

CURRICULUM VITAE

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Academic Qualifications:

Doctor of Philosophy (Geotechnical Engineering), By Research

National University of Singapore, Singapore

January 2001 to November 2004.

Master of Engineering (Geotechnical Engineering), By Research

National University of Singapore, Singapore

December 1997 to December 1999.

Master of Engineering (Soil Mechanics and Foundation Engineering),

First Class with Distinction

Anna University, Chennai, India.

August 1995 to February 1997.

Bachelor of Engineering (Civil Engineering)

First Class with Distinction

Madurai Kamaraj University, India.

August 1991 to May 1995.

Academic Awards / Honors / Scholarships:

- ❖ Awarded An **ASTM International C. A Hogentogler Award 2007**, by **American Society for Testing and Materials (ASTM)** - *This award is presented to the author of an ASTM paper of outstanding merit on soil or rock. It recognizes meritorious effort and it is the most prestigious technical award given by ASTM Committee D18.*
- ❖ Awarded **Post-Doctoral Research Fellowship** from the National University of Singapore from April 2007 to still

- ❖ Awarded **Post-Doctoral Research Fellowship** from the University of Strathclyde, Glasgow, United Kingdom during February 2005 to October 2005.
- ❖ Awarded **Research Scholarship** from the National University of Singapore during December 1997 - December 1999.
- ❖ Secured **Fourth Rank** in Anna University in Master of Engineering (Soil Mechanics and Foundation Engineering) in 1997.
- ❖ Awarded the **Best out-going student** of the college in the Year 1995 - *The K.R.M.P Muthiah Chettiar – Alamelu Achi Memorial Medal for my academic excellence during Bachelor of Engineering.*
- ❖ Secured **Fifth Rank** at University Level during Bachelor of Engineering (Civil) in 1995.
- ❖ Secured **Second Rank** in the college during Bachelor of Engineering (Civil) in the year 1995.

Area of Research Interest

- ❖ Unsaturated Seepage and Slope Stability Analysis
- ❖ Soil Stabilization and Ground Improvement; Land Fill
- ❖ Soil Properties and Behavior
- ❖ Seabed Soil and Site Characterization
- ❖ Mining Engineering

Professional Experience:

April 2007 to Still	<p>Research Fellow (Scale A) Department of Civil Engineering, National University of Singapore. <i>Research Project: “Study on the effects and impacts of Global Climate Change on Singapore (Slope Stability)”.</i></p>
	<p>Responsibilities:</p> <ul style="list-style-type: none"> ❖ Funded by the Singapore's National Environmental Agency (NEA). This project is in conjunction with Singapore's participation in the United Nations Framework Convention on Climate Change (UNFCCC). ❖ Finite Element modeling (using the SEEP/W and VADOSE/W finite element code) of Impact of climatic change events. ❖ Identity the climatic triggers that have lead to landslide events in

	<p>Singapore.</p> <ul style="list-style-type: none"> ❖ Improve robustness of infrastructure designs to avoid future slope instabilities. ❖ Providing assistance and guidance to undergraduate/ graduate student projects in NUS.
January 2006 to March 2007	<p>Visiting Research Fellow Department of Civil Engineering, National University of Singapore, Singapore</p> <p>Research Fellow Bayan International Pte Ltd, Singapore</p> <p><i>Research Project:</i> “Exploitation of Coal from the Mine Site and Quality Improvements”.</p> <hr/> <p>Responsibilities:</p> <ul style="list-style-type: none"> ❖ Funded by Bayan International Pte Ltd, Singapore and Co-supported by the Singapore Economic Development Board Under the Innovation Development Scheme (IDS). ❖ Experienced in managing R&D projects, manpower planning, and strategize the R&D funds. ❖ Preparing the Innovative Development Scheme (IDS) research proposal for R&D projects with Government Authorities. ❖ Prepared the research proposal for establishment and development of Minerals, Metals and Materials Technology Centre in Faculty of Engineering, NUS. ❖ Experienced in planning and scheduling the research works. ❖ Developing the new dewatering technologies for coal quality improvement. ❖ Experimental Evaluation on characteristics of coal samples. ❖ Working with a large group of researchers of widely varying background from the academia, industry and government agencies for coordinating research projects. ❖ Providing assistance and guidance to undergraduate/ graduate student projects in NUS.
October 2005 to December 2005	<p>Visiting Scholar Department of Civil Engineering, National University of Singapore, Singapore.</p>

	<p>Responsibilities:</p> <ul style="list-style-type: none"> ❖ Prepared the research proposal for R&D projects with Government Authorities. ❖ Conducted the field investigation for in-situ evaluation of landfill gas and soil pollutants in the marine clay deposit in the Kallang River Crossing. ❖ Collected the soil samples and water sampling in the marine clay using the BAT Sampler for laboratory chemical tests. ❖ Electro-Osmotic Consolidation of Marine Clays. ❖ Examines the performance of different types of EVDs in Soft Soils. ❖ Worked with deep excavation & site investigation contractors for coordinating research projects in field tests. ❖ Provided assistance and guidance to post graduate student projects.
<p>February 2005 to September 2005</p>	<p>Post-Doctoral Research Fellow Department of Civil Engineering, University of Strathclyde, Glasgow, Scotland, United Kingdom. <i>Research Project: "Geotechnical Instability of Flood Defense Embankments."</i></p> <p>Responsibilities:</p> <ul style="list-style-type: none"> ❖ Sponsored by the Engineering and Physical Sciences Research Council (EPSRC) and Flood Risk Management Research Consortium (FRMRC). ❖ Funding: GBP£150,000/- for instrumentation and research. ❖ Experienced in managing projects, planning and scheduling the research works. ❖ To improve understanding of geotechnical failure modes on the flood defense embankments and how to identify them in field. ❖ Research on the behavior of interfaces between geotechnical engineering and the hydraulic performance of flood defence embankments in terms of fine fissuring of clay fills. ❖ Worked with a large group of researchers of widely varying background from the academia, industry and government agencies for coordinating research projects.

	<ul style="list-style-type: none"> ❖ Provided assistance and guidance to undergraduate and post graduate student projects.
<p>January 2000 to December 2004</p>	<p>Research Engineer Department of Civil Engineering, National University of Singapore, Singapore. <i>Research Project:</i> “Optimization of the use of waste soils from Construction for land reclamation”</p>
	<p>Responsibilities:</p>
	<ul style="list-style-type: none"> ❖ Sponsored by the Government of Singapore through A*STAR (Agency for Science, Technology and Research). ❖ Funding: S\$1.38 Million from A*STAR and More than S\$ 4.0 Million for instrumentation from HDB. ❖ Experienced in managing projects, planning and scheduling the research works. ❖ Site characterization of the seabed soil. ❖ Dealing with a huge land reclamation project using dredged clay lumps. ❖ Conducted the field pilot tests for in-situ evaluation of initial and ultimate state of lumpy fill. ❖ Experimental behavior of lumpy fills. ❖ Conducted the Centrifuge model tests on the behavior of lumpy fills. ❖ Calibration of Radioisotope (RI) Cone Penetrometer for Singapore clays. ❖ Experimental Evaluation and development of numerical model for the Nuclear-Density Cone Penetrometer to interpreting density profiles for highly heterogeneous lumpy fill sites. ❖ Developed new site-investigation tool – a Single Probe Nuclear-Density Cone Penetrometer to measure the wet density of soil. ❖ Worked with a large group of researchers of widely varying background from the academia, industry and government agencies for coordinating research projects in field and laboratory tests. ❖ Provided assistance and guidance to undergraduate and post

	graduate student projects.
December 1997 to December 1999	<p>Research Scholar Department of Civil Engineering, National University of Singapore, Singapore. <i>Research Project: Unsaturated Seepage and Slope Stability Analysis.</i></p> <p>Responsibilities:</p> <ul style="list-style-type: none"> ❖ Worked on the problem of oscillations in numerical analysis of seepage through unsaturated soils. ❖ Illustrate and clarify the criteria for eliminating numerical oscillation in finite element analysis. ❖ Study the effect of numerical oscillation while modeling infiltration of water into unsaturated soils and its effect on slope stability analysis. ❖ Review on the unsaturated soil property functions such as soil-water characteristic curve and permeability functions and its effect on seepage and slope stability functions.

