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Agenda

1. Confirmation of 2016 AGM Minutes
2. Summary of Branch Activities
3. Activities Summary
4. Membership Updates
5. Future Events
6. Treasurer’s Report
7. Committee Nominees
Confirmation of 2016 AGM Minutes

Minutes of 21st Annual General Meeting of the Institution of Mechanical Engineers, Singapore Branch, held at the Tanglin Club on Friday 1st April 2016.

Meeting Call to Order
The Chairman called the meeting to order at 7.30 pm with quorum reached at 31 members present.

Approval of Minutes of the 20th AGM held on 31st March 2015
The minutes of the 20th AGM were approved.

Proposer: Boon Hooi Hoyi
Seconded: Poh Sik Tan

Branch Chairman’s Annual Report
Chairman recognised that for the past twelve months, the branch had actively promoted Mechanical Engineering and activities carried out by the branch are in line with the Institution strategic intent and objectives.

The branch members were able to joint 4 site visits and 3 lectures on subjects of interest to Mechanical Engineers. The branch also engaged with IES and NUS for evening talks of mutual interest.

On 7th July 2015 the Branch and the Engineering Alumni Singapore (EAS) conducted jointly the Global Engineering Debate 2015 on the Future of Singapore’s Energy. In addition a very interesting talk was held by Mr Park of Rolls Royce on reducing the impact of Aviation on the Environment, which was jointly held with EAS.

We were excited that in 2015 we were able to meet with Stephen Telford, CEO of the I MechE together with Tom Owen Business Development Manager, as well as Past I MechE President Prof Rodney Smith and Bob Johnson.

Graeme Britton gave a membership talk to students and associates at Newcastle University in December 2015.

The Singapore Branch committee met 6 times during the 12 months period to promote key themes of:
1. Support for Professional Development by conducting Professional Review Interviews (PRI) for those applying for Chartered Engineer status.
2. Complement and support I MechE HU strategic plan – attended SEAR meeting.
3. Develop awareness of engineering and raise profile of I MechE.
4. Maintain development of local branch.
5. Manage financial position with reduced support from HQ.

The SEAR meeting was hosted by Singapore on the 15th October 2015, attended by Malaysia, Brunei and Indonesia.

Membership update
38 fellows
183 Members
105 Associates
17 Associates

We have 5 qualified interviewers able to conduct professional interviews. In 2015, 12 CEng PII conducted.

Honorary Treasurer’s Report
The Honorary Treasurer presented his report, a copy of which was provided to members. The closing balance on 31 December 2015 was SGD2,300.00 down from SGD 26,501.53 over 2014. Income was SGD 12,343.05. Expenditure SGD 10,112.09 during this period.

Dr Tan Poh Sik queried the reporting of the balance sheet regarding the adjustment. Adjustment made to the reporting to standardise the P&L.

The Honorary Treasurer thanked Dr Chooh Lek and Mr Angus Tang for auditing the accounts.

Future events – there are a pipeline of future talks and visits planned including Rolls Royce Fan Assembly, Jack-Up rigs and Chemical Processing plant in Jurong Island. Another key event will be “Becoming a Professional Engineer – Routes to Professional Registration” on 5th April 2016.

Election of Officers and Committee Members and Appointment of Honorary Auditors

Position
Chairman
Vice Chairman
Honorary Secretary
Honorary Treasurer
Committee
Young Member

Name
Yeap Boon Hoyi
Ivan Tan
Clive Ford
John Heng
Angus Tang
Lim Song Hau
Chris Pockels
Chua Say Cheong
John Sears
Kumaresan Thyagarajan
Alex Stergiou

Dr Graeme Britton raises a motion to thank the outgoing committee for the work done over the last 12 years and for the local branch for organising all the events and activities and raising the profile of I MechE internationally.

The new committee was presented to the meeting. Since there was only one nomination for each position, the motion was carried by acclamation.

Proposer: Graeme Britton
Seconded: Michael Tang

The following members were nominated for appointment as Honorary Auditors:

Auditor 1: Cheok Kean Wye
Auditor 2: Graeme Britton

All the above nominations were approved unanimously by the meeting. The Chairman declared the election process closed.
2016-17 Committee

Chairman
Yeap Boon Hooi
Vice Chairman
Ivan Tam
Treasurer
John Heng
Hon. Secretary
Clive Ford
Hon. Asst Secretary
Angus Tang

Ordinary Members:
Chris Poczka
John Sears
Lim Song Hau
Chua Say Cheong
Kumaresan

Young Member Rep:
Alex Stergiou

Thank You and Well Done
## Summary of Branch Activities

26 activities were organised from Apr 2016 to Mar 2017

<table>
<thead>
<tr>
<th>Events/Activities</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Talks</td>
<td>6</td>
</tr>
<tr>
<td>Joint Technical Talks (GAS)</td>
<td>2</td>
</tr>
<tr>
<td>Technical Site Visits</td>
<td>2</td>
</tr>
<tr>
<td>Membership Talk</td>
<td>3</td>
</tr>
<tr>
<td>SEAR Meeting</td>
<td>2</td>
</tr>
<tr>
<td>Host Visits from HQ / President Visit</td>
<td>2</td>
</tr>
<tr>
<td>Supporting Events: IChemE / IMarEST</td>
<td>4</td>
</tr>
<tr>
<td>Committee Meetings</td>
<td>5</td>
</tr>
</tbody>
</table>
Technical Talks

19 May 2016

An Overview of Technical Safety and its Importance in the Offshore Oil and Gas Industry by Lim Kee Huat, who has 34 years experience in technical safety covering a broad spectrum of risk, safety studies and loss prevention.

