KEYNOTE SPEAKERS

Prof. Dr Adrian F.L Hyde
Title: Sustainable Ground Engineering

Assoc. Prof. Dr. Johnnie .Ben Edigbe
Title: Trends in Transportation Engineering

INVITED SPEAKERS

Dato’ Prof. Ir. Dr Azmi Hassan, Highway Planning Unit, Ministry of Works Malaysia.
Title: Highway Planning in Malaysia

Prof. Kazuya Yasuhara, Ibaraki University
Title: Geotechnical Technique Compatible for Reduction of Environmental Impact and Natural Disaster

Prof. Kenichi Soga, University of Cambridge.
Title: Slope Monitoring Using Optical Fibre Technology

Prof. Hamid R. Soleymani, University of Alberta
Title: Characterization of Subgrade and Urbound Granular Material for Flexible Pavements: Evolutions and Future Challenges

Dr Che Hassandi Abdullah, Public Works Department, Malaysia
Title: Sustainable Development in Geotechnical Engineering in Public Works Department, Malaysia.

Mr. Zakaria Mohamad, Minreals and Geoscience Department Malaysia (Selangor/Fed. Territory)
Title: Geomorphological Approach to Study the Potential Debris Flow in Hulu Kelang Area.
Title: Geological Perspective of Site Investigation in Malaysia.
DAY 1:

Date : 01st December 2010 (Wednesday)

8.00 am – 9.00 am Arrival and Registration of Participants
Arrival of Invited Guests

OPENING CEREMONY

9.00 am – 9.45 am Arrival of the Vice Chancellor of Universiti Teknologi Malaysia (UTM)
Arrival of the Chief Minister of Sabah
Recital of Doa
Welcoming Speech by the Chairman of Conference
Y.Bhg. Prof. Dr Aminaton Marto
Speech by the Vice Chancellor of UTM
Y.Bhg Dato’ Prof Ir. Dr Zaini bin Ujang
Officating Speech by the Chief Minister of Sabah
Y. Amat Berhormat’ Datuk Musa Haji Aman
Press Conference

9.45 am – 10.30 am Refreshment

KEYNOTE ADDRESS

Venue : Grand Ballroom
Chariperson : Prof. Dato’ Dr Ismail Bakar

10.30 am – 11.10 am Keynote Address I
Prof. Dr Adrian F.L Hyde
Title: Sustainable Ground Engineering

11.10 am – 11.50 am Keynote Address II
Assoc. Prof. Dr. Johnnie .Ben Edigbe
Title: Trends in Transportation Engineering

11.50 am – 12.20 pm Special Invited Paper
Minerals and Geosciences Department Malaysia (Sabah)
Title: The Importance of Geological Input for Land-Use Planning: “Case Study of Ranau Area, Sabah”.

12.30 pm – 2.00 pm LUNCH
DAY 1

Date : 01st December 2010 (Wednesday)

TECHNICAL SESSION 1: GEOTECHNICAL ENGINEERING

Venue : Grand Ballroom
Chariperson : Prof. Dr Khairul Anuar Kassim

2.00 pm – 3.40 pm

INVITED SPEAKER

Prof. Kenichi Soga, University of Cambridge.
Title: Slope Monitoring Using Optical Fibre Technology


ID 130: “The Compaction of Laterite Using Gyratory Compactor”, Nor Hazwani Md. Zain, Universiti Teknologi MARA.


ID 142: “Re-Evaluation of Unit Skin Friction in Instrumented Bored Pile in Kenny Hill Formation”, Ramlee Othman, Public Works Department Malaysia.

Question and Answer

3.40 pm – 3.45 pm

Preparation of Next Technical Session
TECHNICAL SESSION 2: GROUND STABILIZATION

Venue : Room VII
Chairperson : Assoc. Prof. Dr. Nurly Gofar

2.00 pm – 3.40 pm

ID 112: “Design and Development of Large Scale Shear Box for Landfill Liner Interface Testing”, Sumathi Subramaniam, University Malaya.


ID 137: “Strength Characteristics of Clay Soil Stabilized With Mixtures of PFA-Lime and PFA-OPC”, Norazlan Khalid, Universiti Teknologi MARA.