Background in Geotechnical Engineering

- ❖ Geotechnical Engineering; Subsurface Investigation and Instrumentation;
- ❖ Soil Properties and Behavior; Ground Improvement;
- ❖ Earth Retaining Structures; Pavement Engineering; Slope Engineering;
- ❖ Pile Foundations; Foundation Engineering; Dynamics of Soils and Foundations;
- ❖ Mining Engineering

Proficiency in Computers

Application Software : Softwares for Word & Excel processing, Plotting, Grapher; Surfer, Technical drawing, AutoCAD, Microsoft Origin and MATLAB.

Professional Software : VADOSE/W, SLOPE/W, SEEP/W, PLAXIS, SAGE CRISP.

Funding Proposal:

- ❖ Key member in the preparing the research proposal for the establishment and development of **Minerals, Metals and Materials Technology Centre (M3TC)**

in Faculty of Engineering, National University of Singapore in the year 2007 along with Prof. Arun S. Mujumdar, Vice Dean (Research), Faculty of Engineering, Prof. Koh C.G., Prof. Quek Ser Tong, and Dr. Chew Soon Hoe. The total estimated cost for operation of this centre is about S\$20 million. Of this, direct funding of S\$13.2million is provided by the Singapore Economic Development Board.

- ❖ Prepared the research proposal along other team members Prof. Arun S. Mujumdar, and Dr. Chew Soon Hoe for the research funding of S\$2.5million from Singapore Economical Development Board under **Innovative Development Scheme (IDS)** for joint R&D on develop a coal dewatering technology between Bayan International Pte Ltd and National University of Singapore.

Membership:

- ❖ **Member and Environmental Partner** (Number: 32470) of the Chartered Institution of Water and Environmental Management (CIWEM), London, United Kingdom.
- ❖ **Member** of Geotechnical Society of Singapore, Membership No. GeoSS077/08) Singapore.

Professional Activities

- ❖ **Reviewer** of Technical Papers for Water Resources Research (WRR) Journal.
- ❖ **Management Committee Member (Year 2006-2007)** - for the establishment and development of Minerals, Metals and Materials Technology Centre (M3TC) in Faculty of Engineering, National University of Singapore.
- ❖ **Editorial Reviewer** - Technical paper for the Second International Workshop on Characterization and Engineering Properties of Natural Soils, organized by Centre for Soft Ground Engineering, National University of Singapore, Singapore, on 29 November 2006 - 01 December 2006.
- ❖ **Editorial Reviewer** – Technical Paper for the Workshop on Underground Singapore 2007 and Special Session on Baseline reporting, (UGS 2007) 29-30 November 2007, Jointly organized by National University of Singapore (NUS), Nanyang Technological University (NTU) and Tunneling and Underground Construction Society of Singapore (TUCSS).

Students Project Guidance:

- ❖ PhD Students: 1 nos.
- ❖ M.Eng Research Projects: 3 nos.
- ❖ Undergraduate Final Year Projects: 11 nos.

