



# IES Precision Engineering Technical Committee (PETC)

*proudly presents*

## Technical Talk on A\*STAR's OTR (Operation and Technology Roadmapping) Program

***OPERATION AND TECHNOLOGY ROADMAPPING GIVES  
SINGAPORE SMEs A STRATEGIC EDGE.***

Date: 30 January 2019, Wednesday

Time: 7 pm to 10.15 pm (1900 hours to 2215 hours)  
**(Registration, Dinner and Networking starts at 6.15 pm (1815 hours))**

Venue: IES @ Bukit Tinggi Road new office building,  
2<sup>nd</sup> floor (via lift)  
**IES Training/ Seminar Rooms 1 & 2**  
**The Institution of Engineers, Singapore**  
**70 Bukit Tinggi Road, Singapore 289758**



CPD/  
PDU/:

**Approved/ Confirmed**

- **3 (Three) PDU for PEB PEs** (for all engineering branches/disciplines);
- **3 (Three) PDU for IES C.Engs** (for engineering sectors listed in <https://www.charteredengineers.sg/branches/>).

\*Fees:

**S\$32.10/- IES Members**  
(before GST is S\$30.00)

**S\$64.20/- per pax – for Non-Members**  
(before GST is S\$60.00)

***Limited seats available! Hurry! Do not miss this opportunity!***

**IES Members & Non-members, please [CLICK HERE](#) to register.**

\* All fees include prevailing 7% GST and 1 dinner. Presentation materials/ papers, if any, may be communicated via participant's email address after the end of programme, subject to Speaker's consent.

The screenshot shows the PEB website interface. The main content area is titled 'Calendar Of CPD Events'. It features a search filter with the following fields: Date From (30/01/2019), Date To (30/01/2019), Title Of Course (A\*STAR), Course Organizer (---Select---), Category (---Select---), and Branch of Engineering (---Select---). Below the search fields are 'SEARCH' and 'CLEAR' buttons. The search results are displayed in a table with the following data:

Course Id	Course Title	Course Organiser	Start Date	End Date	Category	Branch	PDU
COA28599	Technical Talk on A*STAR's OTR (Operation and Technology Roadmapping) Program	The Institution of Engineers Singapore	30/01/2019	30/01/2019	(b) Lecture, short course, conference, workshop or seminar	Others	3

## Synopsis

The primary objective of OTR is to help organization develop a defined operation and technology plan to better allocate resources to technologies useful for meeting their identified future business and market needs. The roadmapping process facilitates thinking about long-term goals and strategies. It also ensures that the allocation of resources to new technologies is strategic and will have a direct, positive impact on the business.

At the same time, the OTR programme also links companies to relevant technology experts in the public sector. With the support of professional facilitators and scientific experts, companies can now navigate more skilfully the diverse and complex technologies out there while thinking about how they could develop and embrace new technology. It also helps research institutes better understand the needs of the companies, and direct their R&D efforts towards research programmes that will benefit local industry.

The OTR program launched by A\*STAR is adopted from the T-Plan process developed at Cambridge University. The trained facilitators are skilled in delivering a conducive environment for management team to discuss technologies, it has also proven to be helpful in internal communication and teamwork.

## Speaker's Profile



**J**effrey **P**an Seng Peng has more than 25 years' experience in Managing Programs and Industry Development in various sectors some of which are the Marine & Offshore, IT, the Military and has been on a few other business ventures.

He holds an Honours Degree in Mechanical Engineering from the University of Aberdeen, Scotland, a Diploma in Shipbuilding and Offshore Engineering, and has acquired various specialised skills including IP Commercialisation, Advanced Negotiation, Advanced Project Management and Balanced Scorecards

Professional™ awarded by George Washington University, amongst others.

Being certified as a Professional Facilitator™ by the IAF (International Association of Facilitators) since 2008, Jeffrey together with his team has successfully supported more than 400 industrial organizations from a variety of sectors to develop their strategic roadmaps using the OTR methodology. His works has inspired the National Industry Transformation Map (ITM) launched in 2017 and has since been helping the industries in alignment through sectoral roadmaps development.

