

REGISTRATION FORM

2½ Day - RIE2018 Engineering Conference

- Penang, Malaysia

Date : 8 - 10th August 2018

Time : 9.00am to 6.00pm (10th August 2018 - Industrial Visit)

Venue : Grand Ballroom, Gurney Resort Hotel, Gurney Drive, Penang

CPD Point - 19pts

CPD Point - 22pts (MBOT)

CCD Point - pts (CIDB)

We wish to register the following for 'RIE2018 Engineering Conference':

No.	NAMES	H/P Contact	IEM No.	BEM No.	Fees (RM)
1.					
	New IC:				
2.					
	New IC:				
3.					
	New IC:				
4.					
	New IC:				
5.					
	New IC:				

- Enclosed is cheque No. _____ for RM _____ issued in favour of "The Institution of Engineers, Malaysia"

Contact Person : _____

Designation : _____

Signature : _____

Date : _____

- Please forward RIE 2018 Conference payment to:

The Institution of Engineers, Malaysia
(IEM Penang Branch),
1-04-02, E-Gate, Lebuhr Tunku Kudin 2,
11700 Gelugor, Penang, Malaysia.

Tel: +6018-4627577 Fax: +604-2264490
Email: iempenangbranch@gmail.com



RECENT INNOVATIONS IN ENGINEERING (RIE 2018)

The theme of this year's high profile engineering conference organised by The Institution of Engineers, Malaysia (IEM-Penang) is: **'Recent Innovations in Engineering: Towards World-Class Excellence in Industry 4.0, Construction and Sustainability'**. The engineering profession has always been acknowledged worldwide as the foundation in the design, construction and manufacture of various practical structures, devices and processes and is the vital component of any country worldwide striving for industrialised and developed nation status. **With the quantum leap into the era of Industry 4.0 (cyber-physical systems), the engineering profession, industrial and construction sector of Malaysia needs to progress forward quickly via acquiring cutting-edge knowledge, skills and innovative practices to stay competitive** whilst sustaining the growth momentum of the industry towards world-class status in this new dynamic technological era. **Knowledge is the competitive edge to achieve a higher level of professionalism, via Continuous Professional Development (CPD), aimed towards eventually attaining expert status in any engineer's specialised field of interest. World leaders acknowledge that accountability, via quality assurance complemented by further innovations in engineering knowledge, is a great asset in systematic strategic national development all aimed towards maintaining a world-class and progressive industrial sector. The international demand of expert engineers, technologists and scientists will intensify exponentially with the gradual increase in competition and cost optimisation expected in efficient project design and implementation using Industry 4.0 technology worldwide.** Malaysian engineers and the industrial sector need to confidently promote their expertise overseas and actively support the respective industrial development programmes projects of various countries worldwide. This ingenious era of Industry 4.0 is very promising and has opened up unlimited business opportunities in the mobility of engineering expertise within the region and the global community. **This IEM-Penang RIE Engineering Conference series aims to be the de-facto engineering conference for the global community and potential investors (foreign and local) to showcase the latest technological advances and practices to further propel the industrial sector towards another level of world class excellