

Geotechnical Engineering Program at AIT

Dr. Za-Chieh Moh joined AIT in 1965 and started the Soil Engineering Field of Study. This field then expanded as the Geotechnical Engineering Program for which the first Chairman was **Dr. Za-Chieh Moh**. **Drs. Edward W. Brand** and **Dr. John D. Nelson** joined the program in late sixties and **Dr. Za-Chieh Moh**, **Dr. Edward W. Brand** and **Dr. John D. Nelson** formed a powerful Trio which put the Geotech Program at AIT well in the International Scene.

Over the years, the following distinguished professors chaired the Programmes were **Dr. Za-Chieh Moh** (1965-1973), **Dr. Edward W. Brand** (1977-1978), **Prof. John Hugh Jones** (1978-1981), **Prof. A.S. Balasubramaniam** (1981-1985), **Prof. Prinya Nutalaya** (1985-1989), **Dr. Y. Honjo** (1989-1993), **Prof. A.S. Balasubramaniam** (1993-2000). The Programme is fortunate to have had the following faculty: **Z.C. Moh** (1965-1977), **E.W. Brand** (1969-1978), **J.D. Nelson** (1969-1975), **A.M. Richardson** (1973-1975), **A. Kazi** (1973-1974), **R.P. Brenner** (1973-1980), **A.S. Balasubramaniam** (1973-todate), **P. Nutalaya** (1975-2000), **Soren Holmberg** (1977-1980), **T. Onodera** (1977-1979), **T. Akagi** (1978-1980), **H. Ohta** (1980-1982), **V. Campbell** (1978-1980), **Yudhbir** (1980-1982), **F. Prinzl** (1980-1982), the late **Tomilo** (1979-1980), **D.T. Bergado** (1982-todate), **Y. Yamada** (1982-1984), **S. Chandra** (1982-1984), **G. Rantucci** (1982-1988), **J. Premchitt**, **I. Towhata** (1984-1986), **J. Kuwano** (1986-1988), **Y. Honjo** (1988-1993), **Noppadol Phienwej** (1987-todate), **T.H. Seah** (1991-todate), **B. Indraratna** (1988-1990), **R.J. Whiteley** (1984-1986), **S.A. Ashford** (1994-1996), **M. Sugimoto** (1993-1995), **S. Shibuya** (1996-1998), **Y. Kogo** (1995-1997), **H. Ohtsu** (1988-1999), **D.G. Lin** (1997-2000), **K. Miura** (1999-2001). The current programme coordinator is **Prof. D.T. Bergado**.

A number of conferences and short course were arranged by AIT and the Southeast Asian Geotechnical Society as follows:

- ❖ Fifth Southeast Asian Conference and International Symposium on Soft Clay
- ❖ Engineering for Protection from Natural Disasters
- ❖ Geotechnical Aspects of Highway Engineering
- ❖ Problems and Practice of Dam Engineering
- ❖ Coastal and Offshore Structures
- ❖ Ground Improvements
- ❖ Laboratory and Field Tests and Analysis of Geotechnical Problems
- ❖ Mass and Material Transportation
- ❖ Environmental Geotechnics and Problematic Soils and Rocks
- ❖ Computer Aided Design and Physical Modelling Using Centrifuge
- ❖ 9th Southeast Asian Geotechnical Conference
- ❖ Restoration and Maintenance of Infrastructures and Historical Monuments
- ❖ Developments in Laboratory and Field Tests in Geotechnical Engineering Practice
- ❖ Embankments, Excavations and Buried Structures
- ❖ Ninth Asian Regional Conference on Soil Mechanics and Foundation Engineering

- ❖ Symposium on Prediction Versus Performance
- ❖ Computer Aided Designs in Geotechnical Engineering
- ❖ Ground Improvements Techniques
- ❖ Evaluation of Design Parameters from Laboratory Tests
- ❖ Developments in Geotechnical Engineering (Harvard to New Delhi)
- ❖ Slope Failures and Their Remedial Measures
- ❖ Geotextiles, Geomembranes and other Geosynthetics in Ground Improvement
- ❖ Deep Foundation and Ground Improvement Schemes
- ❖ Geotechnical Aspects of Earthquake Engineering, Pile Dynamics & Machine Foundation
- ❖ Behavior of Soft & Hard Rocks and Unsaturated and Residual Soils in Design and Construction
- ❖ Natural Hazards and Environmental Geotechniques
- ❖ Numerical Analysis in Geotechnical Engineering
- ❖ Design Parameters for Soils and Rocks From Lab & In-Situ Tests
- ❖ Problematic Soils and Ground Improvement Techniques
- ❖ Deformation and Displacements of Structures - Soil & Rock Structure Interaction

Over a few hundred world renowned speakers in Geotechnical Engineering have visited Thailand and Bangkok and lectured in the Programs. Some of them are N. Flodin, B.B. Broms, O. Eide, A. Anderson, E. Dibiagio, C.P. Wroth, R.H.G. Parry, E.W. Brand, S. Hansbo, W.G. Clough, B. Schmidt, J.M. Duncan, H.G. Poulos, T. Shibata, G. Pilot, M. Fukuoka, A. Nakase, S. Ohya, H. Mori, T. Akagi, R.P. Brenner, P. Londe, W. Wittke, J.B. Cook, V.F.B. de Mello, H.B. Seed, P. Sembenelli, K. Fugita, R. Casinader, H.K. Idel, S.K. Kim, J. Golser, G. Mayer, H. Ohta, R. Muller, A. Tomiolo, B. McClelland, P.W. Rowe, S. Littlejohn, H. Kishida, John Focht, Jr., R. Massarsch, H. Aboshi, E. Lackner, T. Yamanouchi, F. Schlosser, W.H. Ting, Z.C. Moh, M. Wallays, Kutzner, R.K. Jewell, P. Demonsablon, C.R. Lawson, F. Lizzi, A. Agha, J.K. Mitchell, I. Juran, J. Petley, K. Ishihara, D.M. Wood, M.R. Randolph, Yudhbir, C.T. Toh, N. Miura, C.S. Desai, G. Mesri, M. Maugeri, T. Kimura, S. Sakurai, H. Einstein, R.A. Frank, J.M. Hughes, W. Tang, A.M. Hasofer, J.R. Booker, L.J. Endicott, P. Duffaunt, C.D. Ou, J.B. Cox, S. Amar, A. Holeyman, S.L. Lee, V. Chao, G.P. Karunaratna, I. Towhata, G.E. Bauer, B. McMohan, Y. Honjo, M.R. Madhav, H.B. Poorooshab, T. Adachi, N. Moroto, B. Gilg, M. Guillaud, Gambin, B. Berggren, S. Sirashi, Y. Watari, A.N. Schofield, M. Bolton, G. Sanglaret, P.T. Brown, G. Ranjan, G. Ramaswamy, S.F. Chan, M. Jamiolkowski, A.A. Beattie, L.J.S. Attwell, P.J. Moore, S.B. Tan, K. Engelhardt, K. Kirsch, T.W. Lambe, Chin Fung Kee, S.L. Tan, K. Konoike, K. Ono, P. Anagnosti, G. Wiseman, T.F. Onodera, M.F. Chang, K.Y. Yong, G. Calabresi, H. Hanzawa, A. Sridharan, H. Brandl, B. Ladanyi, C. Viggiani, W.M. Kirkpatrick, P.D. Long, T.A. Ooi, Y.K. Chow, S. Shibata, R.Y.P. Chin, J.N. Shirlaw, T.H.L. Oliver, M.F. Stocker, S.W. Woo, J.S. Younger, S. Shibuya, F. Tatsuoka, A. Komornik, T. Amirsoleymani, S. Prakash, I.B. Donald, T. Matsui, H.V.P. Truong, S.K. Gulhati, T. Hosoi, T. Ishii, H. Tanaka, S.D. Ramaswamy, H. Koponen, C. Savvidou, N.T. Tien, A. Asaoka, X.Y. Hou, P. Lareal, K. Othman, P. Rimoldi, T.H. Hanna, N.R. Morgenstern, J.C. Li, A.M.M. Saffiullah, J.B. Messay, N.N. Som, Y. Yoshimi, S. Soelarnosidji, S. Holmberg, T. Watanabe, E. Mikuni, M. Sawaguchi, R. Chowdhury, A.N.L. Chiu, M. Wyss, W. Wattanabe, S. Marchini, Richard Kulesza, Alan Meigh, A.D.M. Penman, F. Robotti, H.R. Egger, T.F. Herbst, N. Tausch, H. Sasaki, K. Yano, R.K. Bhandari,

Miki, G. Besancon, W. Wewerka, H. Thurner, N.V. Nayak, K. Yashuhara, S. Hayashi, I.H. Wong, Ramamurthy, G. Lefebvre, C. Galateri, K.R. Datye, J.R.A. Gammon, N.A. Trenter, M.J. Knight, R.K. Katti, P. Hjorth, J.B. Rutherford, H.U. Werner, K. Shimuzu, L.D. Fuglsang, Y. Okita, S. Pietruszczak, J.H.A. Crooks, T. Inoue, S. Buttlng, M. Kamon, A.K. Parkin, A. Onoue, Loke Kean, T.G. Davies, S. Valliappan, M.A. Coulthard, K. Hotta, P. Habib, D. Mohan, W.F. Chan, D. Shields, J.M. Shen, R. Harianto, J.M. Roccholz, I. Peggs, A. Comer, D. Cazzuffi, B. Neal, K. Arai, M. Cadwallader, N. Fukuda, G. Werner, J. Mlynarek, D. Sandri, A. Cancelli, K. Inoue, M.J. Pender, G. Goble, Susumu Yasuda, Takeji Kokusho, B. Cook, R.K. Rowe, T.L. Youd, Dr. J. West, Mr. P. Rasch, T.L. Chee, R.B.J. Brinkgreve, P. Brand, R. Chandler, K. Jeyatheran, M.S.A. Siddiquee, Paul W. Mayne, Don DeGroot, Hiromasa Shima, N. Sugawara, Noppadol Phien-wej, T.H. Seah, Loren R. Anderson, Donald A. Bruce, D.T. Bergado, Shouhei Chida, Fred H. Kulhawy, Robert Mair, Mitsutaka Sugimoto, Kenji Sekiya, T. Kawabata, Woo Siu Mun, Richard Hwang, L.A. Wood, V.M. Sharma, Wanchai Teparaksa, Junichi Ueno etc.

The Programme will continue to meet the challenges ahead and will flourish under the leadership of Prof. D.T. Bergado, Dr. Noppadol Phienwej, Dr. T.H. Seah and the future leaders.