ID 150: “Subgrade Stabilization by Fly and Bottom Ash, Kuantan Clayey Case Study”, Achmad Fauzi, University Malaysia Pahang.

ID 177: “Strength Characteristics of Kaolin mixed with Bottom Ash” Mohammad Ehsan Jorat, Universiti Teknologi Malaysia.

ID 204: “Preliminary Characterization of Natural zeolites by using X-Ray Techniques”, Felix Ling Ngee Leh, Universiti Teknologi Malaysia.

Question and Answer

3.40 pm – 3.45 pm
Preparation of Next Technical Session
TECHNICAL SESSION 3: HIGHWAY ENGINEERING

Venue : Room VIII
Chairperson : Assoc. Prof. Dr Mohd Rosli Hainin

2.00 pm – 3.40 pm

ID 113: “Bus Speed Acceleration and Accelerator Pedal Position Behaviour at Signalised Intersection”, Munzilah Md. Rohani, Universiti Teknologi Tun Hussein Onn Malaysia


ID 134: “Traffic Data Collection and Reduction Technique Using Specially Fabricated Portable Pole and Traffic Analyser Software (POPTAS) for Malaysian Rural and Suburban Highway and Expressway”, Mohd Azahar Awang, Universiti Sains Malaysia

ID 146: “Accident Trends and Accident Prediction Model at Federal Route 50, Malaysia”, Mustakim Fajaruddin, Nagoya Institute of Technology, Japan.

ID 147: “Comparison Study of Maintenance and Rehabilitation Method and Procedure: Case Study for Kuching-Samarahan Road”, Ron Aldrino Chan @ Ron Buking, Universiti Malaysia Sarawak.

ID 183: “Signalling Practices of Drivers on Multilane Highways”, Othman Che Puan, Universiti Teknologi Malaysia

Question and Answer

3.40 pm – 3.45 pm
Preparation of Next Technical Session
TECHNICAL SESSION 4: PAVEMENT ENGINEERING

Venue : Grand Ballroom
Chairperson : Assoc. Prof. Dr Othman Che Puan

3.45 pm – 5.15 pm

INVITED SPEAKER

Prof. Hamid R. Soleymani, University of Alberta
Title: Characterization of Subgrade and Urbound Granular Material for Flexible Pavements: Evolutions and Future Challenges

ID 169: “Stripping Performance Of Tender Mix”, Ekarizan Shaffie, Universiti Teknologi MARA.


ID 143: “Properties of Dutch Twinlay Porous Asphalt Utilizing Local Aggregates”, Noor Halizah Abdullah, Universiti Sains Malaysia.


Question and Answer

5.15 pm – 5.30pm
Refreshment

ID 102: “The Effect of Capillary Barrier on Mitigating Rainfall-Induced Slope Failure”, Bimo Brata Adhitya, Universiti Teknologi Malaysia.


ID 111: “Comparative study of two-dimensional and three-dimensional stability analyses in an irregular soil slope with respect to intercolumn forces”, Nazri Ali, Universiti Teknologi Malaysia.

ID 175: “Finite Element Simulation Analysis of Steel Frame with Concrete Panel Retaining Wall”, Mohammad Ehsan Jorat, Universiti Teknologi Malaysia.

Question and Answer

5.15 pm – 5.30pm
Refreshment
TECHNICAL SESSION 6: GEOTECHNICAL ENGINEERING

Venue : ROOM VIII
Chairperson : Dr Hisham Mohamad

3.45 pm – 5.15 pm

INVITED SPEAKER

Mr. Zakaria Mohamad, Minreals and Geoscience Department Malaysia (Selangor/Fed. Territory)
Title: Geomorphological Approach to Study the Potential Debris Flow in Hulu Kelang Area.


ID 154: “Feasibility Of Lightweight Concrete Piles To Be Utilized for Deep Foundation of Particular Structures on Soft Soils”, Agus Sulaeman, Universiti Tun Hussein Onn Malaysia.


ID 191: “Risk Analysis of Factors Affecting the Safety and Quality in Soil Nailed Structures”, Peyman Behtash, Universiti Teknologi MARA.

Question and Answer

5.15 pm – 5.30pm
Refreshment
## TECHNICAL SESSION 7: GEOTECHNICAL ENGINEERING

**Venue**: Grand Ballroom  
**Chairperson**: Prof. Dr Aminaton Marto  

**8.30 am – 10.00 am**

### INVITED SPEAKER

**Prof. Kazuya Yasuhara**, Ibaraki University  

*Title: Geotechnical Technique Compatible for Reduction of Environmental Impact and Natural Disaster*

- **ID 139**: “Laboratory-Based Remedial Study of A Road Embankment on Peat Soil”, Zaihasra Abu Talib, Universiti Tun Hussein Onn Malaysia.  
- **ID 144**: “Experimental Study on Resilient Modulus of Liquid Silica (SiO2) Stabilized Subgrade Soil”, Ismail Yusof, Universiti Tun Hussein Onn Malaysia.  
- **ID 163**: “Effect of Particle Composition on the Shear Strength Characteristics of Residual Soil at Constant Dry Density”, Norbaya Haji Sidek, Universiti Teknologi MARA.  
- **ID 178**: “Bearing Capacity of Strip Footing on single reinforced sand slope”, Enas B. Altalhe, Universiti Kebangsaan Malaysia.

### Question and Answer

**10.00 am – 10.30 am**

**Refreshment**
8.30 am – 10.00 am

**ID 194:** “Finite Element Analysis of an Anchored Reinforced Earth Wall Under Slope Surcharge”, Md Zahidul Islam, University of Malaya.

**ID 138:** “Numerical and Experimental Analysis of Pullout Test on Square Horizontal Anchor Plates in Sand”, Hamed Niroumand, Universiti Teknologi Malaysia.

**ID 187:** “2D Finite Element Analysis of Bamboo Reinforced Embankment”, Badrul Nizam Ismail, Universiti Teknologi MARA.

**ID 132:** “The Effect of Elevation Model and Rainfall Trend as a Triggering Factor in Landslide”, Fauziah Ahmad, University Sains Malaysia.

**ID 114:** “Backanalysis of Rainfall Induced Landslides by Perisi Model”, S.J. Matlan, Universiti Malaysia Sabah.

**ID 165:** “Mechanical and Hydrolical Effects of A Tree on Slope Stabilization”, Mohammad Ehsan Jorat Universiti Teknologi Malaysia

Question and Answer

10.00 am – 10.30 am

**Refreshment**
TECHNICAL SESSION 9: HIGHWAY ENGINEERING

Venue : Room VIII
Chairperson : Assoc. Prof. Dr. Mohd Rosli Hainin

8.30 am – 10.00 am

INVITED SPEAKER

Dato’ Prof. Ir. Dr Azmi Hassan, Highway Planning Unit, Ministry of Works Malaysia.  
*Title: Highway Planning in Malaysia*


Question and Answer

10.00 am – 10.30 am

Refreshment
## TECHNICAL SESSION 10: ROCK MECHANICS

<table>
<thead>
<tr>
<th>Venue</th>
<th>Grand Ballroom</th>
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<tbody>
<tr>
<td>Chariperson</td>
<td>Dr. P. Rajeev Kumar</td>
</tr>
</tbody>
</table>

**10.30 am – 13.00 pm**

### INVITED SPEAKER

**Mr. Zakaria Mohamad**, Minerals and Geoscience Department Malaysia (Selangor/Fed. Territory)

*Title: Geological Perspective of Site Investigation in Malaysia.*

**ID 170:** “Effect of Moisture Content on the Strength of Weathered Granite In Tropical Climate”, Mohamed Fauzi Md Isa, Universiti Teknologi Malaysia.


**ID 188:** “Potential Alkali Silica Reactivity in Aggregates”, Mohamed Fauzi Md Isa, Universiti Teknologi Malaysia.

**ID 195:** “Underground Structures Under Squeezing Rock Condition- A Rview”, Vahed Ghiasi, University Putra Malaysia.

**ID 140:** “Rippability Assessment of Quartzite in Kenny Hill Formation”, Chan Sook Huei, Public Works Department Malaysia.

### Question and Answer

**13.00 pm – 2.00 pm**

**LUNCH**
ID 103: “Rate Effect and Vane Shear Strength of Sandy Clay”, N.A. Yusoff, Sheffield University.


ID 119: “Evaluation of Migration of Light Nonaqueous Phase Liquid by Image Analysis”, Samira Albati Kamaruddin, Universiti Putra Malaysia.


Question and Answer

13.00 pm – 2.00 pm
LUNCH
Venue: Room VIII
Chairperson: Dr Anil Minhans

10.30 am – 13.00 pm

**ID 136:** “Modified Bitumen with Oil Palm Fruit Ash”, Gatot Rusbintardjo, Universitas Islam Sultan Agung, Semarang, Indonesia.

**ID 166:** “Mix Design of Cold Recycled Mix Using Different Recycled Asphalt Pavement (RAP) Proportion”, R. Razali, Public Works Department, Malaysia.

**ID 167:** “Use of Dynamic Modulus Test to Evaluate Moisture Susceptibility of Asphaltic Concrete Mixtures”, Juraidah Ahmad, Universiti Teknologi MARA.

**ID 181:** “The Effect of Epoxy Bitumen Modification on Hot Mix Asphalt Properties and Rut Resistance”, Dorina Anak Astana, Universiti Teknologi Malaysia.

**ID 196:** “Exploring the Usage of Nanoparticles in Pavement Engineering”, Mohd Ezree Abdullah, Universiti Tun Hussein Onn Malaysia.

**ID 197:** “Vertical Displacement of Underside Shaped Concrete Block Pavement”, Azman Mohamed, Universiti Teknologi Malaysia.

**ID 104:** “Evaluation of Threshold Stress of Subgrades for Highway Formation Based on the Unconfined Cyclic Triaxial Test”, Elsa Eka Putri. Universiti Malaysia Sabah.

Question and Answer

13.00 pm – 2.00 pm

LUNCH
TECHNICAL SESSION 13: GEOTECHNICAL ENGINEERING

Venue : Grand Ballroom  
Chariperson : Dr Hisham Mohamad

2.00 pm – 3.40 pm

INVITED SPEAKER

Dr Che Hassandi Abdullah, Public Works Department, Malaysia  
Title: Sustainable Development in Geotechnical Engineering in Public Works Department, Malaysia.


ID 184: “Effect of Industrial Chemicals on the Shear Strength and Settlement Characteristics of Silty Soil”, P Rajeev Kumar, Universiti Teknologi Malaysia.

ID 185: “To Assessment of Viscosity of Cement-Sodium Silicate Grout with Kaolinite”, Sina Kazemian, University Putra Malaysia.


Question and Answer

3.40 pm – 3.45 pm

Refreshment
| ID 182: “Speed/Density Linearity Shift Resulting from Road Humps”, Ben - Edigbe, J, Universiti Teknologi Malaysia. |
| ID 207: “Transverse Rumble Strips Application in Malaysia”. M.H. Othman, Universiti Teknologi Malaysia. |

**Question and Answer**

3.40 pm – 3.45 pm

**Refreshment**
TECHNICAL SESSION 15: UNDERGROUND EXCAVATIONS

Venue : Room VIII
Chairperson : Mr. Mohd Ezree Abdullah, UTHM

2.00 pm – 3.40 pm

ID 203: “A Short Review of Analytical Methods for Tunnelling In Elastic Ground”, Siti Norafida Jusoh, Universiti Teknologi Malaysia

ID 189: “Assessment of Contiguous Buildings Damage Due to Tunnelling”, Eshagh Namazi, Universiti Teknologi Malaysia.

ID 198: “Using 2D Electrical Imaging to Detect Cavities, Pinnacles and Bedrock at Gunung Keriang, Kedah, Malaysia”, Edy Tonnizam Mohamad, Universiti Teknologi Malaysia.

ID 199: “The Seismic Refraction Survey In Shallow Subsurface Investigation”, Edy Tonnizam Mohamad, Universiti Teknologi Malaysia.


Question and Answer

3.40 pm – 3.45 pm

Refreshment
TECHNICAL SESSION 16: SOFT CLAYS & PROBLEMATIC

Venue : Grand BallRoom
Chairperson : Assoc. Prof. Dr. Nurly Gofar

3.45 pm – 4.45 pm


ID 118: “Field Tests on Natural Clay Deposit Reinforced With Granular Fill Layers”, Ahmet Demir, Cukurova University, Balcali, Adana, Turkey.

ID 141: “Performance of Various Piezometers in Soft Clay in Kandang, Melaka”, Edayu Salleh @ Aman, Public Works Department Malaysia.


Question and Answer
**TECHNICAL SESSION 17: UNDERGROUND EXCAVATIONS**

Venue: Room VII  
Chairperson: Dr P. Rajeev Kumar

**3.45 pm – 4.45 pm**

**ID 157:** “Assessment of Contiguous Buildings Damage Due to Tunnelling”, Eshagh Namazi, Universiti Teknologi Malaysia.

**ID 158:** “Three Dimensional Analysis of Tunnel Face Stability using Upper Bound Theorem in a Two-Layered Soil”, N. Khezri, Universiti Teknologi Malaysia.

**ID 152:** “Numerical Study on the Longitudinal Deformation Profile Considering the Pre-Reinforcement – Experience from Korean Subway Project”, Song Ki Il, Universiti Teknologi MARA.

**ID 108:** “Prediction of Surface Settlement Based on the Analysis of Soil Movement Pattern Around the Tunnels”, Mohsen Hajihassani. Universiti Teknologi Malaysia.

Question and Answer
TECHNICAL SESSION 18: PAVEMENT ENGINEERING

Venue : Room VII
Chairperson : Dr Anil Minhans

3.45 pm – 4.45 pm


ID 128: “Effects of Waste Cooking Oil as A Rejuvenating Agent for Aged Bituminous Pavement”, Halliza Asli, University Malaya.

ID 133: “Engineering Properties of Local Reclaimed Asphalt Pavement Aggregate”, Lillian Gungat, Universiti Malaysia Sabah.


Question and Answer
CLOSING CEREMONY

Venue : Grand BallRoom

4.45 pm – 5.30 pm

4.40 pm  Gathering of Participants
4.45 pm  Panel Discussion (Chairman: Prof. Dr Aminaton Marto)
          “Sustainability in Geotechnical and Transportation Engineering”
5.10 pm  Closing Speech by Deputy Dean (Research & Graduate Studies)
          Faculty of Civil Engineering, Universiti Teknologi Malaysia.
5.15 pm  Recital of Doa
5.20 pm  Group Photography
5.30 pm  Refreshment & Adjourn
## DAY 3

Date : 03rd December 2010 (Friday)

### TECHNICAL VISIT

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>07.45 am</td>
<td>Gather at Sutera Harbour Hotel, Kota Kinabalu</td>
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<tr>
<td>08.00 am</td>
<td>Depart to Kundasang</td>
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<tr>
<td>10.00 am</td>
<td>Arrive at Kundasang Site (Fault Zones)</td>
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<td></td>
<td>: Site 1 – Kundasang Retaining Wall (Lobou-Lobou Fault Zone)</td>
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<td></td>
<td>: Site 2 – SMK Kundasang (Lobou-Lobou Fault Zone)</td>
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<tr>
<td>11.05 am</td>
<td>Depart to Kg. Kibbas</td>
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<tr>
<td>11.20 am</td>
<td>Site 43 – Kg. Kibbas, Ranau (Fault Intersection – Kibbas Fault, Lipasu Fault &amp; Koporingan Fault)</td>
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<tr>
<td>11.30 am</td>
<td>Lunch</td>
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<tr>
<td>12.15 pm</td>
<td>Depart to Ranau</td>
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<tr>
<td>01.00 pm</td>
<td>Site 4 - Matupang, Ranau (Slope Stabilization)</td>
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<tr>
<td>03.00 pm</td>
<td>Depart to Kota Kinabalu</td>
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<tr>
<td>06.00 pm</td>
<td>Arrive in Kota Kinabalu</td>
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* Technical visit not provide meal and limited seat only