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## WARTA GEOLOGI PERSATUAN GEOLOGI MALAYSIA

Newsletter of the

## **Geological Society of Malaysia**



Title : Oblique aerial view of Gunung Jerai, Pulau Bidan and the

estuary of Sungai Merbok

(Photograph taken at dawn on a flight from Kuala Lumpur

to Langkawi)

Locality : Kedah, Malaysia

By : Dr Ng Tham Fatt

University of Malaya



# No Limits

Baker Hughes is a leading Oil & Gas product and services organization. We operate in 90 countries worldwide with over 37,000 employees. We create value for Oil & Gas companies by offering leading drilling, formation evaluation, completion and production products and services. Baker Atlas, a Baker Hughes company, is currently looking for suitably qualified and experienced dynamic personnel to fill in the following position based in **Kuala Lumpur and Miri, Malaysia**.

Geologist (Sedimentologist) (Requisition ID 14371) Geotechnician (Requisition ID 15596) Geoscience Manager (Requisition ID 15598)

We are currently hiring Geoscience staff at all levels from BSc/BE, MSc. and PhD for our growing business in Malaysia. We have openings for a Sedimentologist (KL), geotechnician (Miri/KL) and an experienced Geoscience Manager (KL).

This is an exciting time to be part of Baker Hughes because of the rapid growth of our global business. You will work with a wide variety of advanced borehole data, including acoustics, NMR and borehole images, providing integrated geological and petrophysical interpretations for our clients in Malaysia and Asia Pacific.

For extra details regarding the jobs and in order to apply, please visit www.bakerhughes.com/careerportal and search for the jobs by the "Requisition ID" or by country (i.e. jobs based in Malaysia).

We regret that only short listed candidates will be notified Application Deadline: November 30<sup>th</sup>, 2007

At Baker Hughes, there are no limits to what you can achieve.

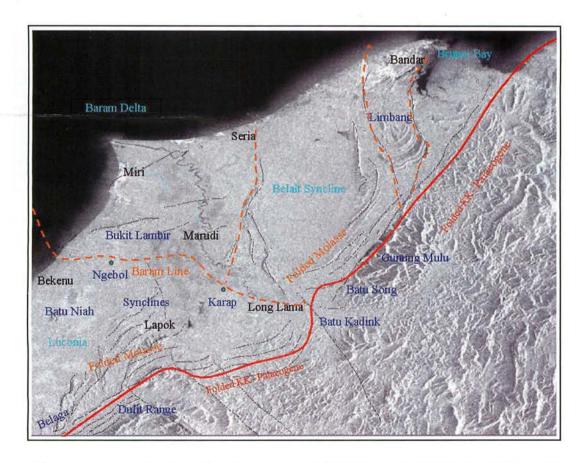


## **CATATAN GEOLOGI ( Geological Notes)**

#### VISITING TWO SARAWAK MUD VOLCANOES

## Dr. Franz L. Kessler Sarawak Shell Berhad

Where do mud volcanoes occur? Generally, they can be seen in sedimentary basins, where clay and sand are accumulating within a "geologically" short period of time. Then, following rapid burial, clay is liquefied. It moves upwards, intrudes sediment layers and, at times, reaches the surface. The plastic clay extrusions produce volcano-shaped cones that can reach a height of a few hundreds of feet, as seen in Trinidad or in the Caspian Sea.



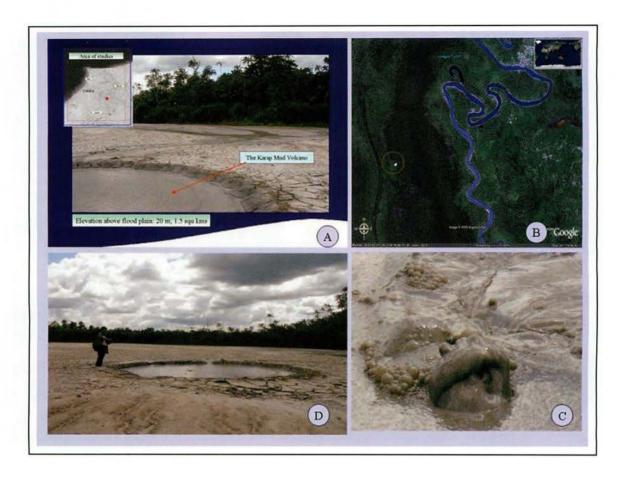
There are two mud volcano locations known in NW Sarawak: N'Gebol and Karap (shown as green dots on the tectonic summary map above). Both localities are close to the "Baram Line," a lineament that separates the "Baram Delta," an area of poorly consolidated Mid-Miocene-to-recent clastic deposits, from the (more consolidated) "Central Luconia."

#### VISITING TWO SARAWAK MUD VOLCANOES



The N'Gebol mud volcano, as shown above, is located in the centre of a wet valley-depression. It belongs to the Bukit Peninjau palm plantation area, positioned a few miles south of the "Baram Line." The N'Gebol crater area measures ca. 150 m in diameter, and there are several low-relief volcanoes quietly venting gas and mud. These cones are between one and three meters in diameter. Burnable gas is seen sizzling from the nearby rusty Bulak Setap—3 well-head.

#### VISITING TWO SARAWAK MUD VOLCANOES



The Karap volcano is a feature I found mentioned in a 1938 explorer's diary. It's a plateau that rises some 65 feet above the Baram flood plain level, and covers some impressive 1.5 square kilometers, with one central crater located right in the volcano's center (A, D). The volcano plateau can be identified on satellite pictures as a white spot (B). A mud eruption (C) occurs every few minutes, being accompanied by gurgling sounds and shivers. The extruding gas is not combustible; the mud feels fairly cool (an estimated 22 deg Celsius).

The Karap volcano can be reached after a 2.5 hour boat ride from Marudi, followed by a 30 minute bumpy ride on a "soap-box" train belonging to a temporary logging operation.

#### VISITING TWO SARAWAK MUD VOLCANOES



On the above picture, the "locomotive" is put back on track, at the terminus. An egg paper tray was used here to guarantee a minimum of sedentary comfort on the otherwise rigid vehicle.

What is known about the Sarawak mud volcanoes? Until now, these remain enigmatic features, pointing out that there is liquidized clay present in the sub-surface. How extensive are zones of liquid clay? Could these coincide with acoustic areas that appear signature-less, noisy and blurred on seismic? These questions could be important in the context of drilling safety, hydrocarbon generation and structural analysis. Possible mud volcano research might include gas analysis, clay mineralogy and also an age determination of the extruding sediments.

\* Manuscripts submitted on 18 September 2007 \*

## PERTEMUAN PERSATUAN (Meeting of the Society)

## Ceramah Teknik (Technical Talk)

#### **SMART PROJECT**

(Storm Management and Road Tunnel)

24th October 2007, Geology Department University of Malaya

(in collaboration with the Dept of Geology, University of Malaya and the Institute of Geology Malaysia, IGM)

#### Report

The talk on the SMART (Storm Management and Road Tunnel) project in K.L. was given by Mr. Gustav Klados, senior project manager, on 24th Oct. 2007, at the Dept. of Geology, University of Malaya.

The speaker gave a comprehensive overview of the SMART project, covering background to the project, site geology and difficulties with tunnelling in karstic limestone and mine tailings, details of the tunnelling method (TBM, or tunnel boring machine), as well as various excavations in rock for the access shafts, etc. The talk was well illustrated with high-quality photographs/viewgraphs.

As usual, many questions and answers followed the presentation, mostly centred around the safety aspects of the use of the tunnel such as recent "flooding"/ponding, etc.

#### Tan Boon Kong

Chairman

Working Group on Engineering Geology & Hydrogeology.

## **SMART PROJECT**

(Storm Management and Road Tunnel)



Mr Gustav Klados speaking on the Smart Project.



Mr BK Tan, Chairman of the Working Group, Engineering Geology & Hydrogeology introducing the speaker



Tea time before the talk proper



Tea time before the talk proper



Part of the participants at the talk



B.K.Tan presenting mementos to Mr Gustav Klados.

### Ceramah Teknik (Technical Talk)



Career Talk: "The Path Ahead"

6<sup>th</sup> October 2007 Geology Department University of Malaya

Ms. Nora Abu Zarin Schlumberger

Mr. Syed Mohd Muhafiz PETRONAS

Mr. Cormac Parsons Baker Hughes

Mrs. Intan Suhaila and Mr. Hairul Hafiz Alumni, Geology Department University of Malaya

American Association of Petroleum Geologists (AAPG) Student Chapter University of Malaya organized a career talk on the 6<sup>th</sup> of October 2007 from 2.00pm to 6.30pm, followed by a small fast-breaking gathering, in conjunction with the fasting month for the Muslims. Speakers from PETRONAS (Mr. Syed Mohd Muhafiz), Schlumberger (Ms Nora Abu Zarin), Baker Hughes (Mr. Cormac Parsons), and two alumni from this department (Ms. Intan Suhaila Mustafa and Mr. Hairul Hafiz) were invited to the event.

