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PERSATUAN GEOLOGI MALAYSIA GEOLOGICAL SOCIETY OF MALAYSIA

MAJLIS (Council) 2011/2012

PRESIDEN (President) :	Joy Jacqueline Pereira
NAIB PRESIDEN (Vice President) :	Mazlan Madon
SETIAUSAHA (Secretary) :	Ling Nan Ley
PENOLONG SETIAUSAHA (Assistant Secretary) :	Lim Choun Sian
BENDAHARI (Treasurer) :	Ahmad Nizam Hasan
PENYUNTING (Editor) :	Ng Tham Fatt
PRESIDEN YANG DAHULU (Immediate Past President):	Yunus Abdul Razak
AHLI-AHLI MAJLIS (Councillors) :	Anil Nair Gan Lay Chin Nur Iskandar Taib Nicholas Jacobs Samsudin Hj Taib Tan Boon Kong Tanot Unjah

The Society was founded in 1967 with the aim of promoting the advancement of earth science particularly in Malaysia and the Southeast Asian region. The Society has a membership of about 600 earth scientists interested in Malaysian and other Southeast Asian region. The membership is worldwide in distribution.

Warta Geologi (Newsletter of the Geological Society of Malaysia) is published quarterly by the Society. Warta Geologi covers short geological communications and original research, as well as reports on activities and news about the Society. It is distributed free-of-charge to members of the Society. Further information can be obtained from:

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PERSATUAN GEOLOGI MALAYSIA
GEOLOGICAL SOCIETY OF MALAYSIA



**45th ANNUAL GENERAL MEETING
& ANNUAL REPORT 2010**

5th April 2011

Eastin Hotel, Petaling Jaya, Selangor



45th ANNUAL GENERAL MEETING

5th April 2011, Eastin Hotel, Petaling Jaya, Selangor

Agenda

1. Welcoming Address by the President for Session 2010/2011
2. Confirmation of Minutes of the 44th AGM held on the 23rd April 2010
3. Matters arising
4. Annual Report for Session 2010/2011
 - President's Report
 - Secretary's Report
 - Editor's Report
 - Treasurer's and Honorary Auditor's Reports
5. Election of Honorary Auditor
6. Other Matters of which written notice is submitted to reach GSM Secretariat by the 8th April 2011 or by majority vote of the AGM
7. Announcement of New Council for 2011/2012
8. Presidential Address for 2011/2012



PERSATUAN GEOLOGI MALAYSIA
GEOLOGICAL SOCIETY OF MALAYSIA

MINUTES OF THE 44th ANNUAL GENERAL MEETING

Date : 23th April 2010
 Time : 5.30pm
 Venue : Eastin Hotel, Petaling Jaya, Selangor

Members Present

Tan Boon Kong	Nicholas Jacob	Lee Chai Peng
Mohd Nazan Awang	Askury Abd Kadir	Yip Foo Wang
Kamal Roslan Mohamed	Ahmad Nizam Hasan	Zuhar Zahir T. Harith
Abdul Hanan	Anil Nair	Mohd Rozi Umor
Leong Khee Meng	K. Narayanamoorthy	Yunus Abdul Razak
C. S. Hutchison	Ng Tham Fatt	I. Metcalfe
Khor Peng Seong	Lim Choun Sian	Tanot Unjah
Joy Jacqueline Pereira	Nur Iskandar Taib	Low Keng Lok
Gan Lay Chin	Ling Nan Ley	Mazlan Madon

The President of Geological Society of Malaysia and Chairman of the AGM, Dato' Yunus Abdul Razak, called the meeting to order at 5.30 pm when the mandatory quorum for the meeting was achieved. The President welcomed members to the AGM and thanked them for supporting GSM activities. He informed the meeting that GSM had a successful year and the highlight was hosting the GEOSEA 2008, which was attended by the Presidents of all founding members. The GSM was also appointed as a Permanent Secretariat till the next GEOSEA. In addition, the PGCE was held in March 2010 and managed to draw about 800 participants from the private, government and higher education institutions. The President also highlighted that the year 2009 was the final year for celebrating the International Year of Planet Earth (IYPE).

The President announced that the Geologist Act has been approved by the Parliament of Malaysia. This is in recognition of the geoscience community as a professional group in the country. The implementation of the Act will commence in mid-2011 or early-2012.

Lastly, the President thanked all Council Members for the 2009/2010 session for their support and cooperation. He also expressed his appreciation to Madam Anna and hoped all members will support the in-coming Council.

1. Adoption of Agenda

The Chairman tabled the following agenda to the AGM for acceptance:

1. Welcoming Address by the GSM President 2009/2010 and Adoption of Agenda
2. Confirmation of Minutes of the 43rd AGM held on 24th April 2009
3. Matters arising
4. Annual Reports 2009/2010
 - President's Report
 - Secretary's Report
 - Editor's Report
 - Treasurer's and Honorary Auditor's Reports
5. Election of Honorary Auditor
6. Other Matters of which written notice was submitted to reach GSM Secretariat by the 20th April 2010 or by majority vote of the AGM
7. Announcement of New Council for 2010/2011
8. Presidential Address

The agenda was unanimously accepted.

2. Confirmation of Minutes of the Previous AGM

The Minutes of the 43rd AGM was tabled for confirmation. As there was no amendment raised, Mr. Tan Boon Kong proposed that the minutes be confirmed and this was seconded by Mr. Askury Abd Kadir.

3. Matters Arising

There were no matters arising from the previous AGM.

4.0 Annual Reports 2009/2010

4.1 President's Report

The President tabled the President's Report (Appendix 1). Mr. Tan Boon Kong proposed that the President's Report be accepted and this was seconded by Dr Mazlan Madon.

4.2 Secretary's Report

The Secretary tabled the Secretary's Report (Appendix 2). The AGM discussed the following matters:

- a. I. Metcalfe commented on the issue of getting nominations for the Best Student Award, Young Geoscientist Award and Geoscientist Award. There were no nominations received in 2009. He suggested that the promotion of the awards be more widespread. In many countries such awards are prestigious such that there is intense competition to get it.
- b. Prof. Lee Chai Peng suggested that the Secretariat should write to the Heads of Geology Departments in various institutions to nominate candidates for the Best Student Award. The AGM also suggested that the Young Geoscientist Award be handled by the Working Group on Promotion of Geoscience & Young Geologists.
- c. Dr Nur Iskandar mentioned that the list of technical talks in the report is incomplete. He will provide the missing information.

Mr. Tan Boon Kong proposed that the Secretary's Report be accepted and this was seconded by Dr. Kamal Roslan Mohamad

4.3 Assistant Secretary's Report

The Assistant Secretary tabled the Assistant Secretary's Report (Appendix 3). Dr. Ng Tham Fatt proposed that the report be accepted and this was seconded by Mr Tan Boon Kong.

4.4 Editor's Report

The President informed the AGM that the Editor had sent his apology for not being able to be present at the AGM. Dr Ng Tham Fatt tabled the Editor's Report (Appendix 4) on behalf of the Editor. The AGM was informed that several issues of the *Warta Geologi* were unduly delayed as the editor was having difficulty with the new software.

Prof. Hutchison emphasized that publication of the Bulletin and *Warta* required more attention and action. He mentioned that the quality of the reviewer is important and selection of reviewers for every paper should be done by the Editor. Effort should be increased to publish 1 or 2 Bulletins a year, especially for member overseas.

En Askury Abdul Kadir proposed that the report be accepted and this was seconded by Mr Nicholas Jacob.

4.5 Treasurer's and Honorary Auditor's Report

The Treasurer tabled the Treasurer's and Honorary Auditor's Report (Appendix 5). The AGM discussed the following matters:

- a. Dr Mazlan Madon asked about the Formation Evaluation Working Group Fund as mentioned in the audited account. Mr Ahmad Nizam Hassan said that fund belongs to the Working Group and members manage the funds for their activity.

Dr. Ng Tham Fatt proposed that the Treasurer's and Honorary Auditor's Report be accepted and this was seconded by Dr. Gan Lay Chin.

5. Election of Honorary Auditor

Mr Ahmad Nizam Hassan proposed to maintain S.F Lee & Co as the Honorary Auditor for the year 2010. This suggestion was supported by Prof. Hutchison and seconded by Dr. Nur Iskandar Taib. The AGM unanimously agreed to elect S.F. Lee & Co as Honorary Auditors.

6. Other Matters

6.1 Potential Collaboration between American Association of Petroleum Geologists (AAPG) and Geological Society of Malaysia (GSM)

Prof Dr. Joy briefed meeting on the discussion between AAPG and GSM on 28 January 2010 at the Minerals and Geoscience Department. Collaboration was proposed for the following four activities:-

1. AAPG to digitize and market at their own expense, on a nonexclusive basis, the publications of the Geological Society of Malaysia (GSM).
2. AAPG's Education Programme, which is offering short courses in the Asia-Pacific region, to be opened to GSM members.
3. AAPG Student Programmes, to be opened to GSM student members.
4. AAPG, in collaboration with GSM, to host a Regional Geoscience Conference (Geo-Asia) focusing on petroleum at every odd year. AAPG is hosting a similar conference in the Arabian Region at every even year.

On item no 1, the AGM welcome the possibility of expanding access to GSM publications to the AAPG Membership, provided there is no infringement of the Society's Intellectual Property Rights to its products and that the arrangement is on a nonexclusive basis.

On items no. 2 and 3, the AGM welcomed the collaboration with AAPG, particularly with respect to the education and students programmes. The AAPG has been a strong partner for many years and the possibility of strengthening the relationship is very much appreciated.

On item no 4, Dr Mazlan Madon gave a briefing of the Geo 2010 he attended on 8-10 March in Bahrain on behalf of the GSM, at the invitation of AAPG. The purpose of the invitation was for GSM to assess the potential benefits of co-organising the proposed 'GeoAsia' conference in Kuala Lumpur. He highlighted the potential benefits of such a regional meeting to GSM, such as increasing the international profile of GSM. However, he also pointed out that having another big event such as GeoAsia in Kuala Lumpur may affect other events currently run by GSM

The AGM noted that the Petroleum Geology Conference & Exhibition (PGCE) is a successful brand in itself and has served as a national flagship event for the past decade. The PGCE is a source of great pride for the GSM, serving as a platform to build capability within the petroleum sector at very reasonable fees. The PGCE is also a symbol of the important historical relationship that GSM has with PETRONAS. The AGM agreed therefore that the proposal for GeoAsia in Kuala Lumpur shall not be pursued further at this time. The Council was requested to focus its efforts on the PGCE as there is still room for growth and improvement. The Council will acknowledge the kind invitation of AAPG and convey the AGM's decision on the matter.

6.2 Reprinting of 'Geological Evolution of South East Asia'

Mr. Leong Khee Meng questioned the ethical aspect of the reprinting of C.S. Hutchison(1996) - 'Geological Evolution of South East Asia' by GSM as it was first published by Oxford Clarendon Press Publication in 1989 and whether GSM has duly reviewed the work before publication as he perceived some incongruous facts and data in the reprinted edition.

The Chairman clarified that GSM has obtained written permission for the publication and the edition was not reviewed as such. He noted that the controversial issues were discussed and made clear in the recent Warta series.

7. Announcement of New Council for 2010/2011

The Secretary informed the AGM that nominations were called to fill the posts of President, Vice President, Secretary, Assistant Secretary, Treasurer, Editor and 2-year Councillors (4). However, at the close of the said nomination, the election procedure was not executed for only a single nominee was received for each of the posts open. Hence, the new Council was duly formed as in the following. One 1-year Councillor post was left vacant however, as the Councillor, Mazlan Madon was elected to the Vice-President post.

President	:	Joy Jacqueline Pereira (UKM)
Vice-President	:	Mazlan Madon (Petronas)
Secretary	:	Mohd Rozi Umor (UKM)
Assistant Secretary	:	Ling Nan Ley (JMG)
Treasurer	:	Ahmad Nizam Hasan (GeoSolution Resources)
Editor	:	Lau Yin Leong (Ginn-M Corp. SB)
Councillors (1 years)	:	Tan Boon Kong (Freelance) Nur Iskandar Taib (Universiti Malaya) Ng Tham Fatt (Universiti Malaya) (Vacant)
Councillors (2 year)	:	Lim Choun Sian (UKM) Nicholas Jacob (JKR) Samsudin Hj. Taib (UM) Anil Nair
Immediate Past President	:	Yunus Abdul Razak (JMG)

8. Presidential Address

The newly elected President Prof. Dr. Joy Jacqueline Pereira thanked the members for supporting the new Council and urged all the members to continue to give unwavering support to the Society especially by participating in the Society's activities in order to bring the Society to greater heights. She also thanked the Immediate Past President Dato' Yunus Abdul Razak for his leadership and commitment to the Society and the geoscience fraternity, which has led to the gazettelement of the Geologists Act in Parliament.

She also pledged to the AGM that the new Council would pursue new ideas and forge strategic partnerships to benefit the membership and raise the profile of the GSM.

The AGM was adjourned at 7.30pm.

DR. MOHD ROZI UMOR

Secretary 2009/2010

3 June 2009

PRESIDENT'S REPORT 2010/2011

Since the 44th AGM on 23rd April 2010, the Geological Society of Malaysia (GSM) has continued with its objective of actively promoting the advancement of geological sciences in the country and surrounding areas. Over the past year, the flagship events and publications of GSM, designed to strengthen capacity of geoscientists were sustained.

The National Geoscience Conference (NGC2010) was co-organized with the Minerals and Geoscience Department of Malaysia on 11-12 June 2011 in Shah Alam. A Dialogue on the Geologists Act was held on 11 June 2010, in conjunction with the Conference, to highlight aspects related to the implementation of the Act and its implications to practitioners in the country. The Petroleum Geology Exhibition and Congress (PGCE) 2011 co-organized with PETRONAS, was held on 7-8 March 2011 in Kuala Lumpur. Both flagship events were very successful and well attended. We thank our institutional partners and collaborators as well as the Organising Chairs and their committee members for their support, contribution and unwavering commitment to GSM.

The Working Groups of GSM also served to enhance capacity of local geoscientists through the organization of 28 technical talks on a periodic basis. To improve information dissemination and advance geoscience in the country, a decentralised approach has been reinitiated and formalised through the appointment of Regional Representatives in selected areas for a period of 2 years.

Attendance to the technical talks needs to be improved. One way forward is to institute mechanisms in collaboration with the Institute of Geology Malaysia and the Board of Geologists under Geologists Act, 2008 (Act 689), to revitalize the culture of continuous learning among practitioners.

Publication of the two flagship products of GSM – Bulletin of the Geological Society of Malaysia and *Warta Geologi* – is now up-to-date. The editorial process has been improved, with the appointment of a Managing Editor, a Production Editor and Guest Editors, reporting to the Editor. This is part of the effort in making the Bulletin, which is now a Scopus indexed publication, an ISI indexed publication, serving as the premier peer-reviewed record of geoscience knowledge on Malaysia. Efforts will be intensified under the leadership of the incoming Editor.

The linkages of GSM with COSTAM, AAPG and EAGE have been maintained over the past year. The incoming Council will discuss ways on strengthening collaborative activities, particularly with AAPG and EAGE in the context of the PGCE. GSM is the host of the permanent Secretariat for GEOSEA and is mandated to ensure that organization of GEOSEA in 2012 in Thailand. Communication on this matter has commenced and will increase in the coming months. GSM will continue its programme on internationalization and strengthen communication with the CCOP, IUGS and IAEG.

GSM still has a major role to play in promoting education and knowledge generation. For this purpose, it is necessary for all universities, particularly universities that provide geology, earth science and geophysics knowledge, to come together, discuss and provide quality education programmes and research, to support our colleagues who provide professional services to the market. GSM, with support from the Minerals and Geoscience Department, Institute of Geology Malaysia and the Board of Geologists, can facilitate this by providing a platform for stakeholders to come together and discuss matters pertaining to curriculum development and promotion of centres of excellence for research and training, at the postgraduate levels.

Geoscience practitioners have so much to gain by capitalizing on the strength of existing geoscience knowledge providers within universities; so that synergies can be created to produce well trained graduates, to support the expansion of the geoscience profession in the market. It is high time that academics, researchers and practitioners of geoscience from the government and private sector, get together not only to see the “big picture”, but create a “picture” that we want for the well being and sustainability of geoscientists in our country. To kick start the initiative, a focus-group discussion will be led by GSM Vice-President Dr. Mazlan Madon, to take stock of the current scenario in the petroleum sector, particularly with respect to the future of the PGCE.

The Council has been instrumental in driving the agenda for transformation, to make geoscience more relevant - I thank them for their ideas and support. On behalf of the Council, I thank the Organising Chairs of NGC 2010 and PGCE 2011 as well as Working Group Chairs and Regional Representatives for their contribution to GSM. The Head and staff of the Geology Department, University of Malaya as well as UKM, USM, UMS, JMG, Petronas and all other geoscience related institutions are also acknowledged for their gracious support. Last but not least, we thank Ms. Anna Lee for her assistance in the administration of GSM.

JOY JACQUELINE PEREIRA

President

SECRETARY'S REPORT 2010/11

1.0 Introduction

On behalf of the members of the Council of the Geological Society of Malaysia (GSM), it is my pleasure to present the Secretary's Report for session 2010/2011.

2.0 The Council

The new Council for the Geological Society of Malaysia (GSM) for 2010/2011 session resumed their office after the 44th AGM on the 23rd April 2010.

2.1 Council Members

The Council Members for 2010/2011 are as follows:

President:	Joy Jacqueline Pereira (UKM)
Vice President:	Mazlan Madon (Petronas Research Sdn Bhd)
Immediate Past President:	Yunus Abdul Razak (JMG)
Secretary:	Mohd Rozi Umor (UKM)*
Assistant Secretary:	Ling Nan Ley (JMG)
Treasurer:	Ahmad Nizam Hasan (GeoSolution Resources)
Editor:	Lau Yin Leong (Ginn-M Corporation Sdn Bhd)
Councillors:	
(2010/2011)	Tan Boon Kong (Freelance)
	Nur Iskandar Taib (Universiti Malaya)
	Ng Tham Fatt (Universiti Malaya)
	(Vacant)**
(2010/2012)	Lim Choun Sian (UKM)
	Nicholas Jacob (JKR)
	Samsudin Hj. Taib (UM)
	Anil Nair (UNIGEO)

*Mohd Rozi Umor (UKM) tendered his resignation from the Secretary post in July 2010. The Secretary post was subsequently filled by Ling Nan Ley (JMG) and the Assistant Secretary post by Lim Choun Sian (UKM).

**With the election of Mazlan Madon (Petronas Research Sdn Bhd) to the Vice President post, his previous 1-year Councilor post became vacant. The Council had co-opted Gan Lay Chin (Freelance) to fill the vacant post.

2.2 Council Meetings

During the 2010/2011 session, the Council met 7 times. The attendance of the council members to the meetings is presented in the table below. All the meetings were conducted at the meeting room of the Department of Geology, University of Malaya, Kuala Lumpur.

Attendance of Council Members at Council Meetings

NAME	19/5/10	7/7/10	23/9/10	24/11/10	19/1/11	23/2/11	6/4/11	Total
Joy J. Pereira	/	/	/	/	/	/	/	7/7
Mazlan Madon	/	/	/	/	/	/	0	6/7
Mohd Rozi Umor	/	/	-	-	-	-	-	2/2
Ling Nan Ley	/	/	/	/	/	/	/	7/7
Ahmad Nizam H.	/	/	0	/	/	/	/	6/7
Lau Yin Leong	0	/	/	0	0	0	0	2/7
Yunus Abd. Razak	/	/	/	0	/	/	0	5/7
Tan Boon Kong	/	/	/	/	/	/	/	7/7
Nur Iskandar Taib	/	/	X	X	X	X	/	3/7
Ng Tham Fatt	/	/	/	/	/	/	/	7/7
Gan Lay Chin	-	/	0	/	0	/	/	4/6
Lim Choun Sian	/	/	/	/	/	/	0	6/7
Nicholas Jacob	/	/	/	/	/	/	0	6/7
Samsudin Taib	0	/	/	0	/	/	/	5/7
Anil Nair	/	0	/	/	/	/	0	5/7

Note: / = present, 0 = absent with apology, X = sabbatical in the Netherlands

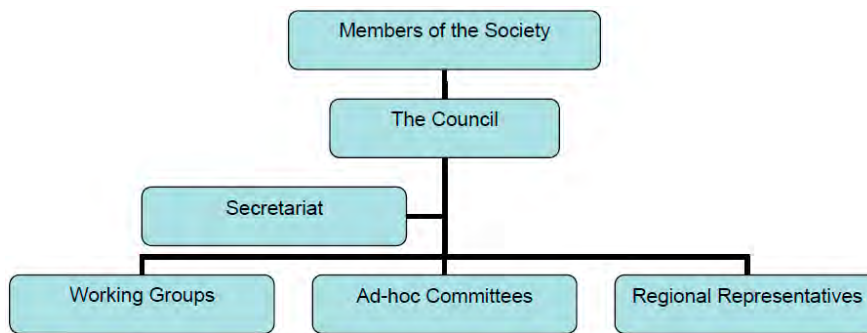
3.0 Society Structure

The Society's stakeholders are the members of the Society led by an elected Council. The Council's main functions are to set directions to promote the advancement of geosciences, endorse activities and provide guidance for the execution of the activities of the Society.

