

ABOUT THE SYMPOSIUM

Formed in 2013, the International Engineering Science Consortium (IESC) comprises

- Engineering Science Programme, College of Engineering, University of California, Berkeley, USA;
- Division of Engineering Science, Faculty of Applied Science and Engineering, University of Toronto, Canada;
- Engineering Science Programme, Faculty of Engineering, National University of Singapore, Singapore;
- Graduate School of Engineering Science/School of Engineering Science, Osaka University, Japan; and
- School of Engineering Sciences, Royal Institute of Technology, Sweden.

IESC is created for improvement of the presence of engineering science through:

- providing an opportunity for discussions on the global mission of engineering science
- pursuing joint educational programmes in studies on engineering science covered by the institutions
- enhancing joint academic research projects on engineering science covered by the institutions
- promoting engineering science network partnership among scholars and academic communities
- opening and managing the web page of the consortium for advertisement of its activities

This inaugural symposium of IESC provides a platform for faculty members and students from the Engineering Science Consortium to share their thoughts/ideas on various engineering science problems and solutions with one another. The symposium features some keynote lectures from top engineer scientists that will inspire the engineering science community.

KEYNOTE LECTURES

There will be a total of 9 invited lectures presented during the 2-day symposium. The topics and speakers for the lectures are:

- **Latest Developments in Rapid Prototyping** – Prof Mark Kortschot (University of Toronto, Canada)
- **Novel Low-Energy Desalination and Cooling Technology** – Prof K.C. Ng (National University of Singapore, Singapore)
- **Super-Resolution Imaging of Whole Cells using Mega-Electron Volt Focused Ion Beams** – A/Prof Andrew A. Bettiol, Zhaohong Mi, Vanga Sudheer Kumar, Ce-belle Chen, Ye Tao and Prof Frank Watt
- **Smart Materials in Vibration Isolation** – Prof Leif Kari (KTH, Sweden)
- **Dissipative Particle Dynamics: a Particle-Based Method in Some Mesoscale Problems** – Prof Nhan Phan-Thien (NUS)
- **Onset of transient turbulence in wall-bounded shear flow** – Prof Genta Kawahara (Osaka University, Japan)
- **to be confirmed** – Prof David Attwood (University of California Berkeley, USA)
- **Advances in Finite Element Method for solving Engineering Science Problems** – Prof J.N. Reddy (Texas A&M University, USA)
- **Recreating Classical Engineering Science Experiments** – Prof Anjam Khursheed (NUS)

In addition to the first day keynote lecture sessions, there will be parallel technical sessions and student workshop on the second day of the symposium. In these technical sessions and workshop, faculty members and students of IESC will present their research findings on various topics of engineering science and share the advantages of having an engineering science degree as opposed to the traditional engineering and science degrees.

WHO SHOULD ATTEND?

This symposium is organized for engineers and scientists who are interested in multidisciplinary engineering science problems. University, Polytechnic and Junior College students are particularly welcomed.