The primary objective of this talk is to enhance the knowledge of students in the working environments of oil and gas industry as well as to provide opportunity for them to submit their resume for job or internship. This event also aspires to construct a platform for students to socialize with their potential employer, subsequently obtain better understandings on these companies and their entry requirements.

The talk started at 2.00pm as planned in the tentative program. President of AAPG Student Chapter University of Malaya, Mr. Ong Hock Kim gave a warm welcoming speech to all the speakers, guest and students who attended the talk. He welcomed the speakers to the department, extended his gratitude to the organizing committee, and briefly introduces the student chapter's history and activities.

## Ceramah Teknik (Technical Talk)

Deputy Dean of Science Faculty, Prof. Dr. Lee Chai Peng, then officiate the event. In his speech, he thanked the speakers for their enthusiasm to participate in the talk, despite the ongoing fasting month for the Muslims. He also congratulated the entire student chapter for their initiative to conduct this beneficial activity. The director of the event, Ms. Loh Poh Yee then presented Prof. Lee with a souvenir as token of appreciation.

The first speaker of the day, Ms Nora Abu Zarin (recruiting manager of Schlumberger) started of her speech by introducing the history of Schlumberger, the values of the company, the type of employees they are seeking for, and the benefits the company provides. She mentioned that the company is constantly recruiting graduates that are competent in handling computer software and IT. Applicant also are preferably active in extra-curricular activities, have excellent communication proficiency, and adept in sales and customer service. The advantages of joining Schlumberger is then clearly delineated, such as conducive working environment, training and professional development, safe and secure working environment, world class technology and equipments, and access to international group of recognized expert. She then briefly shared a few interesting story of her being one of the few women working of the oil rig. After the speech, question and answer session took place and subsequently, Mr. Ong Hock Kim presented her with a token of appreciation. Resume of interested students were also collected.

Mr. Syed Mohd Muhafiz, from PETRONAS is the second speaker and he started his presentation in a rather relax manner by introducing the background of PETRONAS. The vision of PETRONAS is to be the leading oil and Gas Company locally and internationally. The mission of the company is to have a business entity where Malaysian government will be able to benefit 100% from the profit of the company. The primary responsibility of the company is to develop and add value to the national resource and the objective of this company is to contribute to the well-being especially to all Malaysian citizens. The core business of PETRONAS is petroleum, but they are also actively involved in F1 and education (UTP). According to Mr.Syed, priority is always given to the graduates with excellent extra-curricular background, fine leadership ability and good in communication skills, apart from being excellent in academics alone. He also personally encourages students to work with the national company, both for good career prospects and serving to the country. Continuous training will be given to every staff in PETRONAS. He also mentioned that interviews will be held annually in University Malaya and he hope that students will make good use of the interview opportunity. After the speech, the speaker received a souvenir from Ms. Loh Poh Yee, and resume of interested students are collected. Question and answer slot was carried out simultaneously.

The third speaker of the day, Mr.Cormac Parsons, a senior Geologist in Baker Hughes, explained about the background of Baker Hughes Company. Baker Hughes Geosciences is the heart beat of real time drilling and evaluation applications for Baker Hughes. Created through a partnership between Baker Atlas and INTEQ, two of the company's eight divisions, Baker Hughes Geosciences is built on a foundation of motivated geologist, geological engineers, petrophysicists, formation evaluation specialist, and reservoir and petroleum engineers. They help their customers such as ExxonMobil, BP, Anadarko and Shell as well as national oil company such as Petrobras and Saudi Aramco in the exploration, production and processing of oil and gas. According to him, in terms of employment, this company hires primarily master's degree holder. However, Baker Hughes also do hire bachelor's degree holder under certain condition. Similar to those mentioned by the two previous speakers, the criteria that this company seeks in employees is not

### Ceramah Teknik (Technical Talk)

only academic achievements but also other related soft skills. After the speech, question and answer session was conducted and the speaker then received a small token of appreciation from Mr. Ong Hock Kim. Resume of interested students were collected later.

After all the guest speakers from the three companies finish their presentations, alumni from the department then share their working experiences with students in a semi-formal manner. Mrs. Intan Suhaila and Mr. Hairul Hafiz conversed about their education background, experiences as students and employees, and also some insider on preparing for an interview. According to them, substantial homework should be done before attending an interview, such as understanding the company background, its organizational culture and so on. Being presentable, confident, punctual, and always be prepared for any type of question are also musts for every interview. They end their talk by wishing all students best of luck in their working life ahead.

The talk ended sharp at 6.30pm. While waiting for fast-breaking, a short bonding session with all the speakers and alumni took place. More detailed questions from students are answered by the speakers during this session.

At 7.15pm, foods were served after a short prayer from all Muslim speakers and students. This program was another achievement for the AAPG Student Chapter University of Malaya. Highest appreciation is extended to all members, non-members, participants, staff and lecturers, especially Professor Denis Tan Ngoh Kiat and Professor Dr Lee Chai Peng for their assistance and guidance. Gratitude is also expressed to Schlumberger, PETRONAS, Baker Hughes and the alumni of the department for their support and cooperation.

#### **LOHPOHYEE**

Secretary
American Association of Petroleum Geologists (AAPG)
Student Chapter University of Malaya

## AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS STUDENT CHAPTER, UNIVERSITY OF MALAYA

Career Talk: "The Path Ahead"



Prof. Dr. Lee Chai Peng, Deputy Dean of Science Faculty and professor of Geology Dept, University Malaya officiates the event.



A group photo of the committee members and speakers.



Ms. Nora collecting resume from students after her talk.



Students enjoying the fast-breaking together after the talk.



Ms. Nora introducing her company, Schlumberger



Mr. Cormac Parson introducing his company, Baker Hughes.

## AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS STUDENT CHAPTER, UNIVERSITY OF MALAYA

Career Talk: "The Path Ahead"



Mrs. Intan Suhaila delivering some of her experience and thoughts to students.



UM Geology Department alumnus, Mr. Hairul Hafiz sharing some interesting moments with his juniors.



Mr. Syed Mohd Muhafiz presenting his talk to students.



Director of the event, Loh Poh Yee have some words with the speakers and participants.



Mr. Syed receiving a token of appreciation from the director of the career talk, Loh Poh Yee.



Mr. Parson receiving a token of appreciation from president of AAPG Student Chapter UM, Mr Ong Hock Kim.

## **BERITA-BERITA PERSATUAN (News of the Society)**

#### COUNCIL MEMBERS WANTED

Our Council is looking for suitable candidates to head the following Groups as Chairman:

- 1. Working Group on Structural Geology & Tectonic
- 2. Working Group on Petroleum Geology
- 3. Working Group on Sedimentology, Stratigraphy & Paleontology

Interested candidate please write to GSM or call the Editor, Mr Lau YinLeong at 012-2093098.

## Keahlian (Membership)

#### **Full Members**

- 1. Mazrali bin Always
- 2. Cormac Parsons
- Bernard J.M. Pierson
- 4. Sahibin b Abd Rahim
- 5. Suhaimi Oesman Bany
- 6. Wan Mohd. Rozi b Idris

#### **Students Members**

- 1. Mizzouni bt S. Sutianto Lourdes
- 2. Tan Willy
- 3. Yasamin K.H. Ibrahim

#### **Address Wanted**

Mahadi Abd, Hamid

## BERITA-BERITA PERSATUAN (News of the Society)

### Pertukaran Alamat (Change of Address)

- Anyi Ngau, British Gas Asia Pacific Pte. Ltd., 83 Clemenceau Avenue, #14-08 UE Square, Singapore 239930
- 2. Mario Wannier, Shell Exploration & Production, Postbus 60, 2280 AB Rijswijk, The Netherlands
- M. Yasir Arafat, c/o Ellegant Man Power Services, shah Plaza Mainchowk Dargai Bazar, Dargai Mapakand Agency, N.W.F.P. Pakistan 25000
- 4. Clive A. Foss, Encom Technology Pty. Ltd., P.O. Box 702, North Sydney, NSW 2059, Australia
- Ahmad Abas, EPE-T-D, Nederlandse Aardolie Maatschappij B.V., Postbus 28000, 9400 HH Assen, Netherlands
- 6. Navpreet Singh, Shell China Exploration & Production Co., 3/F East Wing Office, China World Trade Center, No. 1, Jian Guo Men Wai Dajie, Beijing 100004, P.R. China
- Radios Hendrartijanto, PT. Inco Tbk-Sorowako, Mine Engineering Office-Gunung Batu, Sorowako, South Sulawesi, Indonesia