The Council is supported by 5 Working Groups and 6 Regional Representatives. The Working Groups' main function is to promote advancement and exchange of knowledge in specific geoscience areas. The Regional Representatives' main function is to promote geosciences and implement the mission of the society within their respective geographical areas.

The Council is assisted by the Secretariat. The Secretariat assisted the Society in the administration of day-to-day activities of the Council, Working Groups and Regional Representatives.

The Organisation Chart of the Society is presented in the figure below.



Organisation Chart of the Society

3.1 Working Groups

In the 2010/2011 session, the Working Groups and the Chairs are as follows:

	WORKING GROUP	CHAIRMAN
1	Working Group on Engineering Geology, Hydrogeology & Environmental Geology	Tan Boon Kong
2	Working Group on Promotion of Geoscience & Young Geologists	Tanot Unjah
3	Working Group on Economic Geology	Lau Yin Leong
4	Working Group on Regional Geology	Kamal Roslan Mohamed
5	Working Group on Geophysics	Zuhar Zahir Tuan Harith

3.1.1 Working Group on Engineering Geology, Hydrogeology & Environmental Geology

This working group was chaired by Mr. Tan Boon Kong in the 2010/2011 session. This working group was very active, and the main annual events organized were Malam Air Tanah 2010, Malam Geologi Kejuruteraan

2010 I & II, Malam Jurutera 2010 and Chairman's Lecture No. 16. The Working Group also organized a number of technical talks (Please refer to the table showing the summary of activities).

3.1.2 Working Group on Promotion of Geoscience and Young Geologists

The working group chair, Mr. Abd Rasid Jaafar had resigned. Dr. Tanot Unjah from LESTARI, UKM was appointed as the new chair in February 2011. The group was actively promoting Young Earth Scientist (YES) in Malaysia through YES Network-Chapter Malaysia. A dialogue session entitled 'Opportunities and Challenges of Geoscientists in Malaysia' is going to be held at UKM, Bangi on the 21st April 2011.

3.1.3 Working Group on Regional Geology

This working group was chaired by Dr. Kamal Roslan Mohamed in the 2010/2011 session. A series of talks were organised (Please refer to the table of activities summary).

3.2 Regional Representatives

The Society is keen to strengthen its delivery mechanism at the sub-national level through the appointment of Regional Representatives to work in conjunction with the local membership to advance geoscience in the respective regions. The Regional Representatives were appointed in January 2011, each for a tenure of 2 calendar years. The Regional Representatives are as follows:

	REGION	REPRESENTATIVE
1	Southern Peninsular Malaysia	Mohd For Mohd Amin
2	Perak	Askury Abd kadir
3	Northern Peninsular Malaysia	Kamar Shah Ariffin
4	Eastern Peninsular Malaysia	Mohd Pauzi Abdullah
5	Sarawak	Richard Mani Banda
6	Sabah	Baba Musta

To date, the Representative for Sarawak, in collaboration with JMG Sarawak had successfully organized a few talks in Kuching, Sarawak.

4.0 Activities

The Society continued to undertake vigorously activities that would directly or indirectly benefit its members as detailed in the followings. The Society has successfully organized two major events: (1) The National Geoscience Conference 2010 (NGC2010), and (2) The Petroleum Geology Conference and Exhibition 2011 (PGCE2011).

4.1 The National Geoscience Conference 2010 (NGC2010)

With Minerals and Geoscience Department Malaysia as the co-organiser, the National Geoscience Conference 2010 (NGC2010) was successfully held from 11 to 12 June 2010 at Grand BlueWave Hotel, Shah Alam, Selangor under the leadership of Mr. Zakaria Mohamad. The theme of NGC2010 was *Geoscience for Nation Building*. A total of 4 keynote papers, and overwhelming 48 technical papers were presented and 44 posters were exhibited. More than 250 geoscientists from academia as well as the public and private sectors attended the conference. In conjunction with the NGC2010, a dialogue session on 'Geologists' Act' was organized in the interest of all practicing Geologist in Malaysia.

4.2 The Petroleum Geology Conference and Exhibition 2011 (PGCE 2011)

The Petroleum Geology Conference & Exhibition was held on the 7th and 8th March 2011 at the Kuala Lumpur Convention Centre, Kuala Lumpur. It is the 34th PGCE and is once again co-organized with PETRONAS. This year PGCE had additional collaboration with our media partner, PetroEdge and associate society, EAGE. There were 43 technical papers and 60 technical posters presented, covering a wide spectrum of Petroleum Geoscience topics. For the first time in the history of PGCE, a record breaking 2,084 participants attended and 43 companies took part in the exhibition. It was also the first time that a Student's Programme was organized to run parallel with the 2 technical paper sessions. In conjunction with the 2-day conference, field trips to Redang Island and Miri-Bintulu were organized from the 1st to 4th March and a post conference technical course on Risk Analysis at Impiana Hotel on the 9th and 10th March 2011.

PERTEMUAN PERSATUAN (MEETINGS OF THE SOCIETY)

Overall, it was a successful Petroleum Geology Conference & Exhibition.

The Council wishes to convey its greatest appreciation to each and every member of the Organizing Committee for their untiring efforts under the excellent leadership of Mr. Abdul Manaf Mohammad. Thanks also to all donors and sponsors who helped make the PGCE 2011 a success.

4.3 Others

During the session, the Council with cooperation of the Working Groups, Regional Representatives, and other organizations were able to organize a total of 28 technical talks. The details are presented in the table below.

Summary of other activities

Date	Nature	Activity / Topic	Speaker	Organiser
26/5/10	Talk	Malam Airtanah 2010: <i>1. Long period pumping test of high yield well at Olak Lempit well field, Kuala Langat – Revisited</i> <i>2. There is a future for groundwater professionals</i> <i>3. Desktop study on groundwater contamination in landfill sites in Selangor</i>	1. Mohd Nazan Awang (JKR/JMG) 2. Azuhan Mohamed (Sime Darby) 3. Saim Suratman (NAHRIM)	GSM & IGM
17/6/10	Talk	Tertiary-Quaternary volcanism in the Sarawak interior, and its implications for the continuing tectonic history of Borneo	Dr. Nur Iskandar Taib	JMG Sarawak & GSM
28/7/10	Talk	Malam Geologi Kejuruteraan 2010 <i>1. Landslide risk management</i> <i>2. Conservation of the Klang Gates Quartz Ridge as a geotourism site</i> <i>3. Why conventional slope stability analysis fails?</i>	1. Rodeano Roslee (UKM/UMS) 2. Qalam A'zad Rosle & Sdr. Zakaria Mohamad (JMG) 3. Ng Chak Ngoon (Subsurface Engineering)	GSM
2/8/10	Talk	Possible Oil Accumulation with Convex-shaped OWC under Abnormally High Pressure Condition; Example from Offshore Sabah, Malaysia	Kazuo NAKAYAMA, Japan Petroleum Exploration Co. Ltd. (JAPEx)	UM & GSM
4/8/10	Talk	Overview of Volcanic-hosted Massive Sulphide (VHMS) in South China and South East Asia	Prof Dr Khin Zaw, University of Tasmania, Hobart, Australia	GSM & UKM
19/8/10	Talk	Exploration Gravity, Microgravity and 4D Gravity - what's the difference?	Jan Mrlina, Institute of Geophysics, Czech Academy of Sciences, Prague, Czech Republic	UM & GSM
1/9/10	Talk	1. Hazard and Risk in Planning for Development in England 2. Urban Geology: a UK Perspective	1. Dr. Brian Marker, IUGS, UK 2. Dr. Martin Culshaw, IUGS, UK	GSM & SEADPRI-UKM
2/9/10	Talk	Environmental Aspects of the German Mining Industry	Prof. Dr. Frank Otto, Technical University "Georg Agricola" for Raw Material, Energy and Environment, Bochum, Germany	GSM & UKM
29/9/10	Talk	Malam Geologi Kejuruteraan II 2010: The Practice of Engineering Geology in Malaysia	1. Ng Chak Ngoon (Subsurface Engineering) 2. Tan Boon Kong	GSM
20/10/10	Talk	Penilaian Kesesuaian Jasad Batuan Semenanjung Malaysia Untuk Pengorekan Mekanikal	Prof. Dr. Abd Ghani Rafek, Universiti kebangsaan Malaysia	GSM & UKM

PERTEMUAN PERSATUAN (MEETINGS OF THE SOCIETY)

22/10/10	Talk	Malam Jurutera 2010: 1. <i>Propagation of seismic shock wave in rocks and soils</i> 2. <i>Design of embankment in soft ground to Eurocode 7 – development of Malaysian Annex</i>	1. Ir. Dr. Low Kaw Sai (UTAR) 2. Ir. Tan Yean Chin (G&P)	GSM
29/11/10	Talk	The Sunway Story: from Mining, Quarrying to Bandar Sunway Development	Phang Koon Tuck (Sunway)	GSM
22/12/10	Talk	Deep-seated landslides induced by recent earthquakes and rainstorms, and weathering profiles related to shallow landslides	Prof. Dr. Chigira, Disaster Prevention Research Institute Kyoto University, Japan	GSM & UKM
24/12/10	Talk	1. Natural hazards and climate (change) adaptation - Examples of facing multiple challenges from a geoscience-planning cooperation perspective 2. The German Geoparks Project	1. Dr Philipp Schmidt-Thomé, Geological Survey of Finland 2. Dr Michael Schmidt-Thomé	JMG Sarawak & GSM
7/1/11	Talk	The Bt. Antarabangsa Landslide: Causes of Failure & Remedial Works	Ir Dr Mohd Asbi Othman (Consultant)	GSM
12/1/11	Talk	Mineralogy and Geochemistry of Volcanic Ash from Mount Merapi Eruption in 2010	Prof. Dr. Hamzah Mohamed & Assoc. Prof Dr. Wan Zuhairi Wan Yaacob, UKM	GSM & UKM
18/1/11	Talk	Resolving the architecture of the Ngalia Basin in central Australia from gravity and magnetic field interpretation – a component of a Uranium minerals system study	Clive Foss, Senior Research Geoscientist CSIRO Earth Science & Resource Engineering Australia	GSM & UM
19/1/11	Talk	Kestabilan Potongan Cerun Batuan Metasedimen di Bukit Chendering, Kuala Terengganu	Hamzah Hussin & Tajul Anuar Jamaluddin, UKM	GSM & UKM
21/1/11	Talk	Chairman's Lecture No. 16: Geology and Tunnelling in Malaysia	Tan Boon Kong	GSM
28/1/11	Talk	Magnetotelluric survey in some active tectonics areas	Prof. Toru Mogi Institute of Seismology and Volcanology Hokkaido University Japan	GSM & UM
8/2/11	Talk	The Geology and Stratigraphy of the Sedimentary Basins of Sarawak (Petroleum Aspects)	Dr Hj. Md Pedro Barbeito, Techno Rada Sdn Bhd Miri	JMG Sarawak & GSM
9/2/11	Talk	Penerbitan sudut geseran puncak satah ketakselajaran daripada penentuan kekasaran permukaan	Abdul Ghani Rafek, Goh, T.L., Mohd. Hariri Ariffin & Nurul Baizura M. Yunus, UKM	GSM & UKM
16/2/11	Talk	Geological Hazards Assessment On The Wadi Dayqah Dam, The Sultanate Of Oman	Tajul Anuar Jamaluddin, Steven Chong Fook Loy & Arulgnanam V. A.	GSM & UKM
23/2/11	Talk	1: Cretaceous Radiolaria at Kunak, Sabah 2: Regional geological and tectonic structure of the Sirt basin from potential field data	1: Junaidi Asis 2: Ahmed S. Saheel, UKM	GSM & UKM
15/3/11	Talk	Cretaceous Flower Hunting in Eastern Asia	Prof. Dr. Masamichi Takahashi, Department of Environmental Sciences, Niigata University, Japan.	GSM & UM
16/3/11	Talk	Migration pattern of contaminant underneath landfill sites by resistivity imaging techniques	Prof. Dr. Abd Rahim Samsudin & Prof. Dr Umar Hamzah, UKM	GSM & UKM

PERTEMUAN PERSATUAN (MEETINGS OF THE SOCIETY)

25/3/11	Talk	Malam Tunnelling: <i>1. The Sg. Triang Water Transfer Tunnel, Negeri Sembilan</i> <i>2. The Bt. Berapit and Bt. Larut Railway Tunnels, Perak</i>	1. Ir Lee Loong Tat (SMHB) 2. Ir Andrew Yeow Pow Kwei (GAMUDA)	GSM
6/4/11	Talk	Where on Earth are we now?	Dr Azhari bin Mohamed, Jabatan Ukur dan Pemetaan Malaysia	GSM & UKM

5.0 Other Upcoming Events

5.1 The National Geoscience Conference 2011 (NGC2011)

The National Geoscience Conference 2011 (NGC2011) will be held at the Puteri Pacific Johor Bahru & Persada International Convention Centre, Johore from the 11th to 12th June 2011. The theme of NGC2011 is *Geoscientists and Ethics of a Sustainable Society*. The Organising Committee of the Conference is chaired by Mr. Shahar Effendi Abdullah Azizi (the Director of Minerals and Geoscience Department Johore) and co-chaired by Mr. Mohd For Mohd Amin of Universiti Teknologi Malaysia.

5.2 GSM Photographic Competition 2011

The 2011 Photo Competition is now open and the announcement is in Warta Geologi Volume 37 Issue 1. For the first time, submission of entries will be limited to digital images.

6.0 Membership

As at 31st December 2010, the total number of members in the Society stands at 472 and there is a decrease of about 12% over the previous year's total of 539. There is an increase of 6% for life members. The major decrease being the student membership which saw a drastic drop of about 43% this year. The table below presents the breakdown in membership categories and their geographical breakdown.

Breakdowns of Membership

COUNTRY	Full	Life	Inst.	Student	Associate	Honorary	Total 2010	Total 2009
Australia	-	19	-	-	-	-	19	15(+4)
Brunei	-	1	-	-	-	-	1	1
Canada	-	3	-	-	-	-	3	3
Europe	-	10	-	-	-	-	10	13(-3)
Hong Kong	-	1	-	-	-	-	1	1
Indonesia	-	8	-	-	-	-	8	8
Japan	-	4	-	-	-	-	4	3(+1)
Africa	-	1	-	-	-	-	1	1
Middle East	-	4	-	-	-	-	4	4
Philippines	-	2	-	-	-	-	2	2
Singapore	1	7	1	-	1	-	10	11(-1)
Thailand	-	3	-	-	-	-	3	3
USA	-	8	-	-	-	-	8	9(-1)
Malaysia	107	194	2	89	3	3	398	465
TOTAL 2010	108	265	3	89	4	3	472	
TOTAL 2009	119	250	5	155	7	3		539

7.0 GSM Awards and Loan

GSM has set up various awards for members as follows:

7.1 Honorary Membership

No nomination was received.

7.2 PGCE Student Excellence Awards

This year, the PGCE Student Excellence Awards were sponsored by PGS. Eight awards were given to outstanding students studying for a degree in Geology or Geophysics at Malaysian public universities. The recipients were Johnny Yii Chiu Jin and Barman Bin Omoi from University Malaysia Sabah (UMS), Azrin

Binti Azmi and Balqis Binti Nasruddin from University Kebangsaan Malaysia (UKM), Ling Hwei Chih and Yong Joy Anne from Universiti Malaya (UM) and Tan Hong Kiew and Muhamad Ariff Safwan Bin Abdul Ghani from Universiti Sains Malaysia (USM).

7.3 Best Student Awards

These awards are administered by the Geology Departments of UM & UKM. Each award is worth RM500.00.

7.4 Young Geoscientist Award

The criteria for this award are currently under review.

7.5 Geoscientist Award

The criteria for this award are currently under review.

8.0 GSM-Student's Geological Club Collaboration

The Council has agreed to collaborate and assist in activities of Geological Clubs in universities. The Clubs must have 25 Student Members. The Chairman, Secretary and Treasurer of the Geological Club must be Student Members of the Society. The Club must prepare a working paper for their activities, in line with society's objective and submit it to the Council for acceptance.

9.0 Representatives to outside bodies

The Society was represented in the Confederation of Scientific and Technological Association of Malaysia (COSTAM) and the American Association of Petroleum Geology (AAPG). Besides that, GSM is the present host of the permanent Secretariat for GEOSEA.

9.1 COSTAM

The Society was represented by two Council Members: Mr. Tan Boon Kong and Dr. Gan Lay Chin. Both of them were elected as Council Members of COSTAM.

9.2 AAPG House of Delegates

The Society was represented by Dr. Mazlan Madon of Petronas Research Sdn Bhd with Mr. Askury Abd. Kadir of University Teknologi Petronas as the alternative representative.

10.0 Acknowledgement

The Society would like to record its utmost appreciation to all the individuals and organizations that have helped in one way or another in the organizing of the Society's activities during the session. Special mention must be made to the Head and staff of the Geology Department, University of Malaya for the tremendous support especially in the use of its premises for most of the Society's meetings and activities. The continued co-operation extended by UKM, USM, UMS, JMG and PETRONAS is recorded with gratitude. Thanks are due to the Secretariat for her continued dedication and hard work. Last but not least, the Council also wishes to record its appreciation to all members for their advice, guidance and support throughout the session.

LING NAN LEY

Secretary

ASSISTANT SECRETARY'S REPORT 2010

The sales of the Society publications and the list of organizations and institutions that were exchanging publications with GSM are presented in the following tables.

Sales and stock of publications for 2010

Publication	Sales 2010	Stock remaining by end of 2009	Stock remaining by end of 2010
Bulletin 2	2	191	189
Bulletin 3	5	173	168
Bulletin 4	2	90	88
Bulletin 6	6	417	411
Bulletin 7	2	263	261
Bulletin 13	3	21	18
Bulletin 17	0	0	0
Bulletin 18	1	6	5
Bulletin 19	6	391	385
Bulletin 20	5	347	342
Bulletin 21	3	157	154
Bulletin 22	4	219	215
Bulletin 23	5	233	228
Bulletin 24	3	389	386
Bulletin 25	4	102	98
Bulletin 26	3	201	198
Bulletin 27	3	76	73
Bulletin 28	4	119	115
Bulletin 29	3	118	115
Bulletin 30	2	123	121
Bulletin 31	5	121	116
Bulletin 32	6	101	95
Bulletin 33	3	258	255
Bulletin 34	4	77	73
Bulletin 35	0	0	0
Bulletin 36	4	117	113
Bulletin 37	4	173	169
Bulletin 38	1	237	236
Bulletin 39	0	0	0
Bulletin 40	3	98	95
Bulletin 42	6	55	49
Bulletin 43	3	154	151
Bulletin 44	45	157	112
Bulletin 45	3	124	121
Bulletin 46	5	24	19
Bulletin 47	5	74	69
Bulletin 48	1	53	52
Bulletin 49	5	334	329
Bulletin 50	6	356	350
Bulletin 51	2	260	258
Bulletin 52	1	251	250
Bulletin 53	4	350	346
Bulletin 54	6	307	301
Bulletin 55	17	335	318
Bulletin 56*	421	800	379
Abstract (Bulletin 6)	0	0	0
Proceeding AGC 2000	3	35	32
Proceeding AGC 2001	4	168	164
M'sian Stratigraphic guide	2	262	260
Lexicon of stratigraphy	29	74	45
Stratigraphic correlation	0	0	0
Rocks poster Langkawi	48	176	128
Field Guide Geology of Borneo (CD)	0	0	0
Geology of Borneo (CD)	31	314	283
Geology of Borneo (Map)	30	932	902
Geol. Evolution of SEA	55	976	921
Geology of P. M'sia	118	1337	1219

*Distributed free to all 2010 member

List of organizations and institutions that are exchanging publications with GSM

Item	Organization	Country
1	New South Wales Dept of Mineral Resources	Australia
2	Geologica Belgica a.s.b.I	Belgium
3	Ministry of Development	Brunei
4	University of Geosciences	China
5	The Episode	China
6	Nanking Institute of Geology	China
7	National Geological Library	China
8	Peking College of Geology	China
9	SOPAC Secretariat	Fiji
10	Suomalaineu Tiedeakatemia	Finland
11	Freie Universitat Berlin	Germany
12	National Museum of Natural History	Holland
13	Geological Society of Japan	Japan
14	Dept Mineral & Planetary Science, Hiroshima	Japan
15	Museum of Nature & Human Activities	Japan
16	National Science Museum	Japan
17	Natural History Museum and Institute	Japan
18	Institute of Geosciences	Japan
19	Geological Society of Korea	Korea

PERTEMUAN PERSATUAN (MEETINGS OF THE SOCIETY)

20	Dewan Bahasa dan Pustaka	Malaysia
21	Jabatan Mineral dan Geosains, Ipoh	Malaysia
22	Jabatan Mineral dan Geosains, Kuching	Malaysia
23	Jabatan Mineral dan Geosains, Kota Kinabalu	Malaysia
24	Kementerian Dalam Negeri	Malaysia
25	Perpustakaan Negara Malaysia	Malaysia
26	Library Petronas Berhad	Malaysia
27	Pusat Sumber Maklumat Negeri Sarawak	Malaysia
28	Perpustakaan Tun Sri Lanang, UKM	Malaysia
29	Program Geologi, UKM	Malaysia
30	Library, UM	Malaysia
31	Library, USM	Malaysia
32	Malaysian Institute of Nuclear Technology	Malaysia
33	Library of Congress, USA Embassy	Malaysia
34	Institute of Ecological & Nuclear Science	New Zealand
35	National Library	Singapore
36	Central Geological Survey	Taiwan
37	American Museum of Natural History, New York	USA
38	CIGESE Library	USA
39	Oklahoma Geological Survey	USA
40	US Geological Survey	USA
41	University of Kansas	USA
42	AAPG Foundation Library	USA
43	Faculty of Agriculture & Natural Resources, Africa University	Zimbabwe

LIM CHOUN SIAN

Assistant Secretary

EDITOR'S REPORT 2010

The Society's newsletter, *Warta Geologi*, after a late start due to delay in getting printing permit from KDN, has been brought up-to-date.

Only one volume of *Bulletin* was published in the year 2010 (Volume 56), which was jointly edited by guest editors headed by Prof. Dr. Mohd. Shafeea Leman.

The Society is grateful to authors for their contribution and reviewers for their time and efforts to improve the papers. Special thanks are due to Sharifah Nur Eli Diyana Syed Ismail for her assistance in the layout of *Warta Geologi*.

NG THAM FATT

On behalf of Editor

TREASURER'S REPORT 2010

For the Financial Year 2010, the Society posted a financial surplus of RM 65,562.00, which was lower compared to the surplus in year 2009, which was RM 201,417.00. Nevertheless, the net current asset has increased, from RM 627,902.00 for 2009 to RM 657,916.00 for the year 2010.

Operating revenue for the year 2010 was RM 176,407.00 which is lower than the amount RM 294,750.00 in 2009. Accumulated payments for Petroleum Geology Conference and Exhibition (PGCE) 2009 and 2010 in Financial Year 2010 totaled RM 121,820.00. Revenue from subscriptions increased slightly to RM16,787.00, while sales of The Geology of Peninsular Malaysia increased to RM22,140.00 from RM18,123.00 in 2009. The balance payment of GEOSEA 2009 is RM 4,800.00.

Total operating expenditure for Financial Year 2010 increased to RM 110,845.00 from RM 93,333.00 in Financial Year 2009. The increase in expenditure was mainly due to the increased cost in printing *Warta Geologi* (RM33,175.00, compared to RM14,280.00 in 2009) and also the cost of the National Geoscience Conference 2010 (RM25,466.00).

The Hon. Treasure would like to express a great appreciation to all the donors and sponsor for their contributions and support.

Ahmad Nizam Hasan

Treasurer

NOTES

1. Student Loan Fund - The program has been suspended until a sufficient amount can be recovered from the repayment of non performing loans (NPL).
2. RM 16,207.00 is held in trust for the Formation Evaluation Working Group, and RM 1,695.00 for the AAPG-UM student chapter fund to finance their activities.
3. The income from the sales of *Geology of Peninsular Malaysia* (RM 22,140.00) is to be divided between GSM and Department of Geology, University of Malaya as joint publishers.



**PERSATUAN GEOLOGI MALAYSIA
(GEOLOGICAL SOCIETY OF MALAYSIA)**
(Registered in Malaysia)

REPORT AND ACCOUNTS
31 DECEMBER 2010

S.F. LEE & CO.
CHARTERED ACCOUNTANTS

PERSATUAN GEOLOGI MALAYSIA
(GEOLOGICAL SOCIETY OF MALAYSIA)
(Registered in Malaysia)

REPORT AND ACCOUNTS
31 DECEMBER 2010

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**PERSATUAN GEOLOGI MALAYSIA
(GEOLOGICAL SOCIETY OF MALAYSIA)**
(Registered in Malaysia)

MEMBERS INFORMATION

President	:	Joy Jacqueline Pereira
Vice President	:	Mazlan Madon
Secretary	:	Mohd Rozi Umor
Assistant Secretary	:	Ling Nan Ley
Treasurer	:	Ahmad Nizam Hasan
Editor	:	Lau Yin Leong
Councillors	:	Anil Nair Gan Lay Chin Lim Choun Sian Ng Tham Fatt Nur Iskandar Taib Nicholas Jacob Samsudin Hj Taib Tan Boon Kong
Immediate Past President	:	Yunus Abdul Razak

PERSATUAN GEOLOGI MALAYSIA (GEOLOGICAL SOCIETY OF MALAYSIA)
STATEMENT BY THE COUNCIL

We, Joy Jacqueline Pereira and Ahmad Nizam Hasan, being the President and Treasurer respectively, of the Persatuan Geologi Malaysia (Geological Society Of Malaysia) do hereby state that, in the opinion of the Council, the financial statements set out pages 4 to 9 are properly drawn up in accordance with applicable approved accounting standards so as to give a true and fair view of the state of affairs of the Persatuan Geologi Malaysia (Geological Society of Malaysia) as at 31 December 2010, and of the result and cash flows for the year then ended.

Joy Jacqueline Pereira
President

Ahmad Nizam Hasan
Treasurer

Kuala Lumpur

Dated : 31 Mar 2011

PERSATUAN GEOLOGI MALAYSIA (GEOLOGICAL SOCIETY OF MALAYSIA)
DECLARATION BY THE OFFICER PRIMARILY RESPONSIBLE FOR THE
FINANCIAL MANAGEMENT OF THE SOCIETY

I, Ahmad Nizam Hasan, the officer primarily responsible for the financial management of the Persatuan Geologi Malaysia (Geological Society Of Malaysia), do solemnly and sincerely declare that the accompanying financial statements set out on pages 4 to 9 are, to the best of my knowledge and belief correct, and I make this solemn declaration conscientiously believing the same to be true and by virtue of the provisions of the Statutory Declarations Act, 1960.

Subscribed and solemnly declared by)

the abovenamed Ahmad Nizam Hasan)

at Kuala Lumpur in Wilayah Persekutuan)

on)

Ahmad Nizam Hasan

Before me,

Commissioner for Oaths

REPORT OF THE AUDITORS TO MEMBERS OF THE
PERSATUAN GEOLOGI MALAYSIA (GEOLOGICAL SOCIETY OF MALAYSIA)

We have audited the financial statements set out on pages 4 to 9. These financial statements are the responsibility of the Council Members of the Society. It is our responsibility to form an independent opinion, based on our audit, on those financial statements and to report our opinion to you, as a body, and for no other purpose. We do not assume responsibility to any other person for the content of this report.

We conducted our audit in accordance with approved auditing standards in Malaysia. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by the Council Members, as well as evaluating the overall financial statements presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the financial statements give a true and fair view of the statement of assets and liabilities of the Society as at 31 December 2010 and of its statement of income and expenditure and cash flows for the financial year ended 31 December 2010 in accordance with the MASB approved accounting standards in Malaysia.

S.F. LEE & CO. (AF 0670)
Chartered Accountants

LEE SIEW FATT
(1179/9/12J)
Chartered Accountant

Kuala Lumpur

Date : 31 Mar 2011

**PERSATUAN GEOLOGI MALAYSIA
(GEOLOGICAL SOCIETY OF MALAYSIA)**
(Registered in Malaysia)

STATEMENT OF ASSETS AND LIABILITIES AS AT 31 DECEMBER 2010

	Note	2010 RM	2009 RM
FUND ACCOUNTS			
GENERAL FUND	3	636,215	570,653
STUDENT LOAN FUND		656	156
EVALUATION FORMATION WORKING GROUP FUND		16,207	48,205
YOUNG GEOSCIENTIST AWARD FUND		3,143	3,143
AAPG-UM STUDENT CHAPTER FUND		1,695	5,745
		<u>657,916</u>	<u>627,902</u>
Represented by:			
NON-CURRENT ASSETS			
PLANT AND EQUIPMENT	4	27,235	28,161
CURRENT ASSETS			
Inventories	5	44,159	31,935
Deposits		600	600
Fixed deposits with licensed bank	6	193,580	192,908
Cash and bank balances		392,342	374,298
		<u>630,681</u>	<u>599,741</u>
NET CURRENT ASSETS		630,681	599,741
		<u>657,916</u>	<u>627,902</u>

The accompanying notes are an integral part of these statements

PERSATUAN GEOLOGI MALAYSIA
(Registered in Malaysia)

STATEMENT OF INCOME AND EXPENDITURE FOR THE YEAR ENDED
31 DECEMBER 2010

INCOME	2010	2009
	RM	RM
Entrance fee	1,360	860
Fixed deposits interest income	4,506	6,018
Subscription	16,787	16,545
Sales of publications	4,994	2,945
Petroleum Geology Conference	121,820	249,659
Geosea	4,800	-
Advertisement (Warta Geologi)	-	600
Geology of Peninsular Malaysia	22,140	18,123
	<u>176,407</u>	<u>294,750</u>
 EXPENDITURE		
Annual dinner	2,474	1,320
Annual General Meeting	345	-
Audit fee	800	800
Bank charges	166	246
Department of Geology	200	7,786
Depreciation on plant and equipment	3,408	3,129
Geosea	-	14,597
Honorarium	20,410	22,370
Income tax	-	525
National Geological Conference	25,466	-
Photo competition	2,300	3,100
Photocopying	541	291
Postages	6,981	3,588
Printing and Stationery		
- Miscellaneous	740	1,030
- Warta Geologi	33,175	14,280
- Bulletin	7,140	11,760
Refreshment	370	662
Speakers' account	2,570	4,280
Subscription to COSTAM	-	100
Sundry expenses	2,244	1,978
Telefax	469	520
Telephone	1,046	971
	<u>110,845</u>	<u>93,333</u>
Surplus for the year	<u>65,562</u>	<u>201,417</u>

CASH FLOW STATEMENT FOR THE YEAR ENDED 31 DECEMBER 2010

	2010 RM	2009 RM
Cash flows from operating activities		
Surplus over expenditure for the year	65,562	201,417
Adjustments for:-		
Depreciation on plant & machinery	3,408	3,129
Interest income	(4,506)	(6,018)
Surplus before working capital changes	<u>64,464</u>	<u>198,528</u>
Decrease in deposits	-	12,032
(Increase) / Decrease in inventories	(12,224)	9,107
Increase in Student Fund	500	-
Decrease in AAPG-UM Student Chapter Fund	(4,050)	(4,670)
Decrease in Evaluation Formation Working Group Fund	(31,998)	-
Cash generated from operations	<u>16,692</u>	<u>214,997</u>
Purchase of plant and equipment	(2,482)	-
Interest income	4,506	6,018
Net cash generated from operating activities	<u>18,716</u>	<u>221,015</u>
Net increase in cash and cash equivalents	18,716	221,015
Cash and cash equivalents at beginning of the year	567,206	346,191
Cash and cash equivalents at end of the year	<u>585,922</u>	<u>567,206</u>
Cash and cash equivalents comprised of:		
Deposits held with licensed banks	193,580	192,908
Cash and bank balances	<u>392,342</u>	<u>374,298</u>
	<u>585,922</u>	<u>567,206</u>

PERSATUAN GEOLOGI MALAYSIA
(Registered in Malaysia)

NOTES TO THE FINANCIAL STATEMENTS - 31 DECEMBER 2010

1. PRINCIPAL OBJECTIVES

The objective of the Society is to promote the advancement of the geological sciences in Malaysia.

2. ACCOUNTING POLICIES

(a) Basic of Accounting

The financial statements have been prepared under the historical cost convention and comply with applicable Approved Accounting Standards issued by the Malaysian Association Standards Board.

(b) Plant and Equipment

Plant and equipment is stated at historical cost less accumulated depreciation. Depreciation on plant and equipment is computed on the straight line basis calculated to write-off the cost of the assets over their estimated useful lives. The principal annual rates used are:-

Office equipment	10%
Computer	20%

The carrying values of the assets are reviewed for impairment when there is an indication that the assets might be impaired. Impairment is measured by comparing the carrying values of the assets with their recoverable amounts.

An impairment loss is charged to the income and expenditure account immediately, unless the asset is carried at revalued amount. Any impairment loss of a revalued asset is treated as a revaluation decrease to the extent of previously recognised revaluation surplus for the same asset.

Subsequent increase in the recoverable amount of an asset is treated as reversal of the previous impairment loss and is recognised to the extent of the carrying amount of the asset that would have been determined (net of amortisation and depreciation) had no impairment loss been recognised. The reversal is recognised in the income statement immediately, unless the asset is carried at revalued amount.

(c) INVENTORIES

Inventories consists of compass and maps valued at the lower of cost and net realizable value.

PERSATUAN GEOLOGI MALAYSIA
(Registered in Malaysia)

d) INCOME RECOGNITION

Membership subscription is payable annually at the beginning of the financial year. All subscriptions received during the financial year are recognised as income.

Income from sale of publications is recognised upon delivery of goods.

Income from organising conference is recognised on receipt basis.

Fixed deposit interest income is recognised on an accrual basis.

3. GENERAL FUND	2010 RM	2009 RM
At 1 January	570,653	369,236
Surplus for the year	65,562	201,417
At 31 December	636,215	570,653

4. PLANT AND EQUIPMENT

	Cost				
	Balance at 1/1/2010	Additions	Disposal	Balance at 31/12/2010	
	RM	RM	RM	RM	
Office equipment	130,155	-	-	130,155	
Computer	2,596	2,482	-	5,078	
	132,751	2,482	-	135,233	
	Accumulated depreciation				Net Book Value at 31/12/2010
	Balance at 1/1/2010	Charge for the year	Disposal	Balance at 31/12/2010	
	RM	RM	RM	RM	
Office equipment	102,951	2,720	-	105,671	24,484
Computer	1,639	688	-	2,327	2,751
	104,590	3,408	-	107,998	27,235

PERSATUAN GEOLOGI MALAYSIA
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2009	Cost				Net Book Value at 31/12/2009
	Balance at 1/1/2009	Additions	Disposal	Balance at 31/12/2009	
	RM	RM	RM	RM	
Office equipment	130,155	-	-	130,155	
Computer	2,596	-	-	2,596	
	<u>132,751</u>	<u>-</u>	<u>-</u>	<u>132,751</u>	

	Accumulated depreciation				Net Book Value at 31/12/2009
	Balance at 1/1/2009	Charge for the year	Disposal	Balance at 31/12/2009	
	RM	RM	RM	RM	
Office equipment	99,929	3,022	-	102,951	27,204
Computer	1,532	107	-	1,639	957
	<u>101,461</u>	<u>3,129</u>	<u>-</u>	<u>104,590</u>	<u>28,161</u>

5. INVENTORIES

	2010	2009
	RM	RM
Maps	3,482	3,482
Compass	19,668	2,053
Magazines	21,009	26,400
	<u>44,159</u>	<u>31,935</u>

6. FIXED DEPOSITS WITH LICENSED BANK

The fixed deposits with licensed bank have a maturity of between 3 to 15 months (2009 : 3 to 15 months). Interest rates for the deposits ranged from 3.75% to 5% (2009 : 3.75% to 5%) per annum.

PROPOSED ITEM FOR GSM 45TH AGM (APRIL 2011)(submitted by K.M. Leong)

It is encouraging to note that GSM is planning a Conference to be held in 2011 on Ethics/Publishing Ethics. GSM, formed in 1967, has a Constitution and By-Laws with a succinctly written Object: *'to promote the advancement of earth science in Malaysia and Southeast Asia'*. The key word is *advancement*.

Question on Matter Impacting on GSM Scientific Reputation and Credibility: Despite all that had been written and spoken for 12 years from 1998 to 2010 GSM 44th AGM, it will be helpful if GSM Council could clarify *why it was (still is) of the opinion that the continuing promotion and sale of its 1996 Reprinted Edition Hutchison (1989) as recently as February 2011 globally on internet (in fact sold past 15 years 1996 to 2011), a GSM publication which denounced Malaysia Government Geological Survey (Minerals and Geoscience) Sabah Jurassic radiometric ages (Kirk 1968; Leong 1971, 1974) through falsified geological fact and data (Leong 1998, 2009), had not been a constraint to the achievement or even a violation of GSM Object as stated in its Constitution?*

Summary based on Published Literature and Disclosure GSM 44th AGM 2010 USA Oil Co. ARCO and the author of Hutchison (1989) had determined a Jurassic radiometric age in 1995 (Swauger et al., 1995, listed in Hutchison et al., 2000 and Graves et al., 2000). Clarendon Press Oxford and the author offered to GSM reprinting and marketing rights to Hutchison (1989) for free in 1996, and GSM accepted without an editorial review and contents check (GSM 44th AGM 2010).

Hutchison (1989) denounced the Geological Survey Sabah Jurassic radiometric age records without evidence, but with falsified geological fact and data (Leong 1998, 2009).

Hutchison et al. (2000) used Jurassic radiometric age in revision of geological evolution of Sabah, but without acknowledging Geological Survey Sabah Jurassic radiometric ages in Kirk (1968) and Leong (1971, 1974, 2009).

Hutchison et al. (2000) had also not corrected the invalid and slanderous denouncement of Geological Survey Sabah Jurassic radiometric ages, including the radiometric age published in Leong (1971, 1974), in Hutchison (1989) (Leong 2009), while at the same time GSM went about its business of advertising, promoting and selling its 1996 Reprinted Edition Hutchison (1989).

There was also an impact on academia as two professors of geology (Omang and Barber, 1996) had aped Hutchison (1989) denouncement of Jurassic radiometric ages and Leong (1974) without evidence (Leong, 1998, 2009). GSM ought to have the records on the total number of copies of its Reprinted Edition Hutchison (1989) sold at RM30 or less per copy to Student Members.

GSM was not merely reprinting Hutchison (1989); it had taken full ownership and retained all sales revenue. GSM had not only owned the 1996 Reprinted Edition of Hutchison (1989), it had also disseminated and sold it worldwide. Accountability comes with ownership and product sale with monetary gain.

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ANNOUNCEMENT OF NEW COUNCIL FOR 2011/2012

President	:	Joy Jacqueline Pereira (UKM)
Vice-President	:	Mazlan Madon (Petronas Research Sdn Bhd)
Immediate Past President	:	Yunus Abdul Razak (JMG)
Secretary	:	Ling Nan Ley (JMG)
Assistant Secretary	:	Lim Choun Sian (UKM)
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Editor	:	Ng Tham Fatt (UM)
Councillors (2 years)	:	Tan Boon Kong (Freelance) Nur Iskandar Taib (UM) Gan Lay Chin (Freelance) Tanot Unjah (UKM)
Councillors (1 year)	:	Nicholas Jacob (JKR) Samsudin Hj. Taib (UM) Anil Nair (UNIGEO) (Vacant)

Certified by,

Yunus Abdul Razak

Nomination Committee Chairman

PERSATUAN GEOLOGI MALAYSIA GEOLOGICAL SOCIETY OF MALAYSIA



NATIONAL GEOSCIENCE CONFERENCE 2011

The Puteri Pacific Johor Bahru
11 – 12 June 2011

*Geoscientists and Ethics
for a Sustainable Society*

Co-organiser

Jabatan Mineral &
Geosains Malaysia



Universiti Teknologi
Malaysia



Collaborators



Institut
Geologi
Malaysia



Persatuan
Kuari
Johor



Universiti
Kebangsaan
Malaysia



Universiti
Malaya



Universiti
Malaysia
Sabah



Universiti
Teknologi
Petronas

LAPORAN PERSIDANGAN GEOSAINS KEBANGSAAN 2011



YB Datuk Haji Ahmad Zahri

Menteri Besar Johor, YAB Dato' Haji Abdul Ghani bin Othman berharap para geosaintis dapat menjalankan kajian yang akhirnya nanti akan membantu Kerajaan Negeri dalam perancangan pembangunan tanah, menangani masalah bencana alam seperti tanah runtuh dan banjir besar dan pembangunan ekonomi negeri melalui pembangunan 'geopark'. Kerajaan Negeri komited memberikan sokongan kepada komuniti profesional termasuk kajian oleh geosaintis demi kesejahteraan alam, negara dan rakyat. Menteri Besar seterusnya menyeru agar kajian yang dijalankan dapat diaplikasi dalam menyediakan suasana kehidupan yang kondusif kepada rakyat. Begitu juga dengan aktiviti pembangunan sumber mineral dan bahan batuan yang terus mengambil kira faktor kelestarian alam. Majlis perasmian dan ucapan Menteri Besar telah disempurnakan oleh wakil rasmi beliau iaitu YB Datuk Haji Ahmad Zahri bin Jamil, Pengerusi Jawatankuasa Perumahan, Kerajaan Tempatan, Kerja Raya dan Kemudahan Awam Negeri Johor.

