



# DEPARTMENT OF GEOTECHNICS AND TRANSPORTATION

The Department of Geotechnics and Transportation has 32 academicians including 5 international lecturers and 12 supporting technical staff. The key field dealt by the department are highways, traffic, transportation, geotechnical engineering and engineering geology. In 2010, the department managed to produce 22 journals and 81 conference papers at international and national levels as listed in the publication section. The department not only focuses on academic channels whereby department staff were also closely involved with several local industries and organisations

through consultancy projects. Consultancy works on highway materials worth about RM110,000 while geotechnics division staff executed more than RM 2,000,000 consultancy works in various geological and geotechnical fields. Those projects involved laboratory and field material testing on slope, rocks, aggregates, bitumen and soil investigation for road construction materials.

The department staff also being an active member in various associations and professional bodies in their respective fields as follows:



Board of Engineers Malaysia	Institution of Engineers, Malaysia
Institute of Quarrying, United Kingdom	Road and Airfield Pavement Technology
Institute of Geology Malaysia	Road Engineering Association of Malaysia
Geological Society of Malaysia	Transportation Science Society of Malaysia
South East Asia Geotechnical Society (SEAGS)	Transportation Research Board (TRB), USA
National Tropical Rock Engineering Research Group (NaTROCK)	International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE)
International Society of Rock Mechanics (ISRM) Malaysia	Institution of Highways and Transportation (MIHT), United Kingdom
International Union of Geological Society (Geological Environment and Management Group)	International Association of Engineering Geologist (IAEG)
Association of Asphalt Paving Technologists (AAPT)	Road Engineering Association of Asia and Australasia (MREAAA)





In 2010, the department staff obtained several academic achievements and the most impressive one was when Assoc. Prof. Dr. Mohd Rosli Hainin won the Second Best Speaker in Malaysia Road Conference 2010 in Kuala Lumpur. Department staff were also contributed to the victory of the FKA students who won the Autodesk Design Competition 2009 Malaysia for first, second and third prizes. Those students were supervised by department staff headed by Prof. Dr. Khairul Anuar Kassim and assisted by the Assoc. Prof. Dr. Osman Che Puan, Ms Dorina Astana and Mr. Mohd Izuddin Md. Ithnan.

The major activity organized by the department in 2010 was the International Conference on Geotechnical and Transportation Engineering - GEOTROPIKA 2010. The conference held in Kota Kinabalu, Sabah was attended by many locals as well as international participants. Besides, the department also managed to conduct four colloquiums

and short courses presented by prominent figures from local and international academicians. Dr. Per Lindh from Sweden was delivered a talk on a topic entitled 'Soil Stabilization & Non-Destructive Test (NDT) in Geotechnical Engineering' while Dr. P. Rajeev Kumar delivered a talk entitled 'Geoenvironmental Engineering - An Emerging Research Area'. Short courses on Highway and Geotechnical Engineering were conducted in December 2010 with Prof. Hamed Soleymani from Canada and Prof. Kenichi Soga from Cambridge University as the speakers. Four expertise from the department were also invited to delivered their talks during the short courses. More than 100 participants from UTM, government and private sectors attended the courses.

The geology division of the department had organized a geology trip on May 2010. The trip involved 100 undergraduate students to Masai, Mersing and Kota Tinggi. They were exposed on the actual geological issues related to the civil engineering works.



## ACTIVITIES OF THE DEPARTMENT

No.	Activities	Date	Venue
1.	Colloquium on "Soil Stabilization & Non-Destructive Test (NDT) in Geotechnical Engineering" by Dr. Per Lindh	25 Feb 2010	Seminar Room, FKA
2.	Geology Trip	May 2010	Masai, Kota Tinggi and Mersing
3.	Colloquium on "Geoenvironmental Engineering - An Emerging Research Area" by Dr. Rajeev Kumar Prasannan Pillai	21 July 2010	Seminar Room, FKA
4.	The 8 <sup>th</sup> International Conference on Geotechnical and Transportation Engineering - GEOTROPIKA2010	01 - 03 Dec 2010	Sutera Harbour, Kota Kinabalu, Sabah
5.	Short Course on "Recent Issues and Development In Highway & Transportation Engineering" by Prof. Dr. Hamed Soleymani	6 Dec 2010	PBL1 Room, FKA
6.	Short Course on "Recent Issues and Development In Geotechnical Engineering" by Prof. Dr. Kenichi Soga	6 Dec 2010	Smart Classroom, FKA

