

Tunnelling and Underground Construction Society Singapore has 857 Corporate and individual members.

Technical seminars were held monthly at the SMRT auditorium at North Bridge Road by speakers covering a wide range of topics related to tunnelling and underground construction.

The technical seminars, generally conducted on the 3rd Thursday of each month, were free and open to TUCSS members and to the general public. In total 153 seminars had been conducted by TUCSS up to the end of year 2012.

TUCSS Annual Dinner

TUCSS Annual Dinner was held on 25 October 2012 at Raffles City Convention Centre. The dinner was attended by 55 TUCSS individual members, 9 non-TUCSS individual members, 44 invited guests, 270 Corporate members, 10 non-TUCSS Corporate Members, 19 Dinner Sponsors and 1 Main Sponsor.

The winners of the Hulme Prize 2012 and Geotechnical Awards 2012 from NUS and NTU were presented with their certificates during the dinner by TUCSS President, Mr Kulaindran Ariaratnam. The winners of the TUCSS-NUS Msc (Geotechnical Engineering) award were also presented with their certificates during the dinner.

TUCSS President Mr Kulaindran Ariaratnam acknowledged the generosity and contribution of our Main Sponsor, ARUP Singapore and the 19 Dinner sponsors. The sponsors are namely, Ampcontrol, BASF South East Asia Pte Ltd, Condat Lubrifiants, CSC Holdings Limited, EF Consult Asia Pte Ltd, Geoconsult Asia Singapore Pte Ltd, GS Engineering & Construction Corp, Korea Mould Co., Ltd, Leighton Contractors Asia (Singapore Branch) & John Holland, Nishimatsu Construction Co., Ltd, Normet Singapore Pte Ltd, Penta-Ocean Construction Co Ltd, Samsung C&T Corporation, Sato Kogyo (S) Pte Ltd, Shanghai Tunnel Engineering Co Ltd, SK E&C (Singapore Branch), Shanghai Tunnel Engineering Co Ltd, T.Y. Lin International Pte Ltd, WAK Technologies Pte Ltd and WorleyParsons Pte Limited.

TUCSS Annual Lecture

TUCSS Annual Lecture was held on Friday, 7 September 2012 at the NTUC Auditorium. The lecture was entitled "Development and Implementation of Kuala Lumpur's First MRT and the Tunnelling Challenges". The speaker was Mr. Marcus Karakashian.

The Annual Lecture was attended by 159 TUCSS members and 37 non-TUCSS members. The lecture explained how the first KL MRT line - Sungai Buloh to Kajang came to fruition and addressed the planning, procurement and construction aspects. The lecture, also covered the challenges to be overcome when tunnelling through the Kenny Hill and Karstic Limestone geological formations under Kuala

Lumpur.

1st Singapore-Japan Tunnel Seminar 2012

1st Singapore-Japan Tunnel Seminar 2012 was held from 15 to 16 March 2012 at InterContinental Singapore. It was attended by 154 TUCSS members, 50 non-TUCSS members, 88 invited guests and 21 exhibitors. There were 7 Keynote Speakers and 3 Guest Speakers.

Sato Kogyo (S) Pte Ltd sponsored the bags for the seminar.

The 21 exhibitors were, AIREC Engineering Corporation, Bekaert Singapore Pte Ltd, Daiho Corporation, Furukawa Electric Singapore Pte Ltd, Herrenknecht Asia Headquarters Pte Ltd, Hitachi Zosen Corporation (Singapore Branch), John Holland Pty Ltd, Kajima Corporation, Kawasaki Heavy Industries Ltd, Maccaferri Asia Regional Headquarters, Mott Macdonald Singapore Pte Ltd, Natsteel Holdings Pte Ltd, Nippon Steel Corporation and GEOSTR Co. Ltd, Raito Kogyo Co., Ltd. Singapore Branch, Rutherford Power Asia Pte Ltd, Sambo E&C Pte Ltd, Sato Kogyo (S) Pte Ltd, SG Electrical Equipment Suppliers & Manufacturing Pte Ltd, TAC CORPORATION, UEMURA Engineering Co., Ltd and WAK Technologies Pte Ltd.

TUCSS Training Courses

TUCSS course on “Supervision of Tunnelling Works” was held on, Thursday and Friday, 23 and 24 August 2012, at Mandarin Orchard. A total of 126 TUCSS members and 36 nonmembers attended the course.

TUCSS course on “EUROCODE 7” was held on, Monday and Tuesday, 19 & 20 November 2012, at Mandarin Orchard. A total of 76 TUCSS members and 25 non-TUCSS members attended the course.

TUCSS Technical Site Visit

TUCSS organised a technical site visit to MCE – C485 Project on Friday, 16 March 2012. TUCSS organised a technical visit to the DTL2 – C921 Project on Saturday, 6 October 2012. TUCSS organised a technical visit to Hypertherm’s Cutting Technology Centre on Saturday, 6 December 2012.

TUCSS Golf Tournament

TUCSS Friendly Golf Tournament 2012 was held on 16 March 2012 at the Sentosa Golf Club. There were 25 golf sponsors, 3 golf dinner sponsors and 1 t-shirt sponsor.