Prof. Dr. Joy J Pereira dalam ucapannya menyeru agar ahli-ahli Persatuan Geologi Malaysia terus proaktif menjalankan kajian yang relevan dengan arus pembangunan Negara. Seterusnya beliau berharap penemuan baru khususnya yang berkaitan langsung dengan pembangunan Negara akan dapat memantapkan peranan geosaintis dan seterusnya menaikkan martabat bidang geosains di IPT-IPT tempatan.

Selaras dengan tema 'Geosaintis dan Etika Masyarakat Lestari', Dato' Yunus Abdul Razak, Ketua Pengarah Jabatan Mineral dan Geosains Malaysia berharap para geosaintis dapat menghayati maksud etika tersebut dan komited mengamalkannya dalam melaksanakan tanggungjawab. Adanya rasa tanggungjawab dan keikhlasan bekerja, harapan membangunkan negara dan masyarakat bersama-sama Pihak Berkuasa Tempatan dengan mengambil kira keperluan alam, beliau yakin hasil yang dituai nanti pasti memenuhi segenap keperluan. Generasi akan datang pasti menghargai apa-apa yang telah dilakukan oleh para geosaintis hari ini dalam melestarikan bumi tercinta Malaysia.

Sepanjang dua hari, 134 kertas kajian telah dibentangkan dengan 61 merupakan pembentangan lisan dan 73 daripadanya berbentuk poster. Sambutan diterima amat menggalakkan sehingga banyak kertas kajian terpaksa ditolak. Persidangan ini telah menarik seramai kira-kira 250 penyertaan yang terdiri khususnya warga IPT dan agensi kerajaan. Beberapa peserta daripada industri berkaitan seperti pengusaha kuari dan perlombongan turut menyertai persidangan ini. Tiga kertas kajian utama yang dibentangkan ialah:



Prof. Dr. Joy J Pereira



Dato' Yunus Abdul Razak

PERTEMUAN PERSATUAN (MEETINGS OF THE SOCIETY)

- i. Ethics in engineering geology oleh Ng Chak Ngoon, Institut Geologi Malaysia
- ii. Inundation modeling from tsunami propagation into the Straits of Melaka oleh Prof Ahmad Khairi Abd Wahab, UTM
- iii. Geoscience governance for sustainable development oleh Prof Joy J Pereira, Persatuan Geologi Malaysia

Semasa penggulungan, Presiden GSM telah menyampaikan ucapan terima kasih yang tidak terhingga kepada semua yang terlibat khususnya AJK Jawatankuasa Penganjur. Terima kasih juga diucapkan kepada para penaja khususnya Pejabat Menteri Besar Johor yang telah menaja Majlis Makan Malam sempena persidangan serta Persatuan Kuari Johor, Petronas dan lain-lain seperti dalam prosiding.

Seterusnya beliau mengumumkan perbincangan awal memutuskan bahawa Persidangan Geosains Kebangsaan 2012 akan dijalankan selari dengan Persidangan Geologi Tahunan Jabatan Mineral dan Geosains Malaysia yang akan diadakan di Sarawak.

Liputan Akhbar

Akhbar	Tajuk	Tarikh
Mingguan Malaysia	Ahli geologi perlu tingkatkan peranan bantu kerajaan - MB	12.6.11
Sinar Harian	Ahli geologi mampu bantu minimum kesan bencana	12.6.11
The Star	Johor backs efforts to set up geopark	12.6.11
Nan-yang Syang Pao	Sektor perlombongan dan pengkuarian berpotensi tinggi untuk dibangunkan : Menyumbang RM 70 juta setahun kepada negeri Johor. Jabatan Mineral & Geosains membina telaga untuk membekalkan air mineral	12.6.11
Berita Harian	Peranan ahli geologi perlu dipertingkat	13.6.11
Star Metro	200 attend two-day National Geoscience Conference	16.6.11



Penyampaian cenderamata sempena Perasmian Persidangan Geosains Kebangsaan 2011 oleh Prof Dr. Joy Jacqueline Pereira dengan diiringi oleh Dato' Yunus Abdul Razak kepada YB Datuk Haji Ahmad Zahri bin Jamil.

Oleh
Noorazhar Ngatimin



Jawatankuasa GSM bergambar kenangan bersama YB Datuk Hj Ahmad Zahri.

NATIONAL GEOSCIENCE CONFERENCE 2011 Organising Committee

Advisor	:	Joy Jacqueline Pereira
Chairman	:	Shahar Effendi Bin Abdullah Azizi
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Sponsorship & Publicity	:	Noorazhar Bin Ngatimin Salehuddin Bin Mohamad
Photography	:	Safaruddin Bin Sirim Manap Bin Ahmad Abdul Hasibul Jalil Bin Jusoh Mohd Khairani Bin Abdullah





Kata Aluan
MENTERI BESAR JOHOR

Syabas dan tahniah diucapkan kepada Persatuan Geologi Malaysia dengan kerjasama Jabatan Mineral dan Geosains Malaysia dan Universiti Teknologi Malaysia kerana dapat mengadakan Persidangan Geosains Kebangsaan 2011. Kerajaan Negeri Johor merakamkan penghargaan mendalam kerana telah memilih Johor Bahru untuk menjadi medan pada tahun ini.

Pada tahun 1993, negara telah dikejutkan dengan tragedi runtuhnya Highland Towers di Ulu Kelang, Selangor. Bermula daripada kejadian ini, geosains mula memainkan peranan penting dalam setiap perancangan pembangunan. Namun sekiranya berlaku kecuaiian dan kegagalan mematuhi serta mengambil sikap acuh tak acuh, pasti kejadian serupa akan berlaku lagi. Lantaran itu, Kerajaan Negeri Johor telah menyediakan Rancangan Tempatan dalam merancang pembangunan yang hendak dijalankan di setiap daerah. Baru-baru ini iaitu pada 19 April 2011, Draf Rancangan Tempatan Daerah (Penggubahan) bagi daerah Johor Bahru, Muar, Batu Pahat dan Pontian telah dilancarkan. Sehubungan itu, peranan ahli geologi dan saintis diperlukan untuk membuat komen, ulasan dan input bersesuaian sebelum Rancangan Tempatan ini dimuktamadkan.

Walau pun bidang geosains hanya menyumbang sekitar 0.2% atau RM70 juta setahun kepada KDNK Negeri Johor, namun diakui bahawa sumbangan bidang geosains amat luas. umpama pembinaan sebuah rumah yang mana bermula daripada pemilihan tapak hinggalah kepada bumbung, semua komponen memerlukan unsur geosains seperti pasir, agregat, besi dan atap genting yang diperbuat daripada tanah liat. Dalam merencanakan penglibatan geosains serla memberikan kesedaran kepada masyarakat untuk bersamasama memelihara khazanah bumi selain memberi pulangan ekonomi, saya berharap cadangan membina sebuah geopark iaitu Kompleks Taman Negara Endau dan Kepulauan Mersing dapat direalisasikan.

Saya percaya atas faktor di atas, pelbagai kajian telah dilakukan oleh para saintis dan dengan adanya persidangan ini hasil kajian dapat dibentang dan dikongsikan bersama dengan para perancang pembangunan dan pihak industri. Dengan tema 'Geosaintis dan Etika Masyarakat Lestari', saya yakin sumbangan dan peranan ahli geologi dan saintis akan dapat mewujudkan sebuah masyarakat yang kehidupannya bersifat lestari dan saling bekerjasama menjadikan bumi sebagai tempat tinggal yang sihat, selamat dan kondusif.

Ini selaras dengan Cabaran ke-4 dan ke-6 Wawasan 2020 iaitu mewujudkan masyarakat yang sepenuhnya bermoral dan beretika dan mewujudkan masyarakat saintifik dan progresif, mempunyai daya perubahan dan memandang ke depan, yang bukan sahaja pengguna teknologi tinggi tetapi juga menyumbang kepada tamadun saintifik dan teknologi masa depan.

Sekian, terima kasih.

Y.A.B. DATO' HAJI ABDUL GHANI BIN OTHMAN
MENTERI BESAR JOHOR



Kata Aluan
PRESIDEN PERSATUAN GEOLOGI MALAYSIA

Sejak ditubuhkan pada tahun 1967, Persatuan Geologi Malaysia telah menjadi penyumbang terbesar kepada perkembangan ilmu geosains di Malaysia. Dalam hubungan ini, Persatuan telah menganjurkan hampir 100 perjumpaan pada peringkat kebangsaan mahupun peringkat antarabangsa. Persatuan juga telah menerbitkan 56 Buletin serta 40 jilid Warta Geologi.

Pada tahun ini, tema yang dipilih adalah “Geoscientists and Ethics for a Sustainable Society”. Tujuan utama persidangan ini adalah untuk menerapkan kepentingan etika di kalangan keahlian disamping memaklumkan penemuan-penemuan baru dalam penyelidikan dan pembangunan. Persidangan ini juga menyediakan pentas bagi ahli geologis untuk menyumbang kepada korpus ilmu di peringkat kebangsaan dan antarabangsa. Justeru, semua pembentang digalakkan untuk menerbitkan kertas kerja mereka dalam Buletin Persatuan Geologi Malaysia, agar sumbangan mereka termaktub dalam khazanah ilmu negara.

Bagi pihak Persatuan Geologi Malaysia, saya ingin mengucapkan setinggi-tinggi penghargaan kepada Jawatankuasa Penganjur Persidangan Tahunan 2011 serta penganjur bersama Jabatan Mineral dan Geosains Malaysia dan Universiti Teknologi Malaysia yang telah membantu untuk merealisasikan Persidangan ini. Saya juga ingin merakamkan setinggi-tinggi penghargaan dan ucapan berbilang-banyak terima kasih kepada Kerajaan Negeri Johor dan rakan kerjasama lain atas sokongan padu yang telah diberikan. Semoga kita semua mendapat faedah daripada Persidangan ini.

Sekian, terima kasih.

PROF. DR. JOY JACQUELINE PEREIRA
PRESIDEN
PERSATUAN GEOLOGI MALAYSIA



Sekapur Sireh
KETUA PENGARAH
JABATAN MINERAL DAN GEOSAINS MALAYSIA

Assalamualaikum w.b.t, Salam Sejahtera dan Salam 1 Malaysia,

Terlebih dahulu, saya ingin mengucapkan setinggi-tinggi tahniah dan penghargaan kepada Persatuan Geologi Malaysia dan juga kepada Jabatan Mineral dan Geosains Malaysia (JMG), Negeri Johor serta Universiti Teknologi Malaysia (UTM) yang menjadi penganjur bersama Persidangan Geosains Kebangsaan 2011 yang diadakan di Johor Bahru dengan tema “Geoscientists and Ethics for a Sustainable Society”.

Sebagai agensi kerajaan yang menjadi peneraju dalam bidang mineral dan geosains serta mempunyai paling ramai geosaintis, tema persidangan tahun ini amat berkaitan sekali dengan peranan yang dimainkan oleh JMG. Berkaitan dengan isu ini, Pelan Strategik JMG 2011-2015 menggariskan beberapa objektif strategik dan pelan tindakan yang perlu dilaksanakan. Di antara objektif strategik tersebut adalah “Memantap pelaksanaan perkhidmatan geosains berkepakaran tinggi ke arah pembangunan mampan yang menyumbang kepada kesejahteraan hidup dan pemeliharaan alam sekitar”.

Objektif ini amat berkaitan dengan tema persidangan kerana selain daripada kepakaran tinggi para geosaintis, sikap dan etika yang betul perlu ada pada setiap geosaintis di dalam usaha menjadikan masyarakat ini sebagai satu masyarakat yang sejahtera dan lestari dengan alam sekitar yang didiaminya. Sistem penyampaian perkhidmatan awam yang cekap amat diperlukan bagi menjamin kelancaran dan keberkesanan pelaksanaan dasar serta strategi pembangunan negara. Dengan yang demikian, masyarakat akan dapat menikmati hasil daripada usaha kerajaan untuk menjadikan negara ini maju menjelang tahun 2020.

Akhir kata, saya mengucapkan terima kasih kepada Kerajaan Negeri Johor di atas sokongan yang diberikan. Tahniah kepada semua yang terlibat menjayakan persidangan ini. Mudah-mudahan Persidangan Geosains Kebangsaan 2011 ini berjalan lancar dan mencapai segala objektif yang diharapkan. Selamat Bersidang.

Sekian, terima kasih.

Y.BHG. DATO' YUNUS BIN ABDUL RAZAK
KETUA PENGARAH
JABATAN MINERAL DAN GEOSAINS MALAYSIA

PROGRAMME

DAY 1 – SATURDAY 11 JUNE 2011

08:00 – 09:00	REGISTRATION	
	OPENING CEREMONY	
	Arrival of Invited Guests	
	Arrival of Y.A.B. Dato' Hj. Abdul Ghani bin Othman, Menteri Besar Johor	
	Doa Recital	
	Singing of	
	— Bangsa Johor	
	— Negaraku	
09:00 – 10:00	Choral Speaking Presentation	
	Welcoming Speech by Y.Bhg. Dato' Yunus bin Abdul Razak, Ketua Pengarah Jabatan Mineral Dan Geosains Malaysia	
	Welcoming Speech by Prof. Dr. Joy Jacqueline Pereira, President Geological Society of Malaysia	
	Opening Speech by Y.A.B. Dato' Hj. Abdul Ghani bin Othman, Menteri Besar Johor	
	Montage Presentation	
10:00 – 11:00	POSTER SESSION 1 AND TEA BREAK	
11:00 – 11:30	KEYNOTE 1	
	NG CHAK NGOON	
	Engineering geology: The new frontier	
	TECHNICAL SESSION A1	TECHNICAL SESSION B1
11:30 – 11:50	PAPER A1 LOOK KEMAN BIN SAHARI Geoscientist and ethic of a sustainable society — Contribution from mineral related engineers	PAPER B1 RODEANO ROSLEE, TAJUL ANUAR JAMALUDDIN, MUSTAPA ABD. TALIP, JAMES ANTHONY COLLIN & BUDIRMAN RUDDING Application of the analytical hierarchy process (AHP) for landslide risk analysis (LRA) at Kota Kinabalu, Sabah
11:50 – 12:10	PAPER A2 WONG CHONG KIAN, EDY TONNIZAM MOHAMAD & ROSLI SAAD Challenges ahead for Johor granite quarry industries	PAPER B2 ZAKARIA MOHIUDDIN, CHOWDHURY QUAMRUZZAMAN, A.S.M. WOUBAIDULLAH, SYED GOLAM SARWAR, MAHFUZA KHANAM & KANIZ FATEMA A proposal of rehabilitation after abandonment of Madaripur open pit mine, Madaripur, Bangladesh
12:10 – 12:30	PAPER A3 S.V. ALAVI NEZHAD KHALIL ABAD, EDY TONNIZAM MOHAMAD, M. HAJIHASSANI, R. KALATEHJARY & E. NAMAZI Rock slope stability assessment by using kinematic analysis and Slope Mass Rating at Bandar Seri Alam, Johor	PAPER B3 MOHD HARITH AZHAR AND WAN HASIAH ABDULLAH Coal combustion characteristic of selected Pinangah Tertiary coal
12:30 – 12:50	PAPER A4 GOH T. L., GHANI RAFEK, A. & MOHD. HARIRI ARIFFIN Quantification of geomechanical strength of Malaysian schists	PAPER B4 VIJAYAN, V.R. & ABDULLAH SULAIMAN Seabed morphology and the implications on sand mining at One-Fathom Bank area, Selangor

PERTEMUAN PERSATUAN (MEETINGS OF THE SOCIETY)

12:50 – 13:10	PAPER A5 ISMAIL ABD RAHIM, SANUDIN TAHIR, BABA MUSTA & MOHD MUZHAFAR MOHD ZAKI Rock Mass Quality of the Crocker Formation from Tamparuli, Sabah, Malaysia	PAPER B5 ANIZAN ISAHAK & TAN JU LI Sustainable method of using cyanide in gold mining
12:30 – 14:30	LUNCH / PRAYER BREAK	
14:10 – 14:40	KEYNOTE 2 AHMAD KHAIRI ABD WAHAB Inundation modelling from tsunami propagation into the Straits of Melaka	
	TECHNICAL SESSION A2	TECHNICAL SESSION B2
14:40 – 15:00	PAPER A6 EDY TONNIZAM MOHAMAD, MOHAMED FAUZI MD ISA, MOHD FOR MOHD AMIN, NURLY GOFAR & ROSLI SAAD Strength reduction of various weathering grades of granite due to moisture content	PAPER B6 AZMILA MOHD KAMIL, HARYATI AWANG & FREDRICKSON ANTHONY IDI Application of electrical resistivity method in road subsurface profiling
15:00 – 15:20	PAPER A7 TAJUL ANUAR JAMALUDDIN, LIM CHOUN SIAN & SARAVANAN MARIAPPAN Kepentingan fotograf udara merungkai sejarah gelinciran tanah di Bukit Antarabangsa Hulu Kelang, Selangor Darul Ehsan	PAPER B7 YOUNES AJAL ABULGHASEM, JUHARI BIN MAT AKHIR, WAN FUAD WAN HASSAN, ABDUL RAHIM SAMSUDIN & BASHIR MOHAMED YOUSHAH The use of remote sensing data for iron ore exploration in the western part of Wadi Shatti, District, Libya
15:20 – 15:40	PAPER A8 MOHAMMAD EHSAN JORAT & MOHD FOR MOHD AMIN Evaluation in the preliminary assessment of rock properties in different sites	PAPER B8 MOHAMAD ABD MANAP, WAN NOR AZMIN SULAIMAN, MOHAMMAD FIRUZ RAMLI & NORAINI SURIP Lineament analysis for groundwater exploration using remotely-sensed imagery in upper Langat Basin
15:40 – 16:00	PAPER A9 MOHAMED ALI YUSOF BIN MOHD HUSIN & BABA MUSTA Effects of moisture and clay microstructure on the strength of soil along Kota Belud – Ranau Road, Tamparuli, Sabah	PAPER B9 DAVID P. SAHARA, SRI WIDIYANTORO, ANDRI D. NUGRAHA, RACHMAT SULE & BIRGER G. LUEHR Understanding the mechanism effect of the subduction process to the surface seismicity and volcanic activity in Central Java, Indonesia by using high resolution tomography
16:00 – 16:20	PAPER A10 TAN BOON KONG A tale of two airports: the new LCCT, Sepang, and the Senai Airport	PAPER B10 ARIESTY R. ASIKIN, ANDRI HENDRIYANA & RACHMAT SULE Application of partial CRS-Stack method to enhance gas reservoir characterization in a complex geological structure
16:20 – 16:40	PAPER A11 J.I. NKPADOBI & J.K. RAJ Correlating schmidt hammer rebound values with some engineering properties of the dinging schist in the Ukay Perdana area, Selangor Darul Ehsan	PAPER B11 MUHAMMAD AFIQ ZAIM ZA'BA & ZUHAR ZAHIR TUAN HARITH Artificial Neural Network in porosity and permeability estimation from wireline data
16:40 – 17:00	PAPER A12 CATUR CAHYANINGSIH, CHE AZIZ ALI & KAMAL ROSLAN MOHAMED Gunung Batur Beserta Kalderanya Sebagai Geologi Warisan Kintamani, Provinsi Bali, Indonesia	PAPER B12 FATIN LIYANA BINTI ALIAS, WAN HASIAH ABDULLAH & RALPH L. KUGLER Organic facies characterization of Tertiary coal-bearing sequence of the West Middle Block of the Pinangah Coal Field, Sabah, Malaysia