30 June 2016

Patenting Talk by Jim Greene and Lucille Ong, Mechanical Engineers and Patent Attorneys with Marks and Clerk, Sg. Both are IMechE members.
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Technical Talks

12 Oct 2016

Heating Ventilations and AC Systems in the Digital Age and Starting an Engineering Focused Tech Company by CV Kumar, a Senior Energy Management Pro and Rajamand, a Singapore Certified Energy Manager.

30 Nov 2016

The Food-Water-Energy Nexus – The Energy Challenge by Dr Tim Fox, an overview of challenges faced to create a sustainable food supply chain.

Singapore focuses on challenges of the global food system

Institution’s Singapore Branch plays key role in November events focused on improving the sustainability of the global food system.

Read more >

Share this content:
Product development the Dyson Way and Annual Christmas Dinner – John Wallace gave a fascinating “sell-out” talk on engineering and design challenges faced by his team.
Additive Manufacturing: Risks and Safe Adoption by David Hardacre, technical lead in Lloyd’s Register AM Project. He shared knowledge on AM techniques, benefits and risks.
Joint Technical Talks

21 Nov 2016

Joint seminar with GAS on The Future Supply of Gas by Tan Lian Yok (K&L Gates) and Nicholas Browne (Wood Mackenzie). Lian Yok spoke on Singapore as Asia 1st LNG Hub and Nicholas on Piped Gas to LNG.

12 Jan 2017

Joint seminar with GAS on Successful Development of Offshore LNG Projects by KK Yong and Andrew Ng from Black & Veatch Asia. Both spoke on FLNG developments and solutions.
Technical Visits

21 Oct 2016

Visit to MPA Port Operations Control Centre @ PSA Vista. The state of the art centre allows PSA to track up to 10,000 vessels at a time in the Straits of Singapore and ensure safe and efficient sea traffic operations.
17 Feb 2017

Visit to Singapore Sports Science Institute, which included tour to the nutrition lab, indoor coaching facilities and sports science facilities.
IMechE Membership Talk

- Routes to Professional Registration
- 5 April 2016 @ University of Glasgow (SIT)
- Tom Owen, International Business Development Manager
IMechE Membership Talk

- Rolls Royce Career Day @ Seletar Campus
- 30 Sept 2016 - Represented by Clive Ford and John Heng
- IES, IET also attended
IMechE Membership Talk

- Routes to Chartered Engineer and Formation of A Student Chapter
- 20 Jan 2017 @ University of Glasgow (SIT)
- Alex Stergiou, Young Member Rep and Project Engineer @ OneSubsea
SEAR Meeting and SEAR SOFE held in Kuala Lumpur on 15 Oct 2016.

Appointment of a Business Development Manager for SEA Region, Quan Zen Teng. He will be based in Kuala Lumpur but servicing the whole region, with focus on Malaysia, Singapore and Brunei.
SOFE

Local Heat on 4 Oct 2016 – 5 participants from NUS, NTU, SIT.

Judges: Clive Ford, John Sears & Kheng Lim.

2 winners selected to represent Singapore to the SEAR SOFE in Kuala Lumpur on 15 Oct 2016 – Smrithi and Kent Lin.

Kent Lin won the SEAR SOFE and represented SEAR for International SOFE on 26 Feb 2017 in Kuala Lumpur. He came in 3rd placing.
HQ – CEO Visit

- Visit by Stephen Tetlow, CEO, IMechE
- Jo Horton, Head of International Development
- 14 July 2016 @ Park Hotel
9 Feb 2017
President Jon Hilton presented the George Stephenson Lecture at NUS, titled ‘Engineering Your Own Future’. Jon shared his successful years working in the motorsport industry, recalled how his life was touched by great engineers and puts a spotlight on mentoring.
The lecture was jointed organised by NUS Mechanical and Aerospace Department with guests from NTU, IES, IMarEST and other organizations. A group of students from University of Chongqing also attended.
HQ – President Visit

9 & 10 Feb 2017
• Courtesy call to IES and met up with IES President
• Visited Dyson Singapore
• Visited Rolls Royce Singapore
• Visited Newcastle University
Supporting Events

- IChemE
- Hazards 2016, 16-18 May 2016

Hazards 2016
16-18 May, The Ritz-Carlton, Millenia Singapore
CPD - 18 PDU(PE), 6 CPD (FSM), SDU pending

It could happen to you - make safety case a reality

Hazards 2016 convenes its inaugural conference in Singapore. Do not miss out attending this essential process safety conference and opportunity to share and learn with like-minded process safety professionals and understand how the new legislation in Singapore affects you.

- international speakers familiar with how safety case regimes work, who will look at the various components that are required to make safety case a reality
- local and overseas presenters, specially selected to share their views on topics such as hazard identification, mechanical & asset integrity, risk assessments and human factors
- the Singapore authorities who will provide an update on safety case implementation and the revised QRA guidelines

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Supporting Events

- Joint Branch RINA & IMarEST
- OSV Singapore, 8-9 Sept 2016
- Lord Kelvin Lecture, 13 Feb 2017

The 6th International Conference on Technology and Operation of Offshore Support Vessels

“OSV SINGAPORE 2016”

8 – 9 September 2016
at Singapore Polytechnic Lecture Hall 17 A
Supporting Events

IMechE Sg Branch has been invited by NTUC, via IES to be part of their U-Associate programme.

“Initiated in 2011 by the Labour Movement, U Associate is a partnership programme designed to engage and support professional associations and PMEs. With U Associate, we can come together to achieve greater Growth, forge stronger Relationships and open up new Opportunities.”

By being part of the U-Associate, the branch can tap into some of the resources available to NTUC.

The new committee can meet representatives of U-Associate at their first meeting for further discussion.

There is no cost.
Committee Meetings

5 committee meetings held in 2016-17 term:

Agenda:

- Arrangement of Technical Talks and Visits
- Quarterly updates to HQ (membership movements, events, interviews, etc)
- Events for young members (SOFE, Design, Photography)
- Arrangement of PRI interviews
- Hosting of SEAR / HQ visits
- Young Members and Student Chapters
- Professional Registration Outreach
- Admin and finance matters of the branch
Members Engagement

Feedback Form created to engage members to provide feedbacks, to improve on content, logistics and help plan future relevant events.

If you know or have contacts for site visits or talks that are beneficial for members, please do let us know.
## Membership Status of Singapore Branch

(As of 9 March 2017)

<table>
<thead>
<tr>
<th>Category</th>
<th>Current</th>
<th>Change Since Last AGM</th>
<th>Lapsed (1.4.16 to 9.3.17)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellow</td>
<td>39</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Member</td>
<td>175</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Associate</td>
<td>100</td>
<td>11</td>
<td>15</td>
</tr>
<tr>
<td>Affiliate</td>
<td>197</td>
<td>-60</td>
<td>82</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>511</strong></td>
<td><strong>-45</strong></td>
<td><strong>103</strong></td>
</tr>
</tbody>
</table>
Membership Status of Singapore Branch  
(as of 30 September 2016)

Issue With Contacting Members via Informer:

- Members contactable by email: 353 (63.5%)
- Members contactable by post: 298 (53.6%)  
  (We have not been writing via post for years)
- Members not contactable by post/email: 159 (28.6%)
- Remind all members to update their mailing preferences,  
  preferably by email.
Professional Review Interview

- Chris Poczka leads the PRI team.
- 4 assessors with valid interviewing credentials for CEng and IEng.
- 6 additional volunteers came forward following the call for volunteers - work in progress to certify.
- PRI interviews conducted:
  - 2016 – 6 (5 CEng and 1 IEng)
  - 2017 – 10 (8 CEng and 2 IEng)
- Meeting with David Kelly, Director of AP IMarEST – offer the use of IMarEST office to conduct PRI.
- 1st PRI conducted @ IMarEST office on 24 Feb.
- We still need more volunteers!
Up Coming Events

Apr: SOFE Local Heat @ NUS
     Fan Blade Assembly Visit @ Rolls Royce

May: Engineers Without Borders Talk @ Science Centre

Jun: Fuel Cell Technical Lecture

Jul: World Engineers Summit organised IES
     Engineering Meet Healthcare Lecture

Aug: Pressure Vessel Lecture
     Dyson Technical Visit

Sept: Hot Tapping Lecture with GAS

Oct: Applied Materials Technical Visit

Nov: Reclamation Lecture by Dredging Int

Dec: Christmas Dinner and Talk
Treasurer’s Report
2017-18 Committee Nominees

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2017-18 Committee Nominees

Chair: Yeap Boon Hooi
Vice Chair: Clive Ford
Hon Sec: Chia Chun Wah
Asst Hon Sec: T. Kumaresan
Hon Treasurer: Cheah Kean Wee

Ordinary Members: (5 needed)
Chu Xiang Nan
Ivan Tam
Lim Song Hau
John Sears
Chris Pozka

Young Members Rep:
Alex Stergou

Auditor 1: Patrick Carey
Auditor 2: John Heng
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THANK YOU