List of Publications:

In Journals: (Published or Under Review)

1. **Karthikeyan, M.**, Tan, T.S. and Phoon, K.K. (2001) Numerical oscillation in seepage analysis of unsaturated soils, Canadian Geotechnical Journal, Vol. 38, No. 3, pp. 639-651.
2. **Karthikeyan, M.**, Dasari, G.R., and Tan T.S., (2004). In situ characterization of land reclaimed using big clay lumps, Canadian Geotechnical Journal, Vol. 41, No. 2, pp. 242-256.
3. Dasari, G.R., **Karthikeyan, M.**, Tan T. S., Mimura, M. and Phoon, K. K. (2006). In-Situ Evaluation of Radio-Isotope Cone Penetrometers in Clays, Geotechnical Testing Journal, American Society of Testing Materials, Vol. 29, No. 1, pp.45-53.
4. **Karthikeyan, M.**, Tan T.S., Mimura, M., Yoshimura, M. and Tee C.P. (2007). Improvements in Nuclear-Density Cone Penetrometer for Non-Homogeneous Soils, Soil and Foundations, Journal of Japanese Geotechnical Society, Vol. 47, No. 1, pp. 109-117.
5. **Karthikeyan, M.**, Kuma, J.V.M., Chew, S.H., and David Low, N.Y. (2007). Factors affecting quality of dewatered low rank coals. International Journal of Drying Technology, Vol. 25, No. 10, pp.1601-1611.
6. **Karthikeyan, M.** and Tan, T.S (2008). Profiling of Heterogeneous Soil Using Nuclear-Density Cone Penetrometer. Geotechnical Testing Journal, American Society of Testing Materials, Vol.31, No. 6, (In Print).
7. **Karthikeyan, M.** (2008). Minimization of Moisture Re-absorption of dried coal Samples. International Journal of Drying Technology, Vol. 26, No.7, pp.
8. Tan, T.S. and **Karthikeyan, M.** (2008). In-situ characterization of initial state of Land reclaimed using big clay lumps. (Under Preparation).
9. **Karthikeyan, M.** and Mujumdar, A.S. (2008). Coal Drying Technologies- Current Status and New Developments. (Under Preparation).
10. **Karthikeyan, M.** Phoon, KK and Toll, D.G. (2008). Rainfall thresholds for landslides in Singapore. (Under Preparation).

In International Conference Proceedings

11. **Karthikeyan, M**, G-R Dasari, T-S Tan, P-W Lam, Y-H Loh, J Wei and M. Mimura (2001). Characterization of a reclaimed land site in Singapore, Proceedings of 3rd international conference on Soft Soil Engineering, Hong Kong, 6 – 8 December 2001, pp. 587-592.
12. **Karthikeyan, M**, T. S. Tan, G. R. Dasari, K. K. Phoon, G. B. Tan, C. P. Tee & P.W. Lam (2003) Evaluation of In-Situ State of Lumpy Fill in Land Reclamation, Proceedings of 6th International Symposium on Field Measurements in Geo Mechanics, Norway, 15 – 18 September 2003, pp. 155-160.
13. Tan T. S, **Karthikeyan, M.**, Phoon K. K., Dasari, G.R & Mimura, M (2004) Use of a Radioisotope Cone to characterize a lumpy fill, Proceedings of the Second International Conference on Geotechnical and Geophysical Site Characterization, ISC-2, Porto- Portugal. 19 – 22 September 2004. Vol. 1, pp. 801 – 808.
14. **Karthikeyan, M.**, T.S. Tan, W.S. Chia and C.P.Tee (2007). Use of Dredged Clay Lumps as Fill Materials for Land Reclamation, Proceedings of the Second International Maritime-Port Technology and Development Conference, MTEC 2007, Singapore, 26 -28 September 2007, pp.640-646.
15. **Karthikeyan, M**, Kuma, J.V.M., Chew, S.H. (2007). Upgrading of Low Rank Coals. Proceedings of the 12th International Energy Conference and Exhibition (Energex-2007), 26-30 November 2007, Singapore, pp.1-5.
16. Toll, D.G., Phoon, K.K, Cheng, Y.G and **Karthikeyan, M.** (2007). The Effect of Climate on Landslides in Singapore. Proceedings of Expert Symposium on Climate Change; Modeling, Impacts, and Adaptation's and workshop on climate change and slope stability, edited by Liong et al. National University of Singapore, 17-19 Dec 2007; pp.149-156.
17. Tan T.S., **Karthikeyan, M.** and Loh Y. H. (2008). Beneficial Use of Dredged Sediments. Proceedings of International Symposium on Sediment Management (I2SM), Lille, France, 9 -11th July 2008. (Paper accepted).
18. **Karthikeyan, M.**, Toll, D.G. and Phoon KK. (2008). Prediction of Changes in Pore-water pressure response due to rainfall events. Proceedings of the 1st European Conference on Unsaturated Soils, 2-4th July 2008, Durham, United Kingdom.
19. Toll, D.G., Mendes, J., Augarde, C.E., **Karthikeyan, M.**, Phoon, K.K., Gallipoli, D., and Lin, K.Q. (2008). Effects of climate change on slopes for Transportation