PERTEMUAN PERSATUAN (MEETINGS OF THE SOCIETY)

17:00 – 17:20	PAPER A13 F. TONGKUL, BABA MUSTA, WONG FUI PENG, CHE AZIZ ALI, KAMAL ROSLAN MOHAMED, KHAIRUL AZLAN MUSTAPHA & ASKURY ABD KADIR Preliminary geological findings of the Imbak Canyon 2010 Scientific Expedition, Tongod, Sabah	PAPER B13 WAN HASIAH ABDULLAH, LEE SI YING, MUSTAFFA KAMAL SHUIB, MOHAMAD PEDRO BARBEITO & MOHAMMED HAIL A HAKIMI Organic-rich sequences of the Miri Formation, Sarawak: implication for oil-generating potential
17:20 – 17:50	TEA BREAK	
19:00 – 22:00	CONFERENCE DINNER	

DAY 2 – SUNDAY 12 JUNE 2011

08:00 – 08:30	KEYNOTE 3 JOY JACQUELINE PEREIRA Geoscience governance for sustainable development	
	TECHNICAL SESSION A3	TECHNICAL SESSION B3
08:30 – 08:50	PAPER A14 M. HAJIHASSANI, A. MARTO, S.V. ALAVI NEZHAD KHALIL ABAD, EDY TONNIZAM MOHAMAD & R. KALATEHJARI Effects of geological conditions on surface settlement due to tunnelling in soft soils	PAPER B14 ABDUL GHANI RAFEK, GOH, T.L. & MOHD. HARIRI ARIFIN Penerbitan sudut geseran puncak satah ketakselajaran berdasarkan penentuan kekasaran permukaan dan ujian kemiringan: Contoh batuan syis, Semenanjung Malaysia
08:50 – 9:10	PAPER A15 AZRUL NORMI, I. & SAIM, S. Study on the Effectiveness of Managed Aquifer Recharge (MAR) Technique in Kg. Salang, Tioman Island, Malaysia	PAPER B15 ROS LI SAAD, NORDIANA MOHD MUZZAZAB, MOHD NAWAWI MOHD NORDINC, K.A.N ADIATD, NOER EL HIDAYAH ISMAILE, NUR AZWIN ISMAIL, ANDY ANDERSON BERYG & EDY TONIZAM MOHAMAD Correlation between 2-D resistivity and seismic refraction methods in shallow subsurface investigation
9:10 – 9:30	PAPER A16 ISMAL TAWNIE, ANUAR SEFIE & SAIM SURATMAN Groundwater contamination in North Kelantan: How serious?	PAPER B16 NORDIANA MOHD MUZZAZAA, ROS LI SAADB, MOHD NAWAWI MOHD NORDINC, NUR AZWIN ISMAILD, NOER EL HIDAYAH ISMAILE & ANDY ANDERSON BERY Enhancement of resistivity method with different arrays to detect void using miniature model
9:30 – 10:30	POSTER SESSION 2 AND TEA BREAK	
	TECHNICAL SESSION A4	TECHNICAL SESSION B4
10:30 – 10:50	PAPER A17 SULONG ENJOP Penglibatan JMG Sarawak dalam pembangunan sistem bekalan air graviti Negeri Sarawak	PAPER B17 SHARUL RIDZUAN BIN ZAINAL RASHID 2D electrical resistivity imaging survey to determine ground water at Kuala Baram, Miri, Sarawak
10:50 – 11:10	PAPER A18 HAMZAH HUSSIN & TAJUL ANUAR JAMALUDDIN Kajian fotograf udara untuk geologi kejuruteraan cerun di kawasan Bukit Chendering, Kuala Terengganu	PAPER B18 AHMAD BAKRI BIN ZUBIR & ASKURY ABD KADIR Basaltic soil and their utilization for drilling fluid and weighting agent
11:10 – 11:30	PAPER A19 NOORULAKMA AHMAD, ZULFAHMI ALI RAHMAN & WAN ZUHAI RI WAN YAACOB Pengaruh cecair larut resap terhadap had-had Atterberg dan sifat pemadatan tanah alluvium	PAPER B19 AZIMAH HUSSIN, AMIRUDIN RUSNI & INTAN NAZLIN HUSSIN Investigation on a Sungai Long granitic laterite for compressed earth blocks

PERTEMUAN PERSATUAN (MEETINGS OF THE SOCIETY)

11:30 – 11:50	PAPER A20 MOHD FOR MOHD AMIN, HOSSEIN JAHANMIRINEZHAD, CHAN SOEK HUE & EDAYU SALEH @ AMAN Effect of joints on mass properties of limestone - with regard to design of cast in situ micropiles	PAPER B20 ANIZAN ISAHAK, AZIMAH HUSSEIN & HABIBAH JAMIL Aggregate stability of tropical soils: Its implication to sustainable mining
11:50 – 12:10	PAPER A21 LIM CHOUN SIAN, ZAMRI RAMLI, ZAKARIA MOHAMAD & IBRAHIM KOMOO Engineering geological mapping of Kundasang Lama Landslide, Kundasang, Sabah	PAPER B21 AYE KO AUNG Stratigraphy of the Devonian Sediments in the Northwestern part of the Shan Plateau, Myanmar
12:10 – 12:30	PAPER A22 MOHAMMED HATTA B. ABD KARIM & HASNIDA BT. ZABIDI Nature of occurrences and sustainable groundwater resources of hard rock aquifers – Small islands of Johor, Malaysia	PAPER B22 BASIR JASIN & FELIX TONGKUL Some Radiolarians from the Baliojong ophiolite, Sabah
12:30 – 12:50	PAPER A23 NASIMAN SAPARI, FARAH HANAN TIPOL, NURUL FARAH RAHAMAT NOOR & SITI NURFARHANA MOHAMED ZAID Joint patterns in granite and its relationship with its slope failure: Bukit Lanjan rock slide revisited	PAPER B23 AHMAD MUNIF KORAINI, ZAINY KONJING & MARAHIZAL MALIHAN Tertiary palynomorph assemblage from Eastern Chenor Pahang
12:50 – 14:00	LUNCH / PRAYER BREAK	
	TECHNICAL SESSION A5	TECHNICAL SESSION B5
14:00 – 14:20	PAPER A24 NURSYAZREEN AHMAD MIRZA, HARYATI AWANG & KAMARUZAMAN MOHAMED Engineering properties of residual soil of weathered siltstone of Puncak Alam, Selangor	PAPER B24 MOHD YUSOP BIN RAMLI Stratigrafi kawasan Nanga Budu, Sarawak, Malaysia
14:20 – 14:40	PAPER A25 MOHD KHAIRUL NIZAR SHAMSUDDIN & SAIM SURATMAN Bank infiltration: A case study for an alluvium river bank	PAPER B25 MUSTAFA KAMAL SHUIB Evidences for recent seismicities and dating of active faulting in NW Peninsular Malaysia
14:40 – 15:00	PAPER A26 KENNEDY HJ MOHD IMRAN ARALAS Geological terrain mapping of South West Santubong Peninsula	PAPER B26 NURUL FARAH RAHAMAT NOOR, ASKURY ABD KADIR & SITI NURFARHANA MOHAMED ZAID Joint pattern of the granite in the eastern flank of Kledang Range, Perak
15:00 – 15:20	PAPER A27 NOOR HAZWANI ABDUL RAHIM, MOHD SHAFEEA LEMAN, KAMAL ROSLAN MOHAMED & CHE AZIZ ALI Jujukan fasies batuan Pulau Singa Besar dan Pulau Singa Kecil, barat laut Pulau Langkawi	PAPER B27 TEH GUAN HOE & WAN SHUKRIYYAH BT WAN AHAMAD KHALIL Occurrence of syenite and trachyandesite - trachyte in the Bukit Sepang Loi – Bukit Renchir Area, Buloh Kasap, Segamat, Johor
15:20 – 15:40	PAPER A28 SANUDIN TAHIR & KONG VUI SIONG Facies analysis and sandstone diagenesis of the Tajau Member, Kudat Formation, Kudat Peninsula, Sabah	PAPER B28 YASER, M.ABDEL AZIZ, AMADEU MECHANGOS C., DAUD JAMAL L. & AHMED, H. AHMED Chromite composition as evidence for the metamorphism in komatiite from greenstone belt, Manica area, Mozambique

15:40 – 16:00	PAPER A29 SANUDIN TAHIR, BABA MUSTA & HAFZAN EVA MANSOR Facies analysis of the Late Miocene Belait Formation of Labuan	PAPER B29 MOHD ROZI UMOR, AZMAN A. GHANI & HAMZAH MOHAMAD Petrogenesis and geochemistry of the Central Belt rocks, Peninsular Malaysia: Emphasis on the Stong Igneous Complex, Jeli, Kelantan and Benom Igneous Complex, Kuala Lipis, Pahang
16:10 – 16:30	TEA BREAK	
17:30 – 18:00	CLOSING CEREMONY	

POSTER SESSION 1: 09:30 – 11:00, Saturday 11 June 2011

- P1-1 HARIRI ARIFIN, M., GHANI RAFEK, A. & GOH, T.L.
Penggunaan kaedah indek halaju sebagai kaedah alternatif penilaian kualiti jasad batuan
- P1-2 MOHD HARIRI ARIFIN, ABDUL RAHIM SAMSUDIN, MOHD ROZI UMOR & HAMZAH HUSIN
2-D resistivity survey for cavity detection at Chiku 5, Gua Musang, Kelantan
- P1-3 SYED MUSTAFIZUR RAHMAN, NOUSHIN NARAGHI ARAGHI, ROSLI SAAD, M. N. MOHD NAWABI & KHAIRUL ARIFIN BIN MOHD NOH
Numerical computation of depth of buried geologic structure from the gravity anomaly data
- P1-4 MD. OMAR FARUK, SYED MUSTAFIZUR RAHMAN, MD. ABUL HASHEM & MUMNUNUL KERAMAT
Group velocity dispersion analysis of Kolabunia Chittagong earthquake for studying the crustal thickness
- P1-5 JATMIKA SETIAWAN & IBRAHIM ABDULLAH
Kimiawi batuan serpentinit di sepanjang sempadan Jalur Tengah dan Jalur Barat Semenanjung Malaysia dan implikasi tektoniknya
- P1-6 NOUSHIN NARAGHI ARAGHI, SYED MUSTAFIZUR RAHMAN, SAMIEH JONEIDI AND ROSLI SAAD
Probabilistic seismic hazard assessment in Gilan Province of Iran
- P1-7 JUNAIDI ASIS & BASIR JASIN
Some Cretaceous Radiolaria from Darvel Bay Ophiolite Complex, Kunak, Sabah
- P1-8 MALIHEH SADAT KAZEMI, SAMIEH JONEIDI, MOHAMMAD KAMAL GHASSEM ALASKARI & NOUSHIN NARAGHI ARAGHI
Estimation of anisotropic parameter γ in South Pars Field of Iran
- P1-9 MOHD FAZDLY MISLAN, PATRICK GOU & WAN HASIAH ABDULLAH
Anhydrous versus hydrous pyrolysis study of selected Tertiary coals from Labuan, Malaysia
- P1-10 MAMAN HERMANA, HAMDAD HAZIM, ZUHAR ZAHIR TUAN HARITH & CHOW WENG SUM
Monitoring of CO₂ injection into depleted oil reservoir using AVO analysis: Feasibility studies
- P1-11 YUNIARTI ULFA, NASIMAN SAPARI & ZUHAR ZAHIR TUAN HARITH
Faults and folds in the Miri Formation, Sarawak – Revisited
- P1-12 RODEANO ROSLEE, TAJUL ANUAR JAMALUDDIN, MUSTAPA ABD. TALIP, JAMES ANTHONY COLLIN & BUDIRMAN RUDDING
Landslide susceptibility mapping at Kota Kinabalu, Sabah using factor analysis model (FAM)
- P1-13 ZEINAB ASRY, ABDUL RAHIM SAMSUDIN, WAN ZUHAIRI YAACOB & JASNI YAAKUB
Groundwater investigation using electrical resistivity imaging Technique at Sg. Udang, Melaka, Malaysia
- P1-14 ZEINAB ASRY & SHAHARIN IBRAHIM
Bedrock detection using electrical resistivity imaging in Serdang, Malaysia
- P1-15 MOHD DANIAL HARIZ MOHD AZIR, CHE AZIZ ALI & KAMAL ROSLAN MOHAMED
Diagenesis batu kapur Pulau Tanjung Dendang Formasi Setul di Langkawi, Kedah
- P1-16 BABA MUSTA, HENNIE FITRIA W. SOEHADY E. & HAZERINA PUNGUT
Kelimpahan logam-logam terpilih dalam tanah dan sedimen di sekitar Semporna, Sabah
- P1-17 HONG TZY YANG & UMAR HAMZAH
Aplikasi teknik-teknik geofizik dalam kajian lubang benam di kawasan sekolah SMK Idris Shah Gopeng Perak
- P1-18 NUR ATIQA ANUAR & W. ZUHAIRI W. YAACOB
Pelarutan dan fluks jisim logam berat dalam medium porous dengan menggunakan kolum 1-dimensi dalam sistem bawah permukaan tepu
- P1-19 MOHD AMIR ASYRAF B SULAIMAN
Aplikasi teknik-teknik geofizik dalam kajian lubang benam di Kampung Chabang Dua, Kuala Dipang, Perak

PERTEMUAN PERSATUAN (MEETINGS OF THE SOCIETY)

- P1-20 MOHAMMAD FARIE BIN EDDY ABDUL KHALID
Survei geofizik dalam kajian lubang benam di Lapangan Terbang Sultan Azlan Shah, Ipoh, Perak
- P1-21 EDY TONNIZAM MOHAMAD, BADEE ABDULQAWI ALSHAMERI, MOHAMED FAUZI MD ISA, KHAIRUL ANUAR KASSIM, NURLY GOFAR & ROSLI SAAD
The effect of moisture content on the behaviour of older alluvium
- P1-22 EDY TONNIZAM MOHAMAD, MOHAMAD HAZRUL HASSAN, ROSLI SAAD & MOHAMED FAUZI MD ISA
Evaluation on projected and actual granitic rock profile in Pengerang Quarry, Johor
- P1-23 TEH GUAN HOE & MOHD ALIFF BIN AYOUB
Different styles of iron mineralization in the Luit area, Sri Jaya, Pahang
- P1-24 R. KALATEHJARI, N. ALI, M. HAJIHASSANI, S.V. ALAVI NEZHAD KHALIL ABAD & EDY TONNIZAM MOHAMAD
Limit equilibrium stability equations of soil slopes in complicated geological zones: Considerations and issues
- P1-25 JATMIKA SETIAWAN & IBRAHIM ABDULLAH
Kajian semula Zon Sesar Lebir di Sepanjang Sungai Lebir, Kelantan
- P1-26 MUSTAFFA KAMAL SHUIB
Deformation in Pokok Sena Area and its tectonic significance
- P1-27 FAUZIAH HANIS HOOD & SANUDIN TAHIR
Lithostratigraphy of the Late Neogene sedimentary sequence in Sandakan Peninsula
- P1-28 SITI YATIMAH YUSOFF, HARYATI AWANG, NOR HIDA A. GHANI, SYAZWANI MD HASSAN & ZAKIAH RAZAK
Effects of landfill contamination of soil using resistivity method
- P1-29 NORAZNIDA BT. KAMARUZAMAN
Pembangunan bahan geologi sebagai Zero Valent Iron (ZVI) dalam merawat pencemaran logam berat
- P1-30 NOR AZNIZA RESALI, HARYATI AWANG, KAMARUZZAMAN MOHAMED
Effects of compressional stress to P-wave and S-wave velocities in granite
- P1-31 IFTIKHAR AHMED SATTI, ZUHAR ZAHIR TUAN HARITH
Geophysical modeling of a part of Potwar (Missa Keswal) area by using seismic and well data
- P1-32 MOHD MUSTAQIM BIN MOHD NORDIN, SONG KI IL & ZAINAB BT MOHAMED
Evaluation of S-wave propagation due to natural rock joint surface
- P1-33 MAHSA TASHAKOR & HAMZAH MOHAMAD
An accurate XRF technique for the analysis of geological materials
- P1-34 MAHSA TASHAKOR, HAMZAH MOHAMAD, WAN ZUHARI WAN YAACOB, MD. PAUZI ABDULLAH & BABA MUSTA
Uncorrelated surface water and soil geochemistry in ultrabasic land of Ranau, Sabah
- P1-35 EDY TONNIZAM BIN MOHAMAD, AIN NAADIA BINTI MAZLAN, NAZIRAH HANIS BINTI MOHD NASIR & ROSLI SAAD
Characterisation of strength and durability of bedded sedimentary rock at Gelang Patah, Johor
- P1-36 MOHAMMAD ISMAIL, EDY TONNIZAM MOHAMAD & VOON SU HUN
Assessment of potential alkali silica reaction in aggregates from Teluk Ramunia, Johor, Malaysia
- P1-37 ABDULL HALIM ABDUL & EDY TONNIZAM MOHAMAD
Determining of the soil strain characteristics through the constant plastic index method

POSTER SESSION 2: 9:30 – 10:30, Saturday 12 June 2010

- P2-1 NG THAM FATT
Assessment of mechanical properties of granite aggregates using simple tests
- P2-2 BIBI NOORARLIJANNAH BINTI MOHAMMAD ALI, MOHD. HARUN ABDULLAH & LIN CHIN YIK
Application of geoaccumulation index and enrichment factor for assessing metal contamination in the sediments of Mamut River, Sabah
- P2-3 TAREQ H. MEZUGHI, JUHARI MAT AKHIR, ABDUL GHANI RAFAEK & IBRAHIM ABDULLAH
Landslide susceptibility mapping using the weights of evidence (WOE) method along the E- W Highway (Gerik – Jeli), Malaysia
- P2-4 LULUAN A. LUBIS, ZUHAR ZAHIR TUAN HARITH & KHAIRUL ARIFFIN MOHD NOH
Workflow to Reconstruct 3D Pore Space from 2D CT-Scan Image of Berea Sandstone
- P2-5 E. NAMAZI, EDY TONNIZAM MOHAMAD, S.V. ALAVI NEZHAD KHALIL ABAD, M. HAJIHASSANI & R. KALATEHJARI
Evaluation of effective parameters for boulders drilling and blasting
- P2-6 ROSLI SAAD, MOHD NAWAWI MOHD NORDIN & EDY TONNIZAM MOHAMAD
Evaluation of subsidence along the Kuala Lumpur-Karak Highway using 2D electrical imaging