### Pertambahan Baharu Perpustakaan (New Library Additions)

- Minerals & Geoscience Department Malaysia: Technical Papers: Proceedings: 20<sup>th</sup> Geological Conference, 1989 (volume 1); 21<sup>st</sup> Geological Conference, 1990 (volume 2); 22<sup>nd</sup> Geological Conference, 1991 (volume 3); 23<sup>rd</sup> Geological Conference, 1992 (volume 4); 24<sup>th</sup> Geological Conference, 1993 (volume 5); 25<sup>th</sup> Geological Conference, 1994 (volume 6)
- 2. Industrial mineral production statistics and directory of producers in Malaysia 2004 & 2005
- 3. Minerals & Geoscience Department Malaysia: Technical Papers volume 1 (2000); volume 2 (2003); volume 3 (2006) & volume 4 (2007)
- 4. Malaysian Mining Industry 2004 & 2005
- 5. Minerals & Geoscience Department Malaysia: Geological Papers volume 5 & 6 (2006)
- 6. Minerals & Geoscience Department Malaysia Annual Report 2005
- Proceedings of dialogue session "Opportunities in the clay-based industries", Sept 1996, Kuala Lumpur
- 8. Malaysian Minerals Yearbook 2003, 2004 & 2005
- 9. Directory of Industrial Mineral-Based Industries 2004
- 10. Malaysian Mineral Trade Statistics 2006 (2007)
- 11. Directory of Mineral-Based Industries 2005 (2006)
- 12. Episodes, vol. 30, no. 3, 2007

## **BERITA-BERITA PERSATUAN (News of the Society)**

## **Proceedings for Sale**

- 1. Forum on groundwater, 1994 (3 copies)
- 2. Forum on environmental geology & geotechnics, 1995 (4 copies)
- 3. Dynamic stratigraphy & tectonics of Peninsular Malaysia, 3<sup>rd</sup> seminar— The Mesozoic of Peninsular Malaysia (2 copies)
- 4. GSM-IEM forum: the roles of engineering geology and geotechnical engineering in construction works: proceedings (10 copies)

## **BERITA-BERITA LAIN (Other News)**

#### **Technical Talk**

#### "Earthquakes- teach yourself by using the Internet"

Wednesday, September 5, 2007.

Council Hall
Curtin University of Technology, Sarawak Campus

This dynamic technical talk was presented by Dr. Franz L. Kessler (Sarawak Shell Berhad) to a packed audience of around 70 people at Curtin University of Technology, Sarawak Campus.

In his talk, Dr Kessler indicated that there is a wealth of data about earthquakes and earthquake research, available on the internet. He pointed out that practically anyone could monitor earthquakes in almost real time. He illustrated this by logging on to the appropriate websites and gave a real-time demonstration on earthquake hazards/monitoring data bases. Data bases such as the USGS offer a fantastic compilation of historical data. The talk was filled with examples from around the world. He concluded by suggesting that with the available state-of-the-art technology, many valid interpretations could be made of the events leading to the occurrence of this geological hazard and that there were excellent avenues for further research. Some useful URLs: <a href="www.deos.tudelft.nl">www.deos.tudelft.nl</a>, <a href="www.en.wikipedia.org">www.en.wikipedia.org</a>, <a href="www.en.wikipedia.org">

The question and answer session was exhilarating with Curtin students taking the lead in fielding relevant questions to the distinguished speaker. The 1-hour talk concluded at 4:30pm.

Assoc. Prof. Dr. Eswaran Padmanabhan Curtin University of Technology., Sarawak Campus

#### **Biography**

Dr. Kessler was born in Muenchen, Germany. He obtained his Diploma Geology (structural geology) and a PhD carbonate sedimentology in Freiburg. He has spent the last 22 years in the oil industry exploration (Shell), serving ventures in Africa, South America, the Middle East and Asia. He has lectured on deepwater system in Cairo, Perth and Stavanger. He is currently assigned to high temperature/high pressure oil & gas projects in Sabah and Sarawak. Dr. Kessler has carried out a field work campaign in Sarawak. He is also the author of a number of geoscience and other publications.

## Technical Talk "Earthquakes - teach yourself by using the Internet"



Dr. Kessler making a point on seismicity



Dr. Kessler answering questions from participants



A section of the audience



Dr. Kessler providing additional clarification to some participants after the talk



Tea-time for the participants



A small token of appreciation given by the Director of the School of Engineering and Science, Assoc. Prof. Dr. Chua Han Bing.

### **BERITA-BERITA LAIN (Other News)**

### **Technical Talk**

"Impact of Spatial Variability on the Classification and Management of Peatlands in Asia"

Friday, September 21, 2007.

#### Curtin University of Technology, Sarawak Campus

The above technical talk was presented by Dr. Eswaran Padmanabhan to an audience of around 20 people at Curtin University of Technology, Sarawak Campus. A few geologists from Sarawak Shell Berhad also attended this talk.