CONFERENCE ORGANISERS

Chairman: Prof. Wang Chien Ming

Vice-Chairman: A/Prof Anjam Khursheed

Secretary: A/Prof Jeroen van Kan

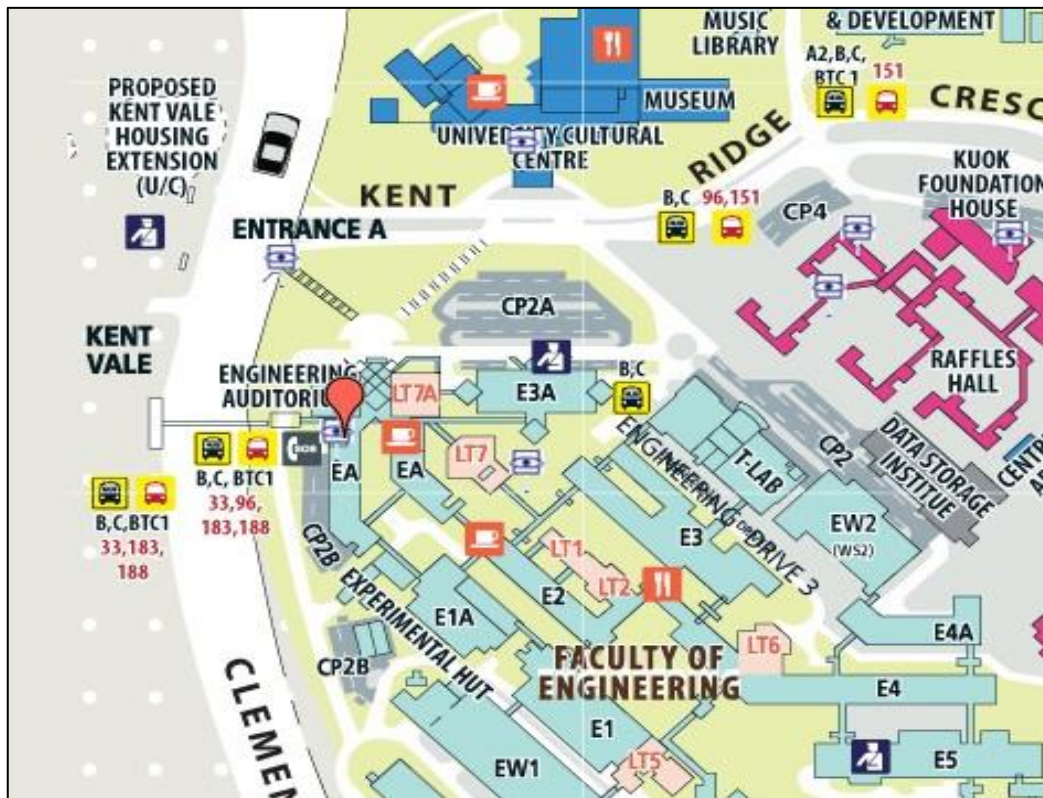
Treasurer: Dr Erik Birgersson

Members: Dr Daniel Pickard, Dr Joshi Shailendra, Dr Ho Ghim Wei, Dr Zhang Chun, Dr Palani Balaya, Dr Andrew Bettioli, Dr Shen Lei, Dr Raisul Islam, Dr Adrian Koh, Dr Ernest Chua

International Advisory Committee: Prof Genta Kawahara, Prof David Attwood, Prof Leif Kari, Prof Mark Kortschot

CONFERENCE VENUE

Engineering Auditorium, Faculty of Engineering, National University of Singapore, Singapore



By Train (MRT) and Bus:

1. Take East-West Line and alight at Clementi MRT station
2. Take bus service no. 96 from Clementi Bus Interchange or bus service no. 183 from bus stop B17179 below the MRT station, along Commonwealth Ave West
3. Alight at the bus stop in front of Faculty of Engineering (4th stop after boarding the bus)
4. Walk up a short flight of stairs to reach Block EA

Direct Buses:

1. Take bus service no. 33 or 188 and alight at the bus stop in front of Faculty of Engineering, along Clementi Road; first stop after Entrance A, University Cultural Centre or the bus stop after School of Design and Environment if taking from the opposite direction.
2. Walk up a short flight of stairs to reach Block EA

By Taxi:

Use NUS Entrance A/B to reach Block EA of the Faculty of Engineering.

REGISTRATION FORM

International Symposium on Engineering Science, 19-20 May 2015, National University of Singapore

Registration Fees (Inclusive of 7% GST)

The fee is inclusive of a copy of Conference proceedings (in colour), coffee break, lunch, reception, banquet, and admission to the lectures.

- International Engineering Science Consortium (IESC) Members : S\$200
- Non- International Engineering Science Consortium Members : S\$300
- Full Time IESC Students : S\$50.00
- Full Time Non-IESC Students : S\$80.00

(Please type/print in English or attach your business card)

Name : _____ NRIC / Passport No. : _____
Company : _____ Designation: _____
Address : _____
Postal Code : _____
Tel : _____ Fax : _____
Email : _____

Please indicate : IESC members Institution.: _____
 Non-IESC members Institution.: _____
 Full Time IESC Students
 Full Time Non-IESC Students
Dietary preference : * Chinese / Muslim / Vegetarian **(Please delete accordingly)**

Date : _____ Signature : _____

Contact Person Details (if different from participant)

Name : _____ Designation : _____
Tel : _____ Fax : _____
Email : _____

Payment Mode

Payment by Cheque / Bank Draft

[Payable to "National University of Singapore"]

Cheque / Bank Draft No: _____

(Please indicate "**International Symposium on Engineering Science**" on back of cheque)

Please invoice my company
(For Singapore companies only)

Please complete the registration form and submit it by mail, fax or email:

Ms. Angela Loke
Engineering Science Programme
Faculty of Engineering
National University of Singapore
Blk EA #06-10, 9 Engineering Drive 1
Singapore 117575
Tel: +65 6516 5408 Fax: +65 6775 4710
Email: esplmh@nus.edu.sg