- P2-7 NUR FATINIDIANA RAMLEE & BABA MUSTA
Kesan mikrostruktur terhadap kekuatan tanah berlempung dari Formasi Trusmadi yang distabilkan dengan kapur terhidrat
- P2-8 TONY THENG YICK FUN, JUHARI MAT AKHIR & ANWAR ABDULLAH
Lineament mapping using Landsat TM5 in Penang Island, Malaysia
- P2-9 CASSIDY ALOH & SANUDIN HJ. TAHIR
Lithofacies analysis of Kapilit Formation in Kalabakan Tawau
- P2-10 M. KHOLGHIFARD, K. AHMAD & S. Y. ZOLFGHARI FAR
The influence of initial water content and dry density on consolidation of compacted laterite soils
- P2-11 S. Y. ZOLFAGHARI FAR, M. R. HAININ, R. KALATEHJARI & M. KHOLGHIFARD
Stabilization of subgrade in tropical soils using chemical stabilisers
- P2-12 ZULFADZILAWATI SENIN & FELIX TONGKUL
Faktor bencana banjir di Daerah Pitas, Sabah
- P2-13 ELDAWATY MADRAN & FELIX TONGKUL
Pengaruh morfologi keatas kejadian banjir di kawasan pekan Beaufort, Sabah
- P2-14 FARHANA JAAFAR AZUDDIN, ABDUL JALIL MUHAMAD & NURFADHILA MOHD SHAREF
Organic matter distribution and preservation in modern environments: Sedili Besar estuary and offshore area case studies
- P2-15 AIDA BINTI AB WAHAB & F. TONGKUL
Pengaruh zon sesar keatas kerosakan jalan raya di kawasan Kundasang-Ranau, Sabah
- P2-16 AL HADI M ALI SHIWA & AZIMAH HUSSIN
The Sabha clay deposit, Libya: Its mineralogy and impending industrial significance
- P2-17 WONG YIEN LIM & LEE CHAI PENG
Stratigraphy of Ransi Conglomerate Member of the Middle Eocene to Oligocene Tatau Formation in the Tatau-Bintulu area, Sarawak
- P2-18 NG THAM FATT
Effects of fault deformation on the quality of granite aggregates
- P2-19 AYE KO AUNG, NG THAM FATT & KHOR SIMON
Permian foraminiferal assemblages from the limestone unit of the Gua Musang Formation in the Padang Tengku area, Pahang, Malaysia
- P2-20 MOHAMMED HAIL HAKIMI, WAN HASIAH ABDULLAH & MOHAMED RAGAB SHALABY
Evaluation of Lower Cretaceous Saar Formation as petroleum system in the Western Central Masila Basin, Republic of Yemen
- P2-21 WONG FUI PENG & F. TONGKUL
Kajian faktor banjir di Daerah Tenom, Sabah
- P2-22 SITI NURFARHANA MOHAMED ZAID, ASKURY ABD KADIR & NURUL FARAH RAHAMAT NOOR
Geochemistry and petrogenesis of metamorphic rock along Simpang Pulau, Perak – Cameron Highland, Pahang road
- P2-23 MOHAMED R. SHALABY, WAN HASIAH ABDULLAH & MOHAMMED H. HAKIMI
A comparative study of the source rocks in the Shoushan Basin, Egypt and the Malay Basin, Malaysia
- P2-24 MOHAMMED ISMAEL ABU-SHARIAH, SAWSAN KAMEL SHARIAH, ABDUL RAHMAN RAMLI & ABDUL RAHIM SAMSUDIN
Image processing for geological applications
- P2-25 MASATOSHI SONE, IAN METCALFE & MOHD SHAFEEA LEMAN
Where is the Permian–Triassic boundary (PTB) in central Peninsular Malaysia?
- P2-26 MOHD FITRY ABD RAZAK, JUHARI MAT AKHIR & ANWAR ABDULLAH
Determination of suitable landfill site in Lawin, Perak using Geographical Information System
- P2-27 SAWSAN K. SHARIAH, MOHAMMAD HAMIRUCE MARHABAN, ABD RAHMAN RAMLI & SAMSUL BAHARI B. MOHD. NOOR
Rain detection and removal using a new algorithm
- P2-28 NUR ISKANDAR TAIB
The Segamat Volcanics – OIB/Rift REE profiles with crustal contamination
- P2-29 MOHD RAZLAN ABD RAHMAN & ASKURY ABD KADIR
Naturally fractured granite characterization at Pulau Redang
- P2-30 NOER EL HIDAYAH ISMAIL, ROSLI SAAD, NORDIANA MOHD MUZTAZA, NUR AZWIN ISMAIL, M.N.M NAWAWI & EDY TONNIZAM
Groundwater finding in hard rock and alluvium using 2-D resistivity imaging

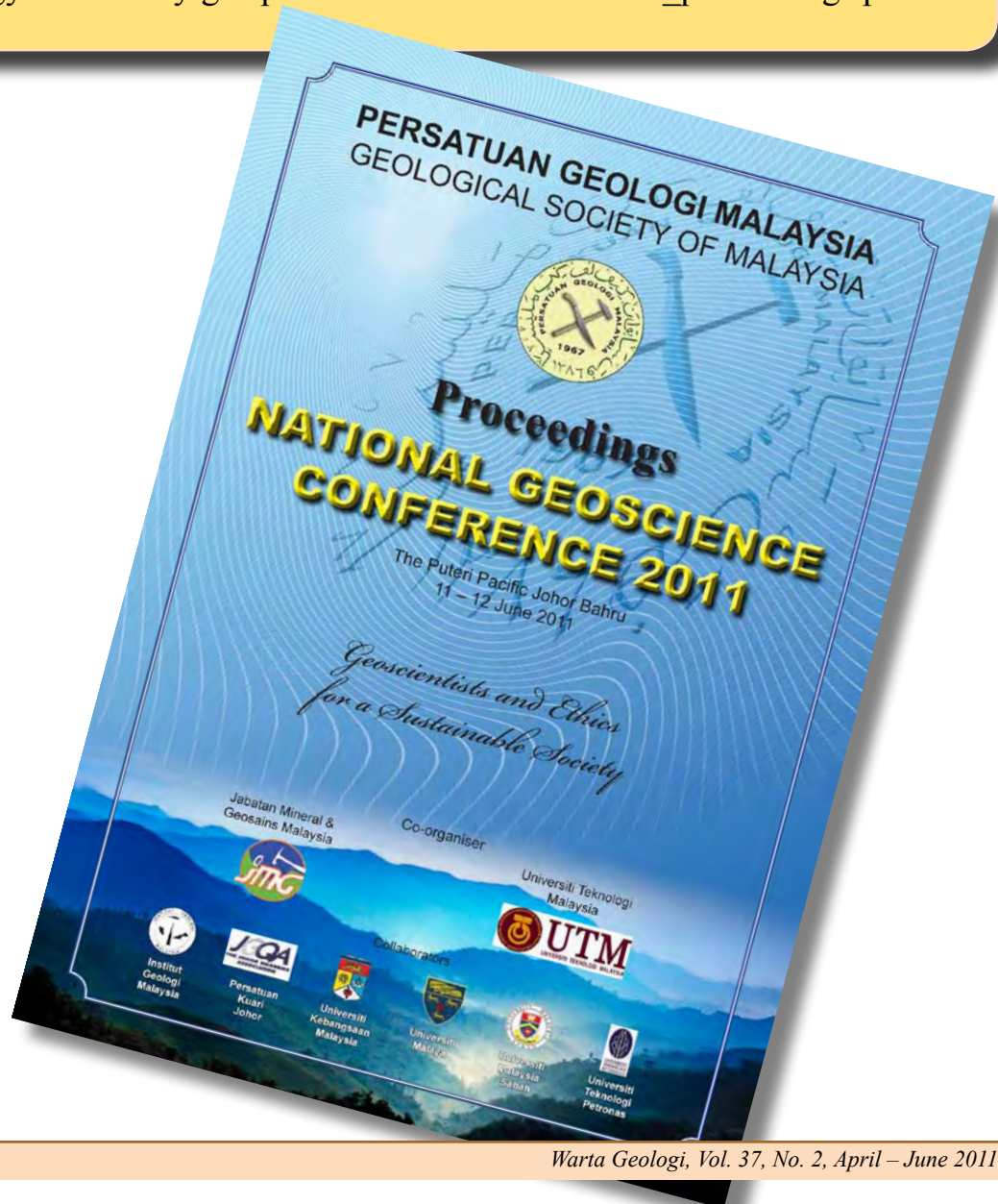
PERTEMUAN PERSATUAN (MEETINGS OF THE SOCIETY)

- P2-31 NUR AZWIN ISMAIL, ROSLI SAAD, M.N.M NAWAWI, NORDIANA MOHD MUZTAZA, NOER EL HIDAYAH ISMAIL & EDY TONIZAM MOHAMAD
Evaluation of subsurface karst features: A case study of geophysical investigation in piling problems at Gopeng, Perak
- P2-32 ANDY ANDERSON BERY, ROSLI SAAD, NORDIANA MOHD MUZTAZA, NUR AZWIN ISMAIL, NOER EL HIDAYAH ISMAIL & EDY TONIZAM MOHAMAD
Slope stability analysis using geotechnical properties and geophysical characteristics of soil
- P2-33 CHE AZIZ ALI
Usaha-usaha pemuliharaan dan pembangunan sumber geowarisan Langkawi geopark untuk geopelancongan
- P2-34 MISAL ZARITH BT. MISKAN, W. ZUHAIRI W. YAACOB & ABDUL GHANI RAFEK
Peta kejuruteraan geologi bagi kawasan Ampang-Ulu Kelang
- P2-35 BAHMAN PANAHI, EDY TONNIZAM BIN MOHAMAD & NORHAN ABD RAHMAN
Environmental impact of mining activities in Terengganu, Malaysia
- P2-36 EDY TONNIZAM MOHAMAD, DARLEEN ATHILA LENG & ROSLI SAAD
Factors influencing the excavation of hard material during trenching works at Kuching, Sarawak

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PERTEMUAN PERSATUAN (MEETINGS OF THE SOCIETY)



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CERAMAH TEKNIK TECHNICAL TALK

GEOLOGY AND TUNNELLING IN MALAYSIA

Tan Boon Kong

31 May 2011

Department of Geology, University of Malaya

The talk on “The Pahang-Selangor Interstate Water Transfer Tunnel” was scheduled for Tuesday 31st May, 2011, to be delivered by a speaker from KETTHA. Unfortunately, at the 11.9th hour, the speaker’s office emailed to say that, due to unavoidable circumstances, the speaker is not available to present his talk.

As the show must go on, the Chairman, Sdr. Tan Boon Kong, had to step in to give a replacement/back-up talk entitled “Geology and Tunnelling in Malaysia”. This talk was presented by Sdr. Tan as the 16th Chairman’s Lecture in January 2011. As such, for the benefit of those who had attended the earlier Chairman’s Lecture in January, Sdr. Tan also presented a short slide show on some interesting and unique rock formations/landscape in Norway (Preikestolen), before proceeding with the main talk on tunnelling. Incidentally, Norway has a lot of expertise in tunnelling.

The talk on “Geology and Tunnelling in Malaysia” covered the various geological factors affecting tunnelling and tunnel supports, such as lithology, structures and weathering. Numerous case studies were presented. The talk also touched on the role of geology in arbitration. For further details, the reader can refer to the following paper:

Tan, B.K., Ooi, T.A. & Ting, W.H. (2011). Geology and Tunnelling in Malaysia. Proc. Int. Conf. & Exhibition on Tunnelling and Trenchless Technology, 1-3 March 2011, Kuala Lumpur, 225-231.

Copies of the conference proceedings are available from IEM.

The talk was followed by many questions and discussions from the floor, as usual, and ended at slightly past 7 pm.

Tan Boon Kong
Chairman,
W/G on Engineering Geology, Hydrogeology &
Environmental Geology



WHERE ON EARTH ARE WE NOW?

Dr. Azhari bin Mohamed

Director of Survey (Geodesy), Mapping Division
Jabatan Ukur dan Pemetaan Malaysia (JUPEM)

6th April 2011

Bilik Mesyuarat, Bangunan Geologi, Universiti Kebangsaan Malaysia

Abstract: The Department of Survey and Mapping Malaysia (JUPEM) is the competent authority in maintaining the National Spatial Reference System. This is carried out through the setting up of geodetic infrastructures that includes horizontal and vertical survey controls throughout the country for the eventual purpose of national development, security and defence. Since 1997, JUPEM has been developing the capability for real-time data streaming from a network of 18 to the current 78 continuously operating reference Global Navigation Satellite System (GNSS) stations known as MyRTKnet.

The coordinates of MyRTKnet stations are in Geocentric Datum of Malaysia or GDM2000, defined by its relationship to ITRF2000 reference frame at a specified epoch of 1 January 2000. The datum definition was fixed at this epoch and did not include time dependencies although time series were produced as a by product for other geodynamic applications. However, due to the 2004, 2005 & 2007 earthquakes in Sumatra, large coordinate jumps had occurred. The earthquakes have generated motions and caused significant displacements to the geodetic infrastructures in Malaysia with magnitude of the displacements ranging from 1.0 to 25.8 cm. Modelling of more uniform time dependencies need to be applied in new computations in order to remove systematic errors due to earth deformation. This modelling is based on a velocity model and would effectively be a time-dependent transformation. All results would be converted back to the reference epoch and expressed in terms of that epoch.

This presentation seeks to address the review taken on GDM2000 by looking at the new GNSS data available after the incidents of earthquake in Sumatra and to produce a revised datum that is able to represent the present coordinate reference system for Malaysia. The newly revised datum is now known as GDM2000 (2009).

DIALOGUE ON THE FUTURE AND CHALLENGES OF EARTH SCIENTIST IN MALAYSIA

For the first time the Young Earth Scientist (YES) Chapter Malaysia has called upon the young earth scientists in the country, for a dialogue on the Future and Challenges of Earth Scientists in Malaysia. This historic event took place in Universiti Kebangsaan Malaysia on the 4th of May 2011. This dialogue was co-organised by the Institute for Environment and Development (LESTARI), Universiti Kebangsaan Malaysia and the Geological Society of Malaysia. The dialogue gathered 50 young earth scientists from government bodies, universities, private companies and individuals throughout the country. For those who couldn't attend the dialogue, they were able to follow the event via Skype. This event was officiated by Prof. Dr. Mazlin Mokhtar the director of LESTARI. The panel were Prof. Dato' Dr. Ibrahim Komoo a distinguished earth scientist who is a member of National Professor Council, Fellow of the Academy of Sciences Malaysia and a Fellow at the Institute Geology of Malaysia and Mr. Lim Choun Sian (Asst. Secretary) on behalf of the President of the Geological Society of Malaysia. The dialogue identified several challenges pertaining to the future of earth scientist in Malaysia. The first challenge is lack of leadership among the earth scientist which hinders the growth of this field. Among the consequences of this shortcoming are inability to play an active role in decision making, planning and implementing matters related to earth science. The second challenge is lack of capacity in coping and delivering meaningful contribution to the various needs in developing the country. Therefore the important of this field is not conspicuous to professional from other fields. Since we have identified the challenges, it is crucial for all young earth scientists to be a part of a geological organisation, either the Geological Society of Malaysia or Institute Geology of Malaysia to strengthen the earth scientists community of in the country. YES with the support from local and international organisations will be a platform for the young scientist to contribute towards the community at a local an international level.

Tanot Unjah

Chairperson, Working Group on Promotion of Geoscience & Young Geologists



The participants



The panels and moderator during the dialogue.



Prof. Dr. Ibrahim Komoo delivering his talk on the role of earth scientist in driving the development of the nation.

NEW MEMBERSHIP

Full Membership

1. Aaron Wiliam Hunter
2. Abdul Aziz Bin Muhamad
3. Abdul Manaf Bin Mohammad
4. Ali Andrea Bin Hashim
5. Grahame John Henderson Oliver
6. Ilani Binti Salleh
7. Jens Krieter
8. Ku Izhar Ku Baharudin
9. Mahat Bin Hj Sibon
10. Manfred Krieter
11. Mazlan bin Md Tahir
12. Ooi Chit Meng
13. Rosli bin Abdul Wahab
14. Tengku Mohd Syazwan Bin Tengku Hassan
15. Wan Suraya Alssendra Binti Che Wan Shamsiruddin
16. Zaki bin Alias

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1. Ahmad Syawal Bin Mamat
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9. Fatimah Bt Mohd Affandi
10. Fatin Liyana Binti Alias
11. Fatin Nurdiana Bt Basir
12. Hoh Fong Dar
13. Ila Naquia Bt Ali Badaruddin
14. Kho Kee Hui

15. Khor Simon
16. Lau King Fong
17. Lee Chung Shen
18. Leslie Chong Wei Seng
19. Lim Hui Xin
20. Lum Yuck Lai
21. Mohamad Faizal Bin Abdul Aziz
22. Mohammad Afiq B Md Ali
23. Mohd Azri Bin Azman
24. Mohd Harith Bin Azhar
25. Muhammad Safwan Bin Ishak
26. Muhammad Zahid Bin Zamanshah
27. Muhd Akram Bin Kamaruzaman
28. Noor Atirah Abdul Rahman
29. Nor Azira Binti Ahmad Murat
30. Noraisyah Binti Sapon
31. Norhasniza Hashim
32. Norshakira Bt Ab Ghani
33. Nur Dalila Mohd Ali
34. Nur Syuhadah Mohd Pauzi
35. Nur'ain Zalia Binti Azmi
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37. Nursufian Sulaiman
38. Nurul Amira Zulkurnain
39. Nuruljannah Binti Omar
40. Poon Xin Hui
41. Ragu Ragava Rao
42. Rizwana Afeefa Binti Md. Razip
43. Rus Idayu Bt Rusli
44. Sam Pei Xiu
45. Syarydha Fassha Bt Marjan
46. Syawal Anwar Bin Saedi
47. Teh Saufia Binti Abu Hasim Ajaubi
48. Tuan Nurulainalaniza Bt Tuan Chik
49. Wan Shukriyyah Binti Wan Ahmad Khalil
50. Yousif Taha El-hadad

Dear Members

Please update your contact details by sending your email address, telephone no. and fax no. to : geologicalsociety@gmail.com



GSM Photographic Competition 2011

1st Prize: RM1,000.00
2nd Prize: RM 500.00
3rd Prize: RM 300.00
5 consolation prizes of RM100.00 each

Deadline: 30 September 2011

Email your entry to gsmphotocompetition@gmail.com

Please read the Rules and regulation.



Geological Society of Malaysia Persatuan Geologi Malaysia

Photographic Competition 2011

Rules and regulations:

1. This photographic competition is open to all members of the Society, as well as the general public.
2. The purpose of the competition is to promote interest in the geology of Malaysia. We are especially interested in photographs that showcase the beauty and uniqueness of Malaysian geology, including geological landscapes, outcrops, specimens and photomicrographs of rocks, minerals and fossils. The subject matter and scene should be directly related to the geology of Malaysia. Judging will be based on artistic merit, originality and quality, as well as geological content.
3. Entries are to be submitted in the form of digital images in JPEG, TIFF, PSD or PNG file format. Maximum file size is 15 Mb and it is recommended that the image size be no smaller than 5 megapixels.
4. The subject matter and scene should be accurately depicted in the photograph. Limited digital adjustments (dust removal, cropping, level, saturation, colour balance and contrast, etc.) and black & white conversion are acceptable. Montages or blending of multiple photographs is not allowed, with the exception of panorama, HDR and DOF stacking.
5. Each contestant may submit up to ten entries, and multiple entries are encouraged. However, each contestant will be limited to winning two prizes.
6. The prizes are as follows:
1st Prize: RM1,000.00
2nd Prize: RM 500.00
3rd Prize: RM 300.00
5 consolation prizes of RM100.00 each
7. Each prize winner will also receive a certificate
8. By submitting the entry, the contestant acknowledges that he/she is the photographer, and sole owner of the photograph. By submitting the entry, you also grant the Geological Society of Malaysia the non-exclusive right to use your photographs. The winning photographs will become the property of the Society.
9. Closing date: All entries must reach the Geological Society of Malaysia before the 30th of September, 2011.
10. The decision of the judges is final. The organizers reserve the right to make adjustments to these rules and regulations if deemed necessary.
11. Entries in CD should be carefully packed and mailed to: The Organizer, GSM Photographic Competition 2011, c/o Department of Geology, University of Malaya, 50603 Kuala Lumpur, or email to gsmphotocompetition@gmail.com
Each entry must be accompanied by the following information in a text file:
 1. Name
 2. Address
 3. Profession
 4. Affiliation/Institution
 5. Telephone & fax
 6. Email address
 7. Image file name
 8. Title of photograph
 9. Description/Geological information
 10. Locality
 11. Camera & setting
 12. Digital adjustment (if any)

MSc Petroleum Geoscience @ Universiti Teknologi PETRONAS



Petroleum Geoscience is an interdisciplinary field that applies and/or involves geoscience principles and quantitative methods in the search and development of commercial oil and gas facilities. These include gathering and interpreting data, predicting output and managing risks and uncertainties. The MSc programme in Petroleum Geoscience in UTP is professionally tailored to train young graduates and professionals from the industry in the full range of approaches, methods and techniques to explore, evaluate and characterise new fields or reservoirs likely to contain oil or gas reserves.

The programme is designed to meet the capability requirements for exploration geoscience and reservoir geoscience, as well as upstream economics and E & P business demands. This is achieved through a programme of taught MSc degree course which offers 11 technical modules and 2 management electives to be completed over 3 semesters. There is a high degree of computer usage for project, teaching and on-line support. High performance workstations are able to provide powerful graphics and processing capability enabling students and high calibre staff to interpret, evaluate and characterise the subsurface.

Applicants for this programme should have a Bachelors Degree in the field of geology, geophysics, petroleum engineering or applied sciences from UTP or other recognised universities. Applicants with other related qualifications can be considered if they have the necessary research and working experiences and could demonstrate sufficient capabilities to pursue this postgraduate programme.

The curriculum is meticulously developed with inputs drawn from the experience of Institut Francais du Petrole (IFP) Paris and experts from the oil and gas industry in Malaysia and other parts of the world. The course is also designed to accommodate working professionals who would be able to utilise their work experience in projects. For fresh graduates, there will be opportunities to work on real projects with various petroleum companies through a 4-month industrial internship.



If you wish to have your institute or research featured in the PROFILE section, please email geologicalsociety@gmail.com

Talk organized by Total E&P, Malaysia

Continental deformation and large-scale evolution of basins in Eastern Asia: An update

Prof. Paul Tapponnier
Earth Observatory of Singapore

Paul Tapponnier gave a second talk on the 27th, sponsored by TOTAL E&P Malaysia. This talk was by invitation only, and most of the attendees were from oil and gas companies. Five academic staff from University of Malaya were also invited.

