Nik Abdul Aziz Nik Mat Menteri Besar Kelantan Darul Naim
- 10.00–11.00 : Poster Session A/Tea Break
- 11.00–13.10 : Technical Session I
- 13.10–14.20 : Lunch/Prayer Break

- 14.20–16.00 : Technical Session II
- 16.00–16.30 : Tea Break
- 19.30–22.00 : Dinner

Monday, May 27, 2002

- 08.30–10.00 : Technical Session III
- 10.00–11.00 : Poster Session B/Tea Break
- 11.00–13.10 : Technical Session IV
- 13.10–14.20 : Lunch/Prayer Break
- 14.20–16.00 : Technical Session V
- 16.00–16.30 : Tea Break
- 16.30–17.00 : Closing Ceremony

Tuesday, May 28, 2002

- 08.00–17.00 : Post-Conference Field Trip — Geology Malaysia-Thai border area

Field trips

Pre-Conference Fieldtrip: A field visit to Stong Complex, Jeli, Kelantan

A visit to Gunung Stong, Sg. Terang, Sg. Renyok (Mini Hydro Dam), km 561 East-West Highway and Sg. Long (Noring Granite — rich in hornblende)

Date:

Friday, 24 May 2002

8.00 am Departure from UKM (Accommodation at Rumahtamu TNB, Jeli)

Saturday, 25 May 2002

8.00 am Depart for Gunung Stong

(Charge: Members RM10, Non-Members RM20, Student Member RM5)

Leader:

Mohd. Rozi Umor (UKM)

Minimum number:

10 participants

Post-Conference Fieldtrip: A field visit to the Malaysia-Thai border area

A visit to Bukit Panau (Tanah Merah), Bukit Tandak, Rantau Panjang (lunch/prayer/shopping), Kg. Bukit Perdah and Pantai Seri Tujuh. Please bring along passport if you intend to cross the border.

Date:

Tuesday, 28 May 2002

8.00 am Departure from Renaissance Hotel

(Charge: Members RM10, Non-Members RM20, Student Member RM5)

Leader:

Mat Niza Abdul Rahman (JMG)

Minimum number:

10 participants

Registration

All intending participants are advised to register early to facilitate the planning of the conference. Payment by crossed cheque or bank draft is acceptable, and should be made payable to the “**Geological Society of Malaysia**”

Categories of Participants	Before 20-05-2002	After 20-05-2002
Presenters	RM40	RM50
Full/Associate/Life member	RM70	RM90
Non-members	RM120	RM140
Spouse/Family members	RM40	RM50
Student members	RM20	RM30
Student non-members	RM40	RM50
Children below 5 years	free	free