

Curriculum Vitae

Personal Details

Name : Dr Mohd Ashraf bin Mohamad Ismail
Sex : Male
D.O.B. : 22 August 1981
Marital status : Married

Education Background

Universiti Sains Malaysia

B. Eng. (Hons) Civil Engineering (2004)

Thesis: The study of the effectiveness of the physical model for inlet channel, Muda River scheme.

Gadjah Mada University

M. Eng. Geological Engineering (2006)

Thesis: Integration of geophysical and engineering geological methods for slope characterization and assessment over granitic bedrock area in tropical residual soil

Kyoto University

Doctor of Philosophy (2010)

Thesis: Study on hydrogeological modeling and evaluation of groundwater behaviors in fractured rock mass

Area of

Geotechnical engineering, fractured rock hydrogeology, applied geophysics and numerical simulation/modeling

Specialization

Publication

International Journal

1. Y. Mito, M.A. Mohamad Ismail and T. Yamamoto. Multidimensional scaling-inverse distance weighting transform for image processing of hydrogeological structure in rock mass, *Journal of Hydrology* (under review – July 2010)
2. Y. Mito and M.A. Mohamad Ismail. Characteristics of channeling flow in fractured rock masses: in-situ experiments and numerical modeling, *Journal of Hydrology* (under review – August 2010)
3. Y. Mito and M.A. Mohamad Ismail. Stochastic block theory for the management of underground rock excavations, *International Journal of Rock Mechanics and Mining Sciences* (under review – September 2010)
4. Y. Mito, M.A. Mohamad Ismail and N. Wakabayashi. Effect of grouting on the shear strength of rock joints, *International Journal of Rock Mechanics and Mining Sciences* (under review – October 2010)

International conference

1. M. Ismail, M.A. Ariffin, K. S, and Abustan, I. (2005). The State of the Art on Landslide Research in Malaysia - Incorporating Geophysical Method. *Proceedings Joint Convention Surabaya 2005 – HAGI, IAGI and PERHAPI. The*

30th HAGI, the 34th IAGI, and the 14th PERHAPI Annual Conference and Exhibition.

2. M. Ismail, M.A., Karnawati, D., Aoki, K., Abustan, I., Ariffin, K.A. Mejus, L. and Rahman A.M.T. (2006). Application of 2-D Electrical Resistivity Imaging for Cut Slope Characterization and Assessment Over Granitic Bedrock Area in Tropical Residual Soil - A Case Study on the Cut Slope at Km 50.0, Federal Route 6, Penang, Malaysia. *Proceeding of the 3rd International Symposium of Earth Resources and Geological Engineering Education.*
3. M. Ismail, M.A., Mejus, L., Rahman A.M.T., Abustan, I., Ariffin, K.A. (2006). Application of 2-D Electrical Resistivity Imaging for Cut Slope Characterization and Assessment in Granitic Bedrock Weathering Profile - A Case Study from Malaysia. *Proceeding of International Symposium on Geotechnical Hazards: Prevention, Mitigation and Response*, Utomo, Tohari, Mudorhardono, Sadisun, Sudarsono and Ito (eds), ISBN: 979-8636-13-9., pp. 186-198.
4. M. Ismail, M.A., Abustan, I., Ariffin, K.A., and Salleh, H. (2006). Seismic Refraction Survey for Pre-characterization of the Granitic Cut Slope at Km 50.0, Federal Route 6, Teluk Bahang, Penang, Malaysia. *Proceeding of the 2nd Field Wise Seminar in Geological Engineering, Vientiane, Laos DPR.*
5. Abustan, I., Tolooiyan, A., M. Ismail, M.A., and Choong W.K. (2006). Geosynthetic Reinforcing of Irrigation Canal Embankment. *Proceeding of the 2nd Field Wise Seminar in Geological Engineering, Vientiane, Laos DPR.*
6. Ariffin, K.A., Shahrul, S., Abustan, I., and M. Ismail, M.A. (2006). Hydro-geophysical Streaming Potential (SP) Survey associated with Bio-ecological Drainage System (BIOECODS) at the Universiti Sains Malaysia (USM) Engineering Campus. *Proceeding of the 2nd Field Wise Seminar in Geological Engineering, Vientiane, Laos DPR.*
7. Mohd Remy Rozainy. M.A.Z., I. Abustan, Abdullah. M.Z. and Mohd Ashraf. M.I. (2008) Application of Computational Fluid Dynamics (CFD) in Physical Model of Pump Sump to Predict the Flow Characteristics. *Proceeding of International Conference on Construction and Building Technology.*
8. Mohd. Remy Rozainy M. A. Z., Ismail Abustan, Abdullah. M. Z., Mohd. Ashraf M. I., Choong W.K., (2008) Modeling of Flow Characteristics in a Pump Sump Physical Model at 4l/s, 10l/s and 15l/s, *International Seminar on Civil and Infrastructure Engineering (ISCIE08)*, Shah Alam, Malaysia.
9. M.A. Mohamad Ismail, C.S. Chang, Y. Mito and K. Aoki (2008) A Numerical Approach for the Analysis of Hydro-mechanical Coupling Simulation on the Excavation of Underground LPG Storage Rock Caverns. *Proceeding of the 1st Regional Workshop on Geological and Geo-resources engineering research in ASEAN*
10. K. Aoki, Y. Mito, S. Horibe and M.A. Mohamad Ismail (2008) Quantitative Prediction of the Effect of Grout Injection in Fractured Rock Mass (In Japanese). *Proceeding of The 12th Japan Symposium on Rock Mechanics & The 29th Western Japan Symposium on Rock Engineering*
11. K. Aoki, M.A. Mohamad Ismail, H. Uno, C.S. Chang, T. Maejima and Y. Nakamura (2010) Hydraulic Behaviors Characterization for the Design of Unlined Underground LPG Storage Cavern in Fractured Rock Mass. *Proceeding of The European Rock Mechanics Symposium (EUROCK 2010)*