The question on everyone's mind had to do with Tapponnier's extrusion tectonics theory. Many Malaysian geologists have read, or are aware of, the original paper (Tapponnier et al., 1982), but are not aware of subsequent work on the theory. In the meantime, the theory has come under criticism by other researchers (see Hall et al., 2008). Is this theory still relevant? How well has it stood up over time? Does Tapponnier still subscribe to it in its original form? Has new data caused it to be modified, or altered in any way?

He began by showing us a movie of the original experiment. A block made up of contrasting bands of plasticine, representing the Eurasian plate, held rigidly on the left side but unbound on the right, was indented by a block of rigid PVC, representing the Indian subcontinent. On the left side, the plasticine was moved upwards and out of the way, however, on the right side, the plasticine was shoved to the right, with major strike-slip "faults" developing to accommodate the movement. In addition, blocks, bounded by faults, were seen to rotate clockwise by various amounts. Voids also appeared in between some of the blocks. The plasticine approximates the behavior of the crust at depth, where rock is plastic, rather than at the surface. Strike-slip faults generated in this manner will extend to very great depths, the entire thickness of continental crust will be involved.

Rates of continental movement can be derived from the study of ocean floor and spreading centers. In the present, the Indian subcontinent is moving north at about 5cm/yr. 50 million years ago, the rate was 14 cm/yr. The collision was initiated at about 50-55 m.a., causing a sudden slowdown in the rate. At this time, the fossil record shows that India, heretofore joined to Australia and populated by marsupials, was invaded by placental mammals. These estimates have not changed much over the last 20 years.

The degree of continental shortening due to the collision is, based on these rates, 3000-3500 kilometers, and the area of displaced material is about six million square kilometers. Can this amount be accommodated entirely by vertical movement? No, argues Tapponnier, even if the crust thickness has been doubled, vertical movement in the Himalayas and Tibet can only account for 1000 kilometers of shortening. The current outline of the Indian subcontinent that has been moved or deformed can also be derived from the position of its ophiolitic rim, which can be observed in the current Himalaya.

Given that vertical movement alone cannot accommodate this amount of continental shortening, it follows that something else must have occurred to do so, and Tapponnier stated that this was the sideways extrusion of South East Asia predicted by the plasticine model of 1982. He then went on to demonstrate that not only was this the case, but that the plasticine model also predicted many features we observe today in the structural geology and physical geography of region in question.

One of the major strike-slip faults in the region is the Red River Fault, which extends from Yunnan in China to the point defined by the south boundary of the Gulf of Tonkin in Vietnam. The shear zone is marked, in Yunnan, by the Ailao Shan, a prominent ridge of mylonite, several kilometers in width. The last movement along this fault has been dated to the Oligo-Miocene, which means this fault was active for 15 million years. Displacement along this fault was left lateral, and estimated at 500-700 kilometers, based on rates of movement, and displaced geology, such as sutures. Tapponnier also mentioned that the rich Tin Belt of China only extends south to the Ailao Shan, and then disappears. It reappears again as the Tin Belt of South East Asia, displaced to the east by 700 km.

A strike-slip fault with this much displacement cannot just end abruptly. According to the extrusion model, at the end of the Ailao Shan-Red River Fault is the South China Sea, which opened, due to movement along the fault, between 32 and 16 m.a. The latest data on magnetic anomalies of the South China Sea shows that spreading actually occurred on more than one, parallel, spreading centers (Briais et al., 1993; Leloup et al., 1995) Such an arrangement would be difficult to explain by normal, mantle plume driven rifting models, or by slab-pull models, but could be explained if the South China Sea were being pulled apart by the shearing of a continent. If the shear zone is propagating faster than can be accommodated by sea-floor spreading, stresses at its tip will cause subsequent spreading centers to open parallel to the first. This view of the South China Sea would be incompatible with the

idea that the Dangerous Grounds has drifted southeast from off Vietnam due to the subduction of a proto South China Sea under Borneo, as has been proposed by Taylor and Hayes (1983) and others. The best estimate of the amount of extension in the South China Sea is 540 +/- 50km. Added to the extension of the Dangerous Grounds, and this increases to 700km, which is consistent with estimates of movement along the Ailao Shan, as well as the displacement of the Tin Belt. Such a shear zone has all the properties of a plate boundary – the fault zone extends down into the deep lithosphere.

The Ailao Shan shows compression to the north, where rock that was originally 20-30 km deep is now on the surface, and extension to the south. Aside from the strike-slip movement of the fault, the block to the south-west has rotated clockwise in comparison with the block to the northeast, resulting in “zipper tectonics”. Cooling ages are younger to the north, where rocks which were hotter at depth have more recently been brought to the surface and were therefore at temperatures of closure more recently than those to the south.

Before the collision between India and the Eurasian Plate, the South Asian continental margin was much further south than it is now, extending as a line between the present day Gulf of Oman and Sumatra, shown by the detection by seismic tomography of a cold slab in the mantle at 1100km depth in this position (Replumaz et al., 2004). Since the collision, the plate margin has been pushed northward, and the Sunda Trench is now oriented north-south, west of the Andaman Islands and Sumatra. Subduction is now oblique to the shelf edge, resulting in lateral stresses which cause the right lateral movement along the Sumatra, Seuliman and West Andaman Faults, as well as the Sagaing Fault, which passes northwards through Myanmar. The Andaman Sea represents a pull-apart basin between the southern end of the Sagaing fault and the northern end of the West Andaman Fault (Curry, 2005).

Movement along the faults commenced at the beginning of the India-Asia collision during the Paleocene. The plasticine model accounts for the presence of not only the north-south trending faults such as the Sagaing and West Andaman Faults, but also northeast-southwest trending faults such as the Ranong, which passes through southern Thailand.

The model also explains the formation of the Malay Basin, caused by pull-apart tectonics at the end of the Three Pagodas Fault. Movement along this fault is estimated at 200 km, and the Wang Chao shear zone in Thailand is analogous to the Ailao Shan. In the plasticine model, voids appear between rotated blocks – and the Malay Basin is, indeed, a deep hole in the fabric of the Sunda platform.

So - how well does Tapponnier's extrusion tectonics model fare in the present day? Observations of the geology of Borneo, and elsewhere (compiled in Hall et al., 2008) would seem to contradict aspects of the model, particularly those which pertain to the extension of major strike-slip faults to the offshore area northwest of Borneo, and the movement and clockwise rotation of Borneo and other blocks in South East Asia. Yet, the data compiled by Tapponnier and his coworkers on the movement of faults in China and the Himalaya support his contention that large-scale movements have occurred, and distal motions in Borneo probably in part reflect counterclockwise rotations predicted by the model. The activities of Tapponnier and his coworkers since the 1982 publication have centered on the Himalaya, southern China, Vietnam and Myanmar, where active fault movements can be studied, and for this reason, are unfamiliar to many of us who study the tectonics of this part of South East Asia. Yet this work has great relevance to our region, and deserves to be considered whenever we interpret local geology.

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Report by Nur Iskandar Taib

Note: This second talk by Prof. Dr. Tapponnier in Kuala Lumpur was inadvertently left out in the previous issue of *Warta Geologi*.

UPCOMING EVENTS

August 1-5, 2011: Advanced Seismic Stratigraphy: A Sequence – Wavelet Analysis Exploration – Exploitation Workshop, Kuala Lumpur, Malaysia. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

August 5-15, 2012: 34th International Geological Congress, Brisbane, Australia. Contact: Dr. Ian Lambert, Geoscience Australia. Tel: +61 2 62499556; Fax: +61 2 62499983; email: ian.lambert@ga.gov.au; www.ga.gov.au/igc2012

August 8-12, 2011: Basin Analysis Workshop: An Integrated Approach, Singapore. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

August 14-19, 2011: 15th “Submarine hydrothermal processes and alteration of the oceanic lithosphere”, Prague, Czech Republic. www.goldschmidt2011.org

August 15-16, 2011: Introduction to Exploration and Production for New Engineers and Non-Technical Professionals, Singapore. Tel: +65 67419749; email: caroline@asiaedge.net; www.petroedgeasia.net

August 15-17, 2011: Technical Report Writing and Presentation Skills for Oil & Gas Engineers and Technical Professionals, Singapore. Tel: +65 67419749; email: caroline@asiaedge.net; www.petroedgeasia.net

August 22-23, 2011: Drilling Essentials for New Engineers and Non-Technical Professionals in Oil and Gas, Ho Chi Minh, Vietnam. Tel: +65 67419749; email: caroline@asiaedge.net; www.petroedgeasia.net

August 22-25, 2011: Geology for non-geologists, London, UK. Contact: Petroleum Institute for Continuing Education, Unit 201, 1228 Kensington Road, NW Calgary, Alberta T2N 3P7, Canada. Tel: +403 284 1250

August 23-25, 2011: Offshore Convention: Australasia 2011, Novotel Perth Hotel Langley, Western Australia. Contact: Tel: 86 21 5108 6710; email: marketing@neoventurecorp.com

August 29-31, 2011: Offshore Convention: Australasia 2011, Australia. Contact: Neoventure Corporation, OC Australia 2011 Team, Tel: 86 21 51086710; Fax: 86 21 51086712; email: marketing@neoventurecorp.com; neoventurecorp.com

August 29-September 2, 2011: Development Geology, London, UK. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

August 29-September 2, 2011: Operations Geology, Houston, USA. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

September 1-2, 2011: Dynamic Topography – a Key Surface Record of Deep Earth Processes, London, UK. Tel: 44 020 7434 9944/44 020 7432 0983; Fax: 44 020 7494 0579; email: georgina.worrall@geolsoc.org.uk

September 4-7, 2011: Geomunich2011 International Conference. Theme: Fragile Earth - Geological Processes from Global to Local Scales, Associated Hazards & Resources. Munich, Germany. Jointly held by Deutsche Gesellschaft für Geowissenschaften (DGG), Geologische Vereinigung (GV), and the Geological Society of America (GSA). www.geomunich2011.de

September 5-7, 2011: Volcaniclastic Rocs – Classification, Properties, Genesis and Depositional Settings, Vienna, Austria. HOT Engineering GmbH, Parkstrasse 6, A-8700 Leoben, Austria; Tel: +43 3842 43053-33; Fax: +43 3842 43053-1; email: training@hoteng.com

September 5-9, 2011: Oil and Gas Teams: How to Make Them Work, London, UK. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

September 7-9, 2011: Fermor 2011 – Ore Deposits in an Evolving Earth, London, UK. Tel: 44 020 7434 9944/44 020 7432 0983; Fax: 44 020 7494 0579; email: georgina.worrall@geolsoc.org.uk

September 12-16, 2011: Carbonate Reservoirs, London, UK. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

September 12-16, 2011: Seismic Interpretation, Kuala Lumpur, Malaysia. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

September 12-16, 2011: 3D Seismic Attributes for Reservoir Characterization, London, UK. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

September 14-16, 2011: 17th Meeting of the Association of European Geological Societies: Geology in Digital Age, Belgrade. Tel & Fax: +381 11 2632-166/182; email: secretariat@maegs-17.rs; www.maegs-17.rs

September 14-17, 2011: Brazilian Symposium on Geological Heritage. www.geoparks.it

September 19-20, 2011: National Postgraduate Conference: energy & sustainability: exploring the innovative minds, Tronoh, Perak, Malaysia. Tel: 605 3687080; email: zuharza@petronas.com.my; www.utp.edu.my/npc2011

September 19-21, 2011: GEOCATACLYSM-2011 World Forum – International Congress and Exhibition “Natural Cataclysms and Global Problems of the Modern Civilization”. Lutfi Kırdar Convention & Exhibition Centre, Istanbul, Turkey. <http://2011.geocataclysm.org/>

September 19-21, 2011: World Upstream, Geneva, Switzerland. Babette@glopac.com or sonika@glopac-partners.com

September 19-23, 2011. GeoItalia 2011 - The VIII Forum of the Italian Federation of Earth Sciences (FIST), Turin, Italy. Theme “Earth Science for Sustainable Development”. www.geoitalia.org/index.php?action=folder_list&folder_id=214

September 19-23, 2011: Production Geology, Kuala Lumpur, Malaysia. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

September 19-24, 2011: IGCP 596 - Opening Meeting. Graz, Austria. This is the opening meeting of IGCP 596 (Climate change and biodiversity patterns in the Mid-Paleozoic (Early Devonian to Late Carboniferous)). erdwissenschaften.uni-graz.at/aktuelles/veranstaltungen/igcp596

September 21-25, 2011: EDPD-2011 International Conference, Tamil Nadu, India. Tel: 91 90 2060 8727; Fax: 91 471 3043 187; email: edpd2011@transect.in; www.transect.in/edpd/default.aspx

September 26-27, 2011: Technical Report Writing & Presentation Skills for Oil & Gas Engineers, Kuala Lumpur, Malaysia. Tel: +65 67419749; email: caroline@asiaedge.net; www.petroedgeasia.net

September 26-27, 2011: Unconventional Gas: Tapping the Untapped: Global Opportunities in Developing Unconventional Gas Operations, London, UK. +44 (0) 20 7827 6156; email: agibbons@smi-online.co.uk; www.unconventionalgas-smi.com

September 26-29, 2011: The 36th HAGI & 40th IAGI Annual Convention & Exhibition: Exploring Eastern Indonesia, Clarion Hotel, Makassar, Indonesia. JCM2011 Secretariat, Patra Office Tower, 20 Floor, Suite 2045, Jl Gatot Subroto Kav 32-34, South Jakarta 12950, Indonesia. Tel/Fax: 0 21 5250040; email: secretariat@jcm2011.com

September 26-30, 2011: Petroleum Geochemistry: Tools for Effective Exploration and Development, London, UK. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

September 26-30, 2011: Applied Seismic Anisotropy for Fractured Reservoir Characterization, Kuala Lumpur, Malaysia. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

September 26-30, 2011: Seismic Acquisition Field Techniques – Theory and Practice, Kuala Lumpur, Malaysia. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

September 26-30, 2011: Basic Petroleum Geology, Houston, USA. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

September 26-30, 2011: Upstream Petroleum Contracts and Practice in Negotiations with Fugro Robertson. Tel: +65 67419749; email: caroline@asiaedge.net; www.petroedgeasia.net

September 26-30, 2011: Naturally Fractured Reservoirs: Geologic and Engineering Analysis, Houston, USA. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

September 28-30, 2011: Introduction to Petroleum Engineering, Vienna, Austria. HOT Engineering GmbH, Parkstrasse 6, A-8700 Leoben, Austria; Tel: +43 3842 43053-33; Fax: +43 3842 43053-1; email: training@hoteng.com

September 26-30, 2011: Foundations of Petrophysics, Kuala Lumpur, Malaysia. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

September 29-30, 2011: 16th Asia Upstream Conference, Singapore. email: Amanda@asia-oilweek.com

October 3-5, 2011: Petroleum Geoscience Basics, Vienna, Austria. HOT Engineering GmbH, Parkstrasse 6, A-8700 Leoben, Austria; Tel: +43 3842 43053-33; Fax: +43 3842 43053-1; email: training@hoteng.com

October 3-5, 2011: Seismic Data Processing for Interpreters, Vienna, Austria. HOT Engineering GmbH, Parkstrasse 6, A-8700 Leoben, Austria; Tel: +43 3842 43053-33; Fax: +43 3842 43053-1; email: training@hoteng.com

October 3-5, 2011: Capillarity in Rocks, Kuala Lumpur, Malaysia. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

October 3-7, 2011: Surface Production Operations, Dallas, USA. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

October 3-7, 2011: Basic Reservoir Engineering, London, UK. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

October 3-7, 2011: Coring and Core Analysis, Kuala Lumpur, Malaysia. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

October 3-14, 2011: Applied Reservoir Engineering, Kuala Lumpur, Malaysia. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

October 6-7, 2011: Unconventional Hydrocarbon Plays in Asia: A New GTW from AAPG, Singapore. AAPG Asia Pacific apereira@aapg.org

October 6-7, 2011: Introduction to the Upstream Petroleum Industry, Calgary, Canada. Petroleum Institute for Continuing Education Inc. Unit 201, 1228 Kensington Road NW, Calgary, Alberta T2N 3P7, Canada. Tel: +1 403 284 1250

October 9-11, 2011: Application of Neural Networks in Reservoir Characterisation, Dubai, UAE. HOT Engineering GmbH, Parkstrasse 6, A-8700 Leoben, Austria; Tel: +43 3842 43053-33; Fax: +43 3842 43053-1; email: training@hoteng.com

October 9-13, 2011: Reservoir Engineering for Non-Reservoir Engineers, Dubai, UAE. HOT Engineering GmbH, Parkstrasse 6, A-8700 Leoben, Austria; Tel: +43 3842 43053-33; Fax: +43 3842 43053-1; email: training@hoteng.com

October 10-12, 2011: Operating Company/Service Company Dynamics: How E & P gets done. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

October 10-13, 2011: Deepwater World Asia 2011, Singapore. Tel: + 65 6322 2772; email: yaling.ng@terrapinn.com; www.terrapinn.com/deepwaterasia

October 10-14, 2011: Basic Drilling Technology, Kuala Lumpur, Malaysia. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

October 10-14, 2011: Sand Control, Kuala Lumpur, Malaysia. Tel: +65 67419749; email: caroline@asiaedge.net; website: www.petroedgeasia.net

October 10-14, 2011: Introduction to Seismic Stratigraphy: A Basin Scale Regional Exploration Workshop, Houston, USA. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

October 11-14, 2011: Human Competency & Capability Development in Oil & Gas, Kuala Lumpur, Malaysia. Tel: +65 67419749; email: caroline@asiaedge.net; website: www.petroedgeasia.net

October 12-14, 2011: Budgeting and Forecasting in Oil & Gas, Kuala Lumpur, Malaysia. Tel: +65 67419749; email: caroline@asiaedge.net; website: www.petroedgeasia.net

October 12-18, 2011: The 2011 Miroslav Krs Conference: Time, Magnetism, Records, Systems & Solutions, Institute of Geology of the Academy of Sciences, Prague, Czech Republic. Tel: +420 233 087 7252; Fax: +420 220 922 670; Email: koptikova@gli.cas.cz

October 16-20, 2011: Introduction to Open Hole Log Analysis, Tripoli, Libya. . HOT Engineering GmbH, Parkstrasse 6, A-8700 Leoben, Austria; Tel: +43 3842 43053-33; Fax: +43 3842 43053-1; email: training@hoteng.com

October 16-20, 2011: Integrated Petrophysics for Reservoir Characterisation, Dubai, UAE. HOT Engineering GmbH, Parkstrasse 6, A-8700 Leoben, Austria; Tel: +43 3842 43053-33; Fax: +43 3842 43053-1; email: training@hoteng.com

October 17-19, 2011: Oil and Gas Financial Modelling, Kuala Lumpur, Malaysia. Tel: +65 67419749; email: caroline@asiaedge.net; www.petroedgeasia.net

October 17-21, 2011: Compressional and Transpressional Structural Styles, London, UK. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

October 17-21, 2011: Structural Geology Seismic Interpretation, Kuala Lumpur, Malaysia. Tel: +65 67419749; email: caroline@asiaedge.net; www.petroedgeasia.net

October 17-21, 2011: International Oil & Gas Executive Development Programme, Kuala Lumpur, Malaysia. Tel: +65 67419749; email: caroline@asiaedge.net; www.petroedgeasia.net

October 17-21, 2011: Advanced Seismic Stratigraphy: A sequence – Wavelet Analysis Exploration – Exploitation Workshop, Houston, USA. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

October 18-20, 2011: Geological Disposal of Radioactive Waste Conference: Underpinning Science and Technology, Loughborough University, UK. www.geolsoc.org.uk/radwasteconf11

October 23-26, 2011: AAPG 2011 International Conference and Exhibition (ICE), Milan, Italy. Theme: Following DaVinci's Footsteps to Future Energy Resources: Innovations from Outcrops to Assets. AAPG Convention Dept., P.O Box 979, Tulsa, Oklahoma 74101-0979; Tel: (918) 560 2617; Fax: (918) 560 2684; email: convene@aapg.org; website: www.aapg.org/milan2011/

October 23-27, 2011: Carbonate and Fracture Petrophysics – a roadmap, Dubai, UAE. HOT Engineering GmbH, Parkstrasse 6, A-8700 Leoben, Austria; Tel: +43 3842 43053-33; Fax: +43 3842 43053-1; email: training@hoteng.com

October 23-27, 2011: Production Logging and Reservoir Monitoring, Tripoli, Libya. HOT Engineering GmbH, Parkstrasse 6, A-8700 Leoben, Austria; Tel: +43 3842 43053-33; Fax: +43 3842 43053-1; email: training@hoteng.com