#### Abstract

Globally, wetlands occupy about 18.96 x 106 km<sup>2</sup>, of which 2% is made up of organic soils. In Asia, about 2.2 million  $\text{km}^2$  ( $\sim 1.0\%$ ) of the land surface comprises peat or Histosols. The current global approach to land use/management places considerable emphasis on environmental quality, conservation of biodiversity and preservation of ecosystem while striving to achieve sustainable land management, use and production. Ignorance of the functions and value of such areas has lead to many forms of degradation. The most important factor differentiating peatlands from their mineral counterparts is microvariability; this has not been addressed adequately and requires innovative approaches and technologies. Therefore, sustainable development of the peat soils requires not only a holistic approach to the management but also dictates the need for a paradigm shift in resource characterization, research trends and land use policies. Research strategies needed to ensure sustainable development of organic soils include the urgent need for innovative measures to characterize the resource, evaluating and monitoring soil quality, assessing the potential of peat lands to release methane and other greenhouse gases upon drainage, and assessing the integrity of the ecosystem. Issues pertaining to productivity, assisting in the design of rational policies for development, promoting preservation of heritage, inculcating the ownership concept and developing better methods to gauge the economic viability of such projects are additional important factors that ensure sustainability. Conventional surveys must be augmented with more innovative techniques as current methods suffer from various kinds of limitations. Innovative technologies are urgently needed to overcome these limitations in order that the peat land resources are managed in a sustainable manner within the realms of inferred resilience of the system.

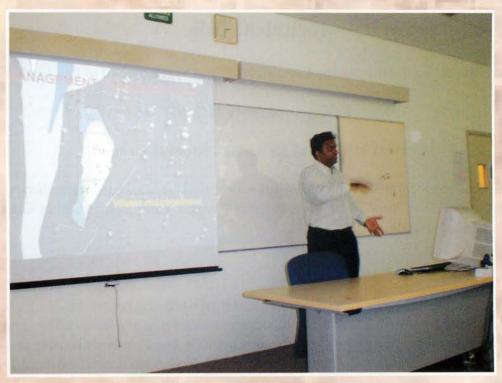
This presentation is based on collaborative work done with the Natural Resources Conservation Service (United States Department of Agriculture), Federal Land Consolidation and Rehabilitation Authorities (FELCRA, Malaysia), STRAPEAT (Strategies for Management of Peatlands, DANCED), UNIMAS and Univ. of Saskatchewan (Canada).

The 1-hour talk concluded at 3:00pm.

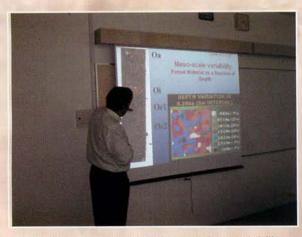
#### Assoc, Prof. Dr. Eswaran Padmanabhan

Curtin University of Technology., Sarawak Campus)

# Technical Talk "Impact of Spatial Variability on the Classification and Management of Peatlands in Asia"



Assoc Professor Dr Eswaran elaborating on management strategies.



Dr. Eswaran making a point on microvariability.



A section of the audience.

## **BERITA-BERITA LAIN (Other News)**

### **Up Coming Events**

November 18-21, 2007: Challenge our Myths: Energy Conference & Exhibition. Presented by AAPG & AAPG European Region. Venue: Megaron – Athens International Conference Centre. Contact: Marvetta McNeel, Tel: 1 888 945 2274 ext. 692 (toll free USA & Canada only); 1 918 560 2692 (direct); email: <a href="marvetta@aapg.org">marvetta@aapg.org</a>; website: <a href="marvetta@aapg.org">www.aapg.org</a>/athens

November 28-30, 2007: 2<sup>nd</sup> International Conference on Geotechnical Engineering – "New Developments in Geotechnics", Central South University, Changsha, Hunan, China – call for papers. Contact: Tel: 065 67332922; Fax: 065 62353530; email: <a href="mailto:cipremie@singnet.com.sg">cipremie@singnet.com.sg</a>

December 2-7, 2007: Securing groundwater quality in urban and industrial environments, Fremantle, Western Australia. Contact: Viv Baker, Tel: 61 8 9333 6274; email: <a href="wiv.baker@csiro.au">wiv.baker@csiro.au</a> or Greg Davis: Tel: 61 8 9333 6386; email: <a href="mailto:greg.davis@csiro.au">greg.davis@csiro.au</a>. Website: <a href="www.csiro.au/GQ07">www.csiro.au/GQ07</a>; email: <a href="mailto:GQ07@csiro.au">GQ07@csiro.au</a>.