Email: [sppan@SIMTech.a-star.edu.sg](mailto:sppan@SIMTech.a-star.edu.sg) for more info  
<https://www.a-star.edu.sg/kto/Contact-Us/Contact-Details>  
[Jeffrey's LinkedIn](#)

## Interesting Reads





(Senior Minister of State for Trade and Industry Koh Poh Koon (second from right) watching a demonstration of the automated contact lens inspection system (above) by local SME Wavelength Opto-Electronic on Monday, 26 February 2018. **BT PHOTO: ARIFFIN JAMAR**)

## Big jump in R&D spending by Singapore precision engineering firms

The Business Times-26 Feb 2018

of **A\*Star Operation and Technology Roadmapping (OTR)** initiative and the Technology for Enterprise Capability Upgrading (T-up) scheme...Dr Koh was presented with a demonstration of the automated contact lens inspection system, which was developed with the help of A\*Star Operation and Technology Roadmapping (OTR) initiative and the Technology for Enterprise Capability Upgrading (T-up) scheme...

R&D investment turns S'pore manufacturing firm into multi-million ...  
In-Depth-TODAYonline-26 Feb 2018

## Skyfy Technology uses AI to provide last-mile logistics management ...

Enterprise Innovation-8 Jul 2018

Skyfy's entry into last-mile logistics is part of a five-year roadmap it developed under **A\*STAR's Operation and Technology Roadmapping (OTR)**...

## [TODAYonline | A\\*Star expansion to encourage innovation ...](https://www.todayonline.com/.../astar-expansion-encourage-innovation-resourcefulness...)

<https://www.todayonline.com/.../astar-expansion-encourage-innovation-resourcefulness...>

Feb 20, 2017 - **A\*Star** currently works with firms to conduct **operation and technology roadmapping**, to identify how technology can help them innovate and...



(Pics extract from/ courtesy of <https://www.a-star.edu.sg/Collaborate/Programmes-for-SMEs/Operation-Technology-Roadmap>)

<https://www.a-star.edu.sg/Portals/81/Data/Collaborate/smes/Eng%20OTR%20Brochure.pdf>

<https://www.mti.gov.sg/-/media/MTI/COS-2018/Factsheets/Consortium-OTR-MTI-COS-2018-Factsheet---final.pdf>

# OPERATION AND TECHNOLOGY ROADMAPPING GIVES SINGAPORE SMES A STRATEGIC EDGE

Published: 6 May 2008

<https://www.smu.edu.sg/perspectives/2012/06/26/operation-and-technology-roadmapping-gives-singapore-smes-strategic-edge>



## Programme

Time	Event
6.15 PM onwards	Registration and Dinner, Networking
7.00 PM	<b><i>Presentation on A*STAR's OTR (Operation and Technology Roadmapping) Program</i></b> <b>by Mr Jeffrey Pan Seng Peng, Singapore Institute of Manufacturing Technology (SIMTech), A*STAR</b>
10.00 PM	Q&A
10.15 PM	Presentation of Token to Speaker and End of Programme.

## Other Details, Information and Remarks

Contact Person: Mr. Colin Fong

(e): [colin.fong@iesnet.org.sg](mailto:colin.fong@iesnet.org.sg)

(d): +65 6461 1236 (t): + 65 6469 5000

# Reminder(s) will be emailed within 7-working days prior to the Event's commencement date.

# The Institution, Chapter and/ or the Organiser(s) reserves the right to make appropriate changes at its discretion although every effort will be made to inform participants in time.

# Event's duration may excludes registration, meal and/ or break time(s), if any.

# No certificate of attendance will be issued, however, an email will be sent within 7 to 14-working days after the event to certifying your attendance.

# Accreditation of CPD PDU for Professional Engineers Board Singapore (PEB) Professional Engineer (PE)/ Attendee; your Name and Reg. PE Registration Number will be filed to PEB, within 7 to 14-working days after the Event.

# Accreditation of CPD PDU for IES Chartered Engineer/ Attendee; your Name and Reg. C.Eng Registration Number will be filed to IES C.Eng Professional Registry, within 7 to 14-working days after the Event. CPD PDU for IES C.Eng will be duly accredited/ awarded correspondingly/ similarly to those approved/ confirmed by PEB.