October 24-26, 2011: 3 day MBA in Shale Gas, Sydney, Australia. Contact: Vissia Cochon, Tel: +65 6305 9641; fax: +65 65362280; email: vissia.cochon@terrapinn.com; website: www.thembatrainingcompany.com

October 24-28, 2011: Evaluating and Developing Shale Resources, Oklahoma City, USA. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

October 24-28, 2011: Basic Geophysics, London, UK. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

October 31-November 1, 2011: Understanding Seismic Anisotropy in Exploration & Exploitation: Hands on, Kuala Lumpur, Malaysia. EAGE Asia Pacific Sdn Bhd., Tel: 603 27195551; Fax: 603 27195511; email: asiapacific@eage.org

October 31-November 1, 2011: Sweet-Spotting Unconventional Plays using the Integrated Charge Evaluation, Kuala Lumpur, Malaysia. EAGE Asia Pacific Sdn Bhd., Tel: 603 27195551; Fax: 603 27195511; email: asiapacific@eage.org

October 31-November 2, 2011: LNG Fundamentals with Michael William & Richard Harrison, Singapore. Tel: +65 67419749; email: caroline@asiaedge.net; website: www.petroedgeasia.net

October 31-November 4, 2011: 18th Africa Oil Week, BMW Pavilion Theatre, Cape Town, South Africa. Tel: +31 70 324 6154; email: babette@glopac.com/babette@africa-oilweek.com

November 1-3, 2011: Leadership and Team Management Skills for Engineers and Technical Professionals, Kuala Lumpur, Malaysia. Tel: +65 67419749; email: caroline@asiaedge.net; www.petroedgeasia.net

November 2, 2011: Non-Conventional Marine Seismic Acquisition: Evaluating the Tool Box, Kuala Lumpur, Malaysia. EAGE Asia Pacific Sdn Bhd., Tel: 603 27195551; Fax: 603 27195511; email: asiapacific@eage.org

November 2, 2011: Reservoir Geophysics, Kuala Lumpur, Malaysia. EAGE Asia Pacific Sdn Bhd., Tel: 603 27195551; Fax: 603 27195511; email: asiapacific@eage.org

November 3-4, 2011: 4D Seismic for Reservoir Management, Kuala Lumpur, Malaysia. EAGE Asia Pacific Sdn Bhd., Tel: 603 27195551; Fax: 603 27195511; email: asiapacific@eage.org

November 3-4, 2011: Hydrocarbon Recovery, Kuala Lumpur, Malaysia. EAGE Asia Pacific Sdn Bhd., Tel: 603 27195551; Fax: 603 27195511; email: asiapacific@eage.org

November 6-10, 2011: AVO, Inversion and Attributes: Principles and Applications, Dubai, UAE. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

November 7-11, 2011: Sequence Stratigraphy: An Applied Workshop, Houston, USA. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

November 7-18, 2011: Exploration and Production Process Basics: Understanding the Petroleum Industry Value Cycle, Kuala Lumpur, Malaysia. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

November 13-17, 2011: 48th Annual Session of The Coordinating Committee for Geoscience Programmes in East and Southeast Asia (CCOP). Bangkok, Thailand.

November 14-16, 2011: Petrophysics of Unconventional Reservoirs, Houston, USA. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

November 14-16, 2011: Applied Rock Mechanics, Houston, USA. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

November 14-17, 2011: Geology for Non-Geologists, London, UK. Petroleum Institute for Continuing Education Inc., Unit 201, 1228, Kensington Road NW, Calgary, Alberta T2N 3P7, Canada. Tel: +1 403 284 1250.

November 14-18, 2011: Seismic Velocities and Depth Conversion, Kuala Lumpur, Malaysia. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

November 14-18, 2011: Basin Analysis and Petroleum Systems, Vienna, Austria. HOT Engineering GmbH, Parkstrasse 6, A-8700 Leoben, Austria; Tel: +43 3842 43053-33; Fax: +43 3842 43053-1; email: training@hoteng.com

November 14-18, 2011: Petroleum Project Management: Principles and Practices, Houston, USA. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

November 14-18, 2011: Wireline Formation Testing and Interpretation, Kuala Lumpur, Malaysia. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

November 15-17, 2011: 2011 International Petroleum Technology Conference (IPTC), Bangkok, Thailand. email: cwonggillett@iptcnet.org; cwonggillett@spe.org; website: www.iptcnet.org; www.spe.org

November 21-23, 2011: Strategies for National Oil Companies with Willy Olsen. Tel: +65 67419749; email: caroline@asiaedge.net; website: www.petroedgeasia.net

November 21-25, 2011: Clastic Exploration & Reservoir Sedimentology. Tel: +65 67419749; email: caroline@asiaedge.net; website: www.petroedgeasia.net

November 21-25, 2011: Basin Analysis Workshop: An Integrated Approach, Paris, France. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

November 21-28, 2011: The First International Conference on African & Arabian Geoparks. El Jadida, Morocco. Theme "Aspiring Geoparks in Africa and Arab World". www.africangeoparksnetwork.org

November 21-December 2, 2011: Leading under Pressure: Managing Organizational & Personal Crises, Kuala Lumpur, Malaysia. COPE.X, P.O. Box 90767, Dubai, United Arab Emirates; Tel: +971 4 3616397; Fax: +971 4 3686886; email: training.dev@eim.ae

November 23-24, 2011: IADC Critical Issues Asia Pacific Conference & Exhibition, Kuala Lumpur, Malaysia. Tel: +31/(0)24-6752252; Fax: +31/(0)24 3600759; email: anouk.vandewater@iadc.org; www.iadc.org

November 27-December 1, 2011: Sandstone Reservoirs, Dubai, UAE. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

November 27-December 1, 2011: Structural and Stratigraphic Interpretation of Dipmeters and Borehole-Imaging Logs, Dubai, UAE. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

November 28-29, 2011: Deepwater Turbidites, Kuala Lumpur, Malaysia. Tel: +65 67419749; email: caroline@asiaedge.net; website: www.petroedgeasia.net

November 28-December 2, 2011: Pore Pressure, Fracture Pressure and Wellbore Stability Management, Vienna, Austria. HOT Engineering GmbH, Parkstrasse 6, A-8700 Leoben, Austria; Tel: +43 3842 43053-33; Fax: +43 3842 43053-1; email: training@hoteng.com

November 28-December 2, 2011: Bayesian Inference and Neural Networks in Formation Evaluation, Vienna, Austria. HOT Engineering GmbH, Parkstrasse 6,

A-8700 Leoben, Austria; Tel: +43 3842 43053-33; Fax: +43 3842 43053-1; email: training@hoteng.com

December 1-2, 2010: International Symposium on Advances in Ground Technology & Geo-Information (IS-AGTG), Singapore. website: www.is-agtg.com

December 5-6, 2011: Geomatics: Geodesy and Cartography, London, UK. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

December 5-7, 2011: LNG Contracts and Negotiation, Kuala Lumpur, Malaysia. Caroline, Tel: +65 67419749; email: caroline@asiaedge.net; www.petroedgeasia.net

December 5-8, 2011: First EAGE South-East Asia Regional Geology Workshop: Workshop on Palaeozoic Limestones of South-East Asia and South China, Ipoh, Malaysia. Contact: www.eage.org

December 5-9, 2011: Structural Styles in Petroleum Exploration, Kuala Lumpur, Malaysia. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

December 5-9, 2011: Reservoir Management, Houston, USA. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

December 12-13, 2011: Introduction to E & P for New Engineers and Technical Professionals, Kuala Lumpur, Malaysia. Tel: +65 67419749; email: caroline@asiaedge.net; www.petroedgeasia.net

December 12-16, 2011: Basic Petroleum Technology, Kuala Lumpur, Malaysia. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

December 12-16, 2011: Structural Styles in Petroleum Exploration, Kuala Lumpur, Malaysia. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

December 12-16, 2011: Shaly Sand Petrophysics, Houston, USA. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

December 12-16, 2011: Integrated Reservoir Modeling, Houston, USA. Tel: 603 2168 4751; email: ap-enquiries@petroskills.com

January 22-24, 2012, 4th International Professional Geology Conference, Vancouver, Canada. Theme: "Earth Science - Global Practice". www.4ipgc.ca

February 8-10, 2012: Workshop on EM in Hydrocarbon Exploration: Challenges & Prospects, Singapore. EAGE Asia Pacific Sdn Bhd., Tel: 603 27195551; Fax: 603 27195511; email: asiapacific@eage.org

PT SEA SDN BHD

Oil & Gas Training Schedule for 2011



NO	TRAINING COURSES	INSTRUCTOR	DATE	FEE
1	Well Stimulation Suite	Mr Denis Gaudet	Nov 14 - 18	USD 4,100
2	Exploring For Stratigraphic Traps Using Pressure/Depth Plots & Salinities	Mr Hugh Reid	Nov 14 - 18	USD 4,100
3	Well Completions & Workovers	Mr Denis Gaudet	Nov 21 - 25	USD 4,100
4	Sequence Stratigraphy Of Clastic Reservoirs	Dr Ray Rahmani	Nov 21 - 25	USD 4,100
5	Identifying Bypassed Pay (Additional Production) From Old DSTs	Mr Hugh Reid	Nov 21 - 25	USD 4,100
6	Practical Oil & Gas Reserve Evaluations Using Reservoir Engineering Tools	Dr Andrew Chen	Nov 21 - 25	USD 4,100

Please log on to our website www.ptsea.com for the courses' descriptions or instructors' details.

Please contact our office if there is any other question pertaining to the courses. Contact person : Jaclyn Ch'ng

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 Tel : +603 6201 6296 Fax : +603 6201 6297 Email : training@ptsea.com Website : www.ptsea.com

March 4-7, 2012: 14th EMPG Meeting (Experimental Mineralogy, Petrology & Geochemistry), Kiel, Germany. Institut für Geowissenschaften, Universität Kiel, 24098 Kiel, F.R. of Germany; Tel: +49 (0) 431 880-1451; fax: +49 (0) 431 880-4457; e-mail: holzheid@min.uni-kiel.de; www.empg2012.uni-kiel.de/program

March 25-29, 2012: State of the Art and Practice in Geotechnical Engineering, Oakland Marriott City Center, Oakland, California, USA. content.geoinstitute.org/geocongress2012.html

April 24-26, 2012: IV International Conference on Technology Seawater Intrusion in Coastal Aquifers. III International Symposium on Coastal Aquifers and Desalination Plants, Alicante, Spain. www.igme.es/internet/tiac12/

May 28-30, 2012: 2nd International Conference on Performance-based design in earthquake geotechnical engineering, Conference Center, Taormina, Italy. Associazione Geotecnica Italiana, Viale dell'universita, 11-00185 Roma, Italy; Tel: + 39 064465569 – 0644704349; fax: + 39 0644361035; email: agiroma@iol.it; www.associazionegeotecnica.it

June 4-6, 2012. United Nations Conference on Sustainable Development (Rio+20). Rio de Janeiro, Brazil. www.uncsd2012.org/rio20/

July 15-22, 2012. 9th International Symposium on Environmental Geochemistry (ISEG). Aveiro, Portugal. email: geo-9iseg@ua.pt

August 5-10, 2012: 34th International Geological Congress, Brisbane, Australia. www.34igc.org.

October 30-November 2, 2012: International Conference on Ground Improvement and Ground Control: Transport Infrastructure Development & Natural Hazards Mitigation, Innovation Campus, University of Wollongong, Australia. ICGI Conference Secretariat, Faculty of Engineering, University of Wollongong, Wollongong. Tel: 02 42215852; Fax: 02 42213238; email: icgi_2012@uow.edu.au

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- Bulletin 4** (1971). Papers in Petrology, Structure and Economic Geology. 100 p. Edited by P.H. Stauffer. Price: RM5.00.
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- Abstracts of papers** (1972). Regional Conference on the Geology of Southeast Asia. Kuala Lumpur, 1972. 64 p. Extended abstracts. Edited by N.S. Haile. Price: RM2.00.
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- Proceedings Annual Geological Conference 2000**. 435 p. Edited by G.H. Teh, Joy J. Pereira and T.F. Ng. Price: RM60.00.
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- Geological Evolution of Southeast Asia** (1996) Reprinted Edition. By C. S. Hutchison. 368 p. (out of stock)
- Geological Evolution of Southeast Asia** (2007) (Second Edition) by C. S. Hutchison. 433 p. Price: RM100.00; Student :RM50.00.
- Geology of Peninsular Malaysia** (2009) 479 p. Hardcover. Edited by C.S. Hutchison & D.N.K. Tan. Inclusive of Geological Map of Peninsular Malaysia. Price: Member RM150.00; Student Member RM70.00; Non-Member RM200.00
- Geological Map of Peninsular Malaysia** (2008). Scale 1:1 000 000. Price: RM50.00; Student: RM20.00.
- Malaysian Stratigraphic Guide** (1997). RM5.00
- Warta Geologi** (Newsletter of the Geological Society of Malaysia). Price: RM5.00 per issue from July 1966.

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EAGE

EUROPEAN
ASSOCIATION OF
GEOSCIENTISTS &
ENGINEERS

FIRST ANNOUNCEMENT AND CALL FOR PAPERS

First EAGE South-East Asia Regional Geology Workshop
**Workshop on Palaeozoic Limestones
of South-East Asia and South China**

5-8 December 2011
Ipoh, Malaysia

www.eage.org

About the workshop

Spectacular and picturesque Palaeozoic limestone outcrops, scattered around South-East Asia and South China, in places like Guilin (China), Halong Bay (Vietnam), Vang Vien (Laos), Kampot (Cambodia), Phuket (Thailand) and the Kinta Valley (Malaysia), may all be part of the same Palaeozoic carbonate system.

The first objective of this workshop will be to integrate the current knowledge about these formations and generate regional occurrence maps, establish a stratigraphic framework and set the basis for a palaeogeographic reconstruction of this South-East Asian Palaeozoic carbonate system.

The second objective will be to assess the regional potential of this carbonate system as a hydrocarbon play. The play has been successfully proven in a few places but is still largely underexplored, mainly because little is known of the Palaeozoic sequence at a regional scale and because the pre-Tertiary is commonly poorly imaged on seismic. The workshop will address the challenges faced by geoscientists who will sooner or later turn to pre-Tertiary plays and give an impetus to future exploration in Palaeozoic sequences.

Workshop Format

The workshop will be held at Universiti Teknologi PETRONAS (UTP) near Ipoh, Malaysia. It will comprise 3 days of presentations and discussions,

followed by a 1-day optional field trip to the spectacular Palaeozoic outcrops of the Kinta Valley. The workshop is organized in co-operation with Universiti Teknologi PETRONAS (UTP) and Minerals & Geoscience Department Malaysia (JMG).

Topics

Topics to be covered in the workshop include:

- Sedimentology
- Tectonics
- Hydrocarbon Plays
- Subsurface Imaging
- Palaeontology & Stratigraphy
- Palaeogeography
- Karst Landscapes and Processes
- Geohazards
- Geological Heritage

Call for Abstracts

The deadline for submitting abstracts is **1 August 2011**. To submit an abstract or for more information go to www.eage.org.

Contact

For more information or enquiries about this workshop please visit the event's website (www.eage.org) or contact the EAGE Regional Office Asia Pacific via asiapacific@eage.org.

We hope to see you in Ipoh!



Pencil Hill, Ipoh, Malaysia.

Workshop on Palaeozoic Limestones of South-East Asia and South China

Geological Society of Malaysia Publications

GENERAL POLICY

Papers should be as concise as possible. They may include original results of basic, applied and policy research of national or international significance, current reviews, or discussions on techniques, research programs, organisations, information, or national and international policies in geoscience.

SUBMISSION OF PAPERS

Only papers that have not been published elsewhere will be considered for publication. Authors must agree not to publish elsewhere a paper submitted and accepted. All papers will be subjected to review by two or more reviewers. Authors wishing to include published and unmodified figures or text passages are required to obtain permission from the copyright owner(s). Authors of English papers are strongly urged to have their manuscript edited for language before submission by a person whose first language is English.

The Editor reserves the right to reject all or any part of the paper submitted. The Geological Society of Malaysia assumes no responsibility for statements made by authors.

Three (3) original copies of the paper should be submitted to:

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MANUSCRIPT

The paper can be written in Bahasa Malaysia (Malay) or English. For English papers, use either British or American spelling but not a combination of both. The paper should be checked thoroughly for spelling and grammar. The manuscript must be printed at 1.5 spacing in a single column on one side of A4 paper. All pages should be numbered. Length of paper should be between 3,000 and 6,000 words for the *Bulletin* and between 2,000 and 3000 words for *Warta Geologi*, excluding tables and illustrations. Metric units should be used and all non-standard symbols, abbreviations and acronyms must be defined.

TITLE

Title must be informative and reflects the content of the paper. Title in Malay should include an English translation. It should be concise (less than 20 words). Avoid using abbreviation in the title.

AUTHOR'S ADDRESS

Addresses of all authors must be provided. The addresses should be sufficient for correspondence. Please include email address, telephone and fax of the corresponding author.

ABSTRACT

Abstract in both Malay and English, each in one paragraph and should not exceed 300 words. It should clearly identify the subject matter, results obtained, interpretations discussed and conclusions reached.

KEYWORDS

Please include 3 to 8 keywords that best describe the content of the paper.

REFERENCES

In the text, references should be cited by author and year and listed chronologically (e.g. Smith, 1964; Jones *et al.*, 1998; Smith & Tan, 2000). For both Malay and English paper, all references must be listed in English. Title of non-English articles should be translated to English.

The list of references should only include articles cited in the text. The list should be arranged in alphabetical order. Please ensure that the reference list is complete and the bibliographical details are accurate. The references should be in the following manner:

Journal article:

Suntharalingam, T., 1968. Upper Palaeozoic stratigraphy of the area west of Kampar, Perak. *Geol. Soc. Malaysia Bull.*, 1, 1-15.

Book:

Hutchison, C.S., 1989. *Geological Evolution of South-east Asia*. Clarendon Press, Oxford. 368 p.

Chapter of book and Symposium volume:

Hosking, K.F.G., 1973. Primary mineral deposits. In: Gobbett, D.J. and Hutchison, C.S. (Eds.), *Geology of the Malay Peninsular (West Malaysia and Singapore)*. Wiley-Interscience, New York, 335-390.

Article in Malay:

Lim, C.H. & Mohd. Shafeea Leman, 1994. The occurrence of Lambir Formation in Ulu Bok Syncline, North Sarawak. *Geol. Soc. Malaysia Bull.*, 35, 1-5. (in Malay with English abstract)

TABLES

All tables should be cited in the text and numbered consecutively. Tables should have a title and a legend explaining any abbreviation or symbol used. Each table must be printed on a separate piece of paper. Do not insert the tables within the text. Data in tables should be aligned using tab stops rather than spaces. Avoid excessive tabulation of data.

ILLUSTRATIONS

Please make sure that all illustrations are useful, necessary and of good quality. A maximum of ten (10) illustrations (photographs, graphs and diagrams) are allowed and these should be cited in the text and numbered consecutively as Figures. The papers are usually published in black-and-white but it may sometimes be possible to include colour figures at the author's expense. The scales for maps and photomicrographs should be drawn on the figure and not given as a magnification. Originals should not be greater than A4 size and annotations should be capable of being reduced down to 50 percent. The caption should be listed on a separate piece of paper. Do not insert the illustration within the text.

SUBMISSION OF ELECTRONIC FILES

Authors are required to submit electronic files together with three hardcopies of their papers. Submission should be made using CD-ROM. The CD-ROM should be accompanied with a listing of all files and the software (name and version) used. The file names should reflect the content of the files (e.g. Ali_Fig1.tif). Please make sure that the files and the hardcopies are the same.

PREFERRED SOFTWARE

Text: Microsoft Word. Please save in two versions, Word (.doc) and Rich Text Format (.rtf). Do not insert tables and illustration within the text.

Tables: Microsoft Word or Microsoft Excel. Please submit as separate files.

Illustrations – Vector Graphics: Adobe Illustrator (preferred), CorelDraw and Freehand. Final line thickness should be at least 0.5 point or 0.17 mm. For other software, please submit one copy in the native file format and export one copy as a PDF file with all fonts embedded and one copy as a high resolution TIFF or JPEG image.

Photographs or bitmap (raster) images: Adobe Photoshop. Please save as TIFF or PSD files. Save/scan line art at 600 to 1200 dpi and greyscale figures at 300 to 600 dpi. High resolution JPEG, TIFF or GIF files from other sources are also acceptable. The resolution must be high enough for printing at 300 dpi.

REPRINTS

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