December 5-7, 2007: 8<sup>th</sup> Pacific Conference on Earthquake Engineering, Singapore. Contact: The Secretariat, 8<sup>th</sup> Pacific Conference on Earthquake Engineering, c/o CMA International Consultants Pte. Ltd., 1, Liang SeahStreet, #02-12 Liang SeahPlace, Singapore 189022. Tel: +65-6336 2328; Fax: +65-6336 2583; email: 8PCEE@ntu.edu.sg; website: www.ntu.edu.sg/cee/8PCEE/

2008: The International Year of Planet Earth (IYPE). Contact: website: <a href="www.esfs.org/index.htm">www.esfs.org/index.htm</a> or <a href="www.yearofplanetearth.org">www.yearofplanetearth.org</a>

January 7-11, 2008: International Conference on Geology: Indian Scenario & Global Context, Calcutta, India. Contact: Fax: +91 33 2577 3026; email: <a href="mailto:gsu2008@isical.ac.in">gsu2008@isical.ac.in</a> or <a href="mailto:gsu2008@isical.ac.in">gsu50.isi75@gmail.com</a>. Website: <a href="mailto:www.isical.ac.in">www.isical.ac.in</a>

January 14-15, 2008: Petroleum Geology Conference & Exhibition 2008, Kuala Lumpur Convention Centre. Contact: Organising Chairman, PGCE 08, Geological Society of Malaysia, c/o Dept. of Geology, University of Malaya, 50603 Kuala Lumpur, Malaysia. Tel: 603 79577036; Fax: 603 79563900; email: <a href="mailto:geologi@po.jaring.my">geologi@po.jaring.my</a>; website: <a href="mailto:www.pgcem.com">www.pgcem.com</a>

January 14-16, 2008: Middle East Petrotech, Manama, Bahrain. Contact: Fax: +704 365 8426; email: info@imexmgt.com

February 5-8, 2008: Global Workshop on High Resolution Digital Soil Sensing & Mapping, Sydney, Australia. Contact: email: <a href="mailto:r.viscarra-rossel@usyd.edu.au">r.viscarra-rossel@usyd.edu.au</a>; website: <a href="mailto:www.digitalsoilmapping.org/2008/DSM2008.html">www.digitalsoilmapping.org/2008/DSM2008.html</a>

February 11-15, 2008: Basic Reservoir Engineering, Kuala Lumpur, Malaysia. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

## **Up Coming Events**

February 11-29, 2008: Exploration and Production Process Basics: Integrating Technology and Business, Kuala Lumpur, Malaysia. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

February 20, 2008: Marine Climate Change: Past and Future, London, UK. Contact: website: www.geolsoc.org.uk/

February 25-March 7, 2008: Applied Reservoir Engineering, Kuala Lumpur, Malaysia. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

March 3-7, 2008: Seismic Imaging of Subsurface Geology, Kuala Lumpur, Malaysia. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

March 3-7, 2008: Basic Petroleum Geology, Kuala Lumpur, Malaysia. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

March 9-12, 2008: The Challenge of Sustainability in the Geoenvironment. Contact: Krishna Reddy (kreddy@uic.edu) or Beth Gross (bgross@geosyntec.com)

March 10-14, 2008: Production Geology for Other Disciplines, Kuala Lumpur, Malaysia. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

March 17-21, 2008: Basic Drilling, Completion and Workover Operations, Kuala Lumpur, Malaysia. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

March 31-April 4, 2008: Basic Geophysics, Miri, Malaysia. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

April 01-04, 2008: The 3<sup>rd</sup> International Conference on Geotechnical & Geophysical Site Characterization, Taipei International Convention Center, Taiwan. Contact: Ms. Zoe Chang, 10F-2, No. 51, Sungjiang Road, Taipei, 104 Taiwan. Tel: +886 2 2504 4338 ext 15; Fax: +886 2 2504 4362; email: zoe329@elitepco.com.tw

April 7-11, 2008: Avo, Inversion and Attributes: Principles and Applications, Kuala Lumpur, Malaysia. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

May 30-June 2, 2008: The 2<sup>nd</sup> International Conference on Geotechnical Engineering for Disaster Mitigation and Rehabilitation (GEDMAR08), Nanjing, China. Contact: Dr. A. Deng, Dr. T. Zhang, GeoHohai,

## **Up Coming Events**

Hohai University, 1 Xikang Road, Nanjing 210098, China. Tel: +86 25 8378 7917; Fax: +86 25 8371 3073; email: <u>GEDMAR08@hhu.edu.cn</u>; web: <u>www.GeoHohai.com/GEDMAR08</u>

May 12-13, 2008: Exploiting Geoscience Collections. A joint meeting between the Geoscience Information Group and the Geological Curators Group. Contact: Jeremy Giles, National Geoscience Data Centre, British Geological Survey, Keyworth, Nottingham NG12 5GG, UK. Tel: +44 (0) 1159363220; email: <a href="mailto:jrag@bgs.ac.uk">jrag@bgs.ac.uk</a>