infrastructure. Proceedings of the 1st International Conference on Transportation Geotechnics, 25-27 August 2008, Nottingham, United Kingdom.

20. **Karthikeyan, M.** Kuma, J.V.M. and Mujumdar, A.S. (2008). Experimental investigation on minimization of moisture reabsorption in dried coal. Proceedings of the 16th International Drying Symposium, November 2008, Mumbai, India.

In Regional Conference Proceedings

21. **Karthikeyan, M.** Kuma, J.V.M., Chew, S.H., and David Low, N.Y. (2007). Factors affecting quality of dried low rank coals. Proceedings of the 5th Asia-Pacific Drying Conference (ADC-07), 13-15 August 2007, Hong Kong, Vol. 2, pp.663-668.
22. **Karthikeyan, M.** G-R Dasari, T-S Tan, P-W Lam, Y-H Loh, and J Wei (2002) In-situ characterization of a reclaimed land constructed using clay lumps, Proceedings of IES Conference on Case Studies in Geotechnical Engineering, Singapore, 4 -5 July 2002, pp. 104 - 116.
23. **Karthikeyan, M.** G-R Dasari, T-S Tan, P-W Lam, Y-H Loh, and J. Wei (2002) Calibration of radioisotope cone penetrometers in Singapore marine clays, Proceedings of IES Conference on Case Studies in Geotechnical Engineering, Singapore, 4 -5 July 2002, pp. 45-53.
24. **Karthikeyan, M.**, Tan TS, Phoon KK (2001). Evaluation of soil hydraulic properties and its effect on unsaturated seepage and slope stability analysis. Proceedings of the 14th Southeast Asian Geotechnical conference, Hong Kong, 10-14 December 2001, Vol. 1, pp. 801-806.
25. Mimura, M., TS. Tan, G. R. Dasari, **M. Karthikeyan** (2001). Evaluation of geotechnical properties of reclaimed land using RI Cone. Proceedings of the 36th Japan National Conference on Geotechnical Engineering, Tokushima, Japan, 12 -14 June 2001, Vol. 1, pp. 133 – 134.(in Japanese).
26. **Karthikeyan, M.** and K.Premalatha, (1997), “Effect of industrial effluents on the engineering behavior of soils”, Proceedings of the Second Indian Institute of Science-National Seminar on Geotechnical Engineering, Bangalore, India, 24 - 25 July 1997, pp. 88 – 89.

Theses / Technical Reports

27. Phoon, K.K., Toll, D.G. and **Karthikeyan, M.** (2007). Climate Triggers for Landslides in Singapore, Technical Report prepared for National Environmental Agency (NEA) of Singapore. 54p.

