INCOSE Singapore Chapter
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Report on Activities in Year 2015
for 1 Jan 2015 – 31 Dec 2015

Annual General Meeting
The Chapter's 9th AGM was held on 30 March 2015.

Management Committee Meetings
The Management Committee met twice on:
- 27 April 2015 to set Chapter Strategic and Operational Plan 2015
- 4 August 2015 to review chapter activity and plan.

Members' Meetings
Our Chapter members met on 2 occasions with these activities:
- 4 May 2015, with Talk from Kerry Lunney on "Building for Tomorrow" (Attendance 20%)
- 23 June 2015, with Talk from Robert Halligan on "An Overview of ISO/IEC/IEEE 15288:2015" (Attendance 20%)

Chapter Events
Our Chapter conducted two joint events:
- One day tutorial on "Systemic and Systematic Methodology for Solving Complex Problem" by Dr. Joseph Kasser on 26 Nov 2015 (joint event with IET Singapore)
- Joint IET-INCOSE Talk "Human-Centered Development of Systems Engineering in Norwegian Engineering Industries" on 7-Dec-2015

INCOSE International Events and Affairs
Our chapter members attended the INCOSE International Symposium at Seattle, USA from 13 to 16 July 2015:
- Serge LANDRY
- Joseph KASSER
- Michel-Alexander CARDIN
- Yeo Kim Teck

Corporate Advisory Board (CAB)
The National University of Singapore and the Nanyang Technological University are members in the INCOSE Corporate Advisory Board (CAB). Prof Loon Ching TANG and Prof Khim Teck YEO continued serving as NUS and NTU's respective representative in this Board.

SEP Certification
One of chapter member, Herold Sipail (reside in Malaysia) attained ASEP in 2015. As of now there are 1 CSEP and 2 ASEP members in Singapore Chapter.

Publications and review

Michel Alexandre CARDIN authored following papers:
- *Economic evaluation of flexibility in the design of igcc plants with integrated membrane reactor modules*, Systems Engineering 18 (2015)
- *A process to analyze strategic design and management decisions under uncertainty in complex entrepreneurial systems*, Systems Engineering (Accepted) (2015).
- *Improving the lifecycle performance of engineering projects with flexible strategies: Example of on-shore ing production design*, Systems Engineering 18 (2015),
- *Design catalogs: A practical approach to design and value flexibility in engineering systems*, Systems Engineering (Accepted) (2015).
- *Training design and management of flexible engineering systems: An empirical study using simulation games*, IEEE Transactions on Systems, Man, and Cybernetics: Systems 45 (2015),

Joseph Kasser authored following paper:
- *Guidelines for creating systems*, proceedings of the 25th International Symposium of the International Council on Systems Engineering (INCOSE), Seattle, WA, 2015

Aaron Chia reviewed following papers for the Systems Engineering Journal:
- Green Building Development System Modeling and Strategy Optimisation (May 2015)
- Complexity in a Systems Engineering Organisation: An Empirical Case Study (Dec 2015)

Mohammad Azron reviewed these papers and tutorial submissions for INCOSE IS 2015:
- "Model-Based System Patterns for Automated Ground Vehicle Platforms".
- "When two is good company, but more is not a crowd".
- "Systems Engineering Trade-off Analyses".

Contributions to other Organisations

Michel Alexandre CARDIN served as:
- Coordinator of Special Interest Group in Systems Engineering, NUS
- Associate Editor, Systems Engineering
- Chair of Program Committee (Academic) for CSD&M Asia 2016

Miscellaneous Activities and Achievements

- Serge Landry took part in the first cohort of the Technical Leadership Institute of INCOSE.
- INCOSE Funding support was awarded to the chapter for holding a promotional Tutorial in November,
- One Singapore Chapter promotional video was contributed to INCOSE as part of the 25th anniversary.
- One INCOSE 25@25 funding was awarded for Marketing & Promotion.
- Prof. Yeo Tat Soon of National University of Singapore was honored as one of the 'INCOSE spotlight profile' for 25@25 celebrations.

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Compiled by:
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