May 30-June 2, 2008: 1st International Conference on Long Time Effects and Seepage Behavior of Dams (LTESBD08), Hohai University, Nanjing, China. Contact: Dr. Domenico Gallipoli, Tel: 44 141 330 3927 (direct); 44 141 330 4077 (secret); Fax: 44 141 330 4557; email: <a href="mailto:Gallipoli@civil.gla.ac.uk">Gallipoli@civil.gla.ac.uk</a>; website: <a href="http://LTESBD08.hhu.edu.cn">http://LTESBD08.hhu.edu.cn</a>

June 9-13, 2008: Mapping Subsurface Structures, London, U.K. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

June 16-20, 2008: Structural Styles in Petroleum Exploration, London, U.K. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

June 30-July 4, 2008: 10<sup>th</sup> International Symposium on Landslides & Engineered Slopes, Xi'an, China. Contact: website: <a href="https://www.landslide.iwhr.com">www.landslide.iwhr.com</a>

July 7-11, 2008: Operations Geology, Kuala Lumpur, Malaysia. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

July 14-18, 2008: Basic Petroleum Engineering Practices, Kuala Lumpur, Malaysia. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

July 21-25, 2008: Introduction to Seismic Stratigraphy: A Basin Scale Regional Exploration Workshop, Kuala Lumpur, Malaysia. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

July 21-25, 2008: Sandstone Reservoirs, Kuala Lumpur, Malaysia. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

August 4-8, 2008: Well Log Interpretation, Kuala Lumpur, Malaysia. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

August 5-14, 2008: 33<sup>rd</sup> International Geological Congress (IGC), Lillestrom, Oslo, Norway, on behalf of five Nordic countries (Norden) – Denmark (including the Faeroe Islands and Greenland), Finland, Iceland, Norway and Sweden. Website: <a href="https://www.33igc.org">www.33igc.org</a>

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August 25-28, 2008: Carbonate Petrophysics, Kuala Lumpur, Malaysia. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

September 1-4, 2008: XIIIth IWRA World Water Congress, Montpellier, France. Contact: email: <a href="https://www.2008.msem.univ-montp2.fr">www.2008.msem.univ-montp2.fr</a>; website: wwc2008.msem.univ-montp2

September 3-5, 2008: 2<sup>nd</sup> International Workshop on Geotechnics of Soft Soils: Focus on Ground Improvement. Contact: AMGISS Secretariat, c/o Dept. of Civil Engineering, John Anderson Building, University of Strathclyde, Glasgow G4 0NG, Scotland, UK. Tel: 44 141 548 3277; Fax: 44 141 553 2066, email: <a href="mailto:amgiss@strath.ac.uk">amgiss@strath.ac.uk</a>; web: <a href="mailto:www.iwgss.org/">www.iwgss.org/</a> or <a href="mailto:www.iwgss.org/">www.cc.strath.ac.uk/amgiss/</a>

September 15-19, 2008: Carbonate Reservoirs, London, U.K. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

September 22-26, 2008: Sequence Stratigraphy: An Applied Workshop, London, U.K. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

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October 6-10, 2008: Turbidite Sandstones, London, U.K. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

November 10-14, 2008: Seismic Interpretation, Kuala Lumpur, Malaysia. Contact: Petroskills, P.O. Box 35448, Tulsa, Ok 74153-0448, USA. Tel: +1 918 828 2500; Fax: 918 828 2580; email: <a href="mailto:training@petroskills.com">training@petroskills.com</a>

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#### Kandungan (Contents)

**GSM Council Members (Inside back cover)**No Limits - Ad by Baker Hughes (Inside front cover)

#### CATATAN GEOLOGI (Geological Notes)

Visiting Two Sarawak Mud Volcanoesby Dr Franz Kessler

#### PERTEMUAN PERSATUAN (Meetings of the Society)

228 Gustav Klados - SMART Project

231 AAPG Student Chapter University Malaya - Career Talk "The Path Ahead"

#### BERITA-BERITA PERSATUAN (News of the Society)

236 Council Members Wanted!

236 New Members

236 Current Address Wanted

237 Change of Address

237 New Library Additions

238 Proceedings from Sale

#### BERITA LAIN (Other News)

239 Dr Franz Kessler - Earthquakes : Teach Yourself By Using the Internet

241 Associate Professor Eswaran Padmanabhan -Impact of Spatial Variability on the Classification and Management of Peatlands in Asia

243 Upcoming Events

247 Advertising Order Form

248 GSM Publications



Mr. Gustav Klados



Mr. Ong Hock Kim



Dr Franz Kessler



Assoc. Prof Eswaran Padmanabhan