The golf sponsors were GS Engineering & Construction Corp, KTC Civil Engineering & Construction Pte Ltd, Penta-Ocean Construction Co Ltd, Rutherford Power Asia Pte

Ltd, Samsung C&T Corporation, SK Engineering & Construction (Singapore Branch), Ssangyong Engineering & Construction Co. Ltd, Chang Ding Engineering Pte Ltd, Gammon Pte Limited, Island Concrete Pte Ltd, Jurong International Holdings Pte Ltd, Kawasaki Heavy Industries Ltd, Mott Macdonald Singapore Pte Ltd, Natsteel Holdings Pte Ltd, Nishimatsu Construction Co., Ltd, OKP Holdings Limited, Pan-United Concrete Pte Ltd, Sambo E&C Pte Ltd, Sato Kogyo (S) Pte Ltd, Super Galvanising Pte Ltd, T.Y. Lin International Pte Ltd, Taisei Corporation, Tiong Seng Contractors Pte Ltd, Tuksu Engineering & Construction Ltd and Worleyparsons Pte Ltd.

The 3 golf dinner sponsors were Alpine BAU GMBH, Penta-Ocean Construction Co Ltd and WAK Technologies Pte Ltd.

Swee Hong Engineering Construction Pte Ltd sponsored the golf T-shirts.

Second TUCSS Golf Challenge 2012 was held on Wednesday, 29 August 2012 at the Laguna National. There were 25 golf sponsors and 3 golf dinner sponsors.

The golf sponsors were CPG Consultants Pte Ltd, CSC Holdings Limited, GS Engineering & Construction Corp, Hyundai Engineering & Construction Co., Ltd., Island Concrete (Pte) Ltd, Kawasaki Heavy Industries Ltd, KTC Civil Engineering & Construction Pte Ltd, Maccaferri Asia Regional Headquarters, Mott Macdonald Singapore Pte Ltd, Natsteel Holdings Pte Ltd, Nishimatsu Construction Co., Ltd, OKP Holdings Limited, Pan-United Concrete Pte Ltd, Penta-Ocean Construction Co Ltd, Rutherford Power Asia Pte Ltd, Sambo E&C Pte Ltd, Samsung C&T Corporation, Samwoh Corporation Pte Ltd, Sato Kogyo (S) Pte Ltd, Shimizu Corporation, SK E&C (Singapore Branch), Ssangyong Engineering & Construction Co. Ltd, Swee Hong Limited, T.Y. Lin International Pte Ltd and WorleyParsons Pte Ltd.

The 3 golf dinner sponsors were Alpine BAU GMBH, Penta-Ocean Construction Co Ltd and WAK Technologies Pte Ltd.

TUCSS Geotechnical Engineering Award

TUCSS awarded the NUS-Geotechnical Engineering Award Year 2012/2013 to Mr Tan Li Hong of \$1,500.

TUCSS awarded the NTU-Geotechnical Engineering Award Year 2012/2013 to Mr Jong Ming Chuan of \$1,500.

TUCSS-NUS M.Sc. (Geotechnical) Scholarship

TUCSS awarded outstanding candidate/s in MSc (Geotechnical Engineering) programme in NUS. The two recipients are part-time students, Mr Cui Zhe and Mr Chen Wai Hing.

RE/RTO (Tunnel) Accreditation Scheme

TUCSS signed a Memorandum of Understanding (MOU) with IES/ACES in October 2008 for the Accreditation of Site Supervisory Staff (Tunnel) and this was renewed in 2010. During 2012 TUCSS Sub-Committee considered and responded to applications for RE/RTO(T) submitted through IES and held seminars and training courses to support the continued professional development of RE/RTO(T).

Asia Pacific Rail 2012

TUCSS participated as a supporting organisation at the 14th annual Asia Pacific Rail 2012 from 13 to 15 March 2012 that was held in Hong Kong.

Singapore International Water Week (SIWW)

TUCSS participated as a supporting organisation at the prestigious SIWW event on 3 July 2012.

Seminar on Urban Underground Space Planning, Use, Management and Development

TUCSS was a supporting organisation at the seminar on Seminar on Urban Underground Space Planning, Use, Management and Development that was held in Vietnam on 28 July 2012.

13th World Conference of the Associated research Centres for the Urban Underground Space (ACUUS 2012)

TUCSS participated as a supporting organisation at the ACUUS 2012 from 7 to 9 November 2012.

TUCSS Activities for 2013 Planned

Monthly technical seminars will be held generally on the 3rd Thursday of the month at SMRT auditorium.

TUCSS Training Courses on Tunnelling and Underground Construction are scheduled for June and September 2013.

TUCSS Golf Tournaments are planned in March 2013 and September 2013.

TUCSS Annual Lecture will be held during September 2013.

Site Technical Visits are planned half yearly TUCSS Annual Dinner is planned for October 2013.

Hulme Prize Paper Competition will be held during the 2nd quarter of the year. Three shortlisted participants of technical papers will give an oral presentation at a TUCSS Seminar and judging will take place at the same time. Awards will be presented during the TUCSS Annual Dinner 2013.

TUCSS Geotechnical Awards for students at NUS and NTU will continue.

TUCSS M.Sc. (Geotec) Scholarship at NUS will continue.

TUCSS is a supporting organisation for Asia Pacific Rail 2013, 12 to 14 March 2013 in Hong Kong.

TUCSS is a supporting organisation for LTAUITP Singapore International Transport Congress and Exhibition (SITCE) 2013 to be held from 7 to 10 October 2013 at Suntec Singapore.

TUCSS is a supporting organisation for BuildTechAsia2013, 31 July-2 August 2013 at the Singapore Expo.