28. **Karthikeyan, M.** (2006). Feasibility Study on Development of Coal Dewatering Technology, Research Report Prepared for the Singapore Economic Development Board, Singapore 105p.
29. **Karthikeyan, M.** (2005). Geotechnical Stability of Flood Defense Embankment. Report Prepared for the Flood Risk Management Research Consortium (FRMRC) and Engineering and Physical Sciences Research Council (EPSRC), United Kingdom.
30. Tan T. S. and **Karthikeyan, M.** (2005). "Optimization of the Use of Waste Soils from Construction for Land Reclamation" Research Report No. R-264-000-093-304, Prepared for Agency for Science, Technology and Research (A* STAR), Singapore.
31. **Karthikeyan, M.** (2005). "Application of Radioisotope Cone Penetrometer to Characterize a Lumpy Fill. PhD Thesis, National University of Singapore, Singapore. 219p.
32. **Karthikeyan, M.** (2000). "Unsaturated Seepage and Slope Stability Analysis", M.Eng. Thesis, National University of Singapore, Singapore. 145p.
33. **Karthikeyan, M.** (1997). "Effect of Industrial Effluents on Soil Properties", M.Eng. Thesis, Anna University, Chennai, India. 72p.
34. **Karthikeyan, M.** (1995). "Analysis and Design of Stadium for an Educational Institution", B.Eng. Thesis, RVS College of Engineering and Technology, Dindigul, India.

Consultancy Services:

- ❖ Serving as a consultant for the reclamation project on Pasir Panjang Terminal- Phases 3 and 4 in Singapore from November 2007 to still. This project is funded by Maritime and Port Authority of Singapore and coordinated by Housing Development Board and Surbana International Consultants Pte Ltd for the extension of Port facilities in Singapore.
- ❖ Served as a consultant for the C421 Kallang / Paya Lebar Expressway Project. The project contractor is SembCorp Engineers and Constructors Pte Ltd and Kiso-Jiban Consultants, Singapore from Oct 2005 to March 2006.

Conferences Organized (as a team member):

- ❖ Organized in the Indian Geotechnical Conference -'96, at Anna University, Chennai, India in 1996.

- ❖ Organized in the First International Workshop on Characterization and Engineering Properties of Natural Soils, by the National University of Singapore, Singapore in December 2002.
- ❖ Organized and participated the workshop on Underground Singapore 2005, (UGS 2005) 1-2 December in 2005.
- ❖ Organized and participated in the half-day seminar on Sustainable Technologies for the Mineral, Metal and Materials Industrial Sector in Asia, this seminar is organized as part of Global Entrepolis@Singapore (GES) 2006 on 30 October 2006.
- ❖ Organized and participated in the Second International Workshop on Characterization and Engineering Properties of Natural Soils, by the National University of Singapore, Singapore, on 29 November 2006 - 01 December 2006.
- ❖ Organized and participated in the half-day workshop on Rain-Induced Slope Failures, this workshop is organized by the National University of Singapore, Singapore on 27 April 2007. This is in conjunction with Singapore's Participation in the United Nations Frame Work on Climate Change (UNFCCC).
- ❖ Organized and participated the workshop on Underground Singapore 2007 and Special Session on Baseline reporting, (UGS 2007) 29-30 November in 2007.
- ❖ Organized and participated in the Expert Symposium on Climate Change; Modeling, Impacts, and Adaptation's and workshop on climate change and slope stability, 17-19 December 2007, organized by the National University of Singapore, Tropical Marine Science Institute and British High Commission of Singapore.

Invited Presentations

- ❖ Presented paper in the 3rd International Conference on Soft Soil Engineering, Hong Kong in 2001.
- ❖ Presented paper in the 14th Southeast Asian Geotechnical Conference, Hong Kong in 2001.
- ❖ Presented paper in the IES Conference on Case Studies in Geotechnical Engineering, Organized by the Nanyang Technological University, Singapore in 2002.
- ❖ Presented a paper in the Second International conference on Maritime-Port Technology and Development Conference (MTEC 2007), organized by Maritime Port Authority of Singapore (MPA), Singapore, 26 -28 September 2007.

- ❖ Talk on the topic of “[Use of waste soil from construction for land reclamation](#)” to Housing Development Board, Singapore and Surbana international Consultant Pte Ltd. on 12 Dec 2007.
- ❖ Presenting a paper in the 1st European Conference on Unsaturated Soils, 2- 4th July 2008, Durham, United Kingdom.

Continuing Professional Development:

- ❖ Attended the [three-week inplant training](#) in the Civil Engineering Department of Tuticorin Port Trust, Tuticorin, India in 1994.
- ❖ Attended the [four-week practical training](#) in the Soil Mechanics Laboratory, Soil Mechanics and Research Division, Public Works Department, Chennai, India in 1996.
- ❖ Workshop for Practicing Engineers on [Foundation Design and Construction](#), organized at Anna University, Chennai, India in 1996.
- ❖ Attended the Short Courses conducted by Prof. Fred. H. Kulhawy and Prof. Chow Yean Know on [Design and Construction of Drilled Shaft \(Bored Piles\) Foundations](#), organized by the National University of Singapore, Singapore on 15 January 1998.
- ❖ Workshop on Underground Construction in Singapore, in 2001.
- ❖ Attended the Seminar on [An Integrated Approach to Sustainable Flood Management- the Kilmarnock Scheme](#), organized by The Chartered Institution of Water and Environmental Management (CIWEM) (Rivers and Coastal Group and the Scottish Branch), Kilmarnock (Scotland), United Kingdom on 16 June 2005.
- ❖ Participated in the 2nd Annual Flood Risk Management Research Consortium (FRMRC) Workshop funded by EPSRC, organized at the University of Nottingham, Nottingham, United Kingdom on 12 -13 July 2005.
- ❖ Participated in the Marie Curie Research Training Network School & Workshop on [Advanced Modeling of Ground Improvement on Soft Soils](#) (AMGISS) funded by the European Commission, organized at the University of Glasgow, Glasgow, United Kingdom on 21-23 September 2005.
- ❖ Participated in an annual [ASTM International technical meeting of D18 committee on soil and rock](#) for the development of International Standards, organized by ASTM International at Norfolk, Virginia, USA on 24 -27 June 2007.
- ❖ Participated in the Building and Construction Authority (BCA) Seminar on “[Approach to Structural Inspection & Slope Stability](#) on 05 Oct 2007 at the HDB Hun Convention Centre, Singapore.

- ❖ Attended in The Rankine Lecture 2007 – [Soil- Environment Interactions in Geotechnical Engineering](#) by Antonio Gens, Organized by Tunneling and Underground Construction Society (TUCSS) Singapore, on 25 October 2007 at Singapore Power Auditorium.
- ❖ Attended the seminar on “[Site Investigation in the 21st Century](#)” by Professor Chris Clayton, Southampton University, United Kingdom, organized by Centre for Soft Ground Engineering, National University of Singapore and Geotechnical Society of Singapore on 14 February 2008.
- ❖ Attended the seminar on “[Tunneling for the London 2012 Olympics](#)” by Bill Grose, (a director of Arup and Chairman of the British Tunneling Society) organized by Tunneling and Underground Construction Society, Singapore on 22 April 2008 at SMRT Building.
- ❖ Attended the seminar on “[Raft Foundations for Tall Buildings](#)” by Dr. I.H. Wong, organized by Centre for Soft Ground Engineering, National University of Singapore and Geotechnical Society of Singapore on 14 May 2008.
- ❖ Participated in the [Technical Exchange Meeting for Cement Mixed Soil \(CMS\) to further develop understanding of the application of CMS](#) on 17 June 2008 at Shangri-La Hotel, Singapore, organized by Penta-Ocean Construction Co., Ltd. Singapore.

Media News Covered:

- ❖ News titled on “ASTM Hogentogler Award” appeared in Soils and Foundations, Journal of Japanese Geotechnical Society, Japan Vol. 55, No.9 Ser No. 596, September 2007, Page 29 (in Japanese).
- ❖ News titled on “Groundbreaking Find for Reclamation projects” appeared in Annual report 2007 of Faculty of Engineering, National University of Singapore, Page 38.
- ❖ News titled on “Namakkal Scientist Received an International Award” appeared in The Dinakaran, an Indian Daily Tamil News paper on 17 July 2007. (in Tamil).
- ❖ The above news also appeared in the Malaimalar, an Indian Daily Tamil News paper on 17 July 2007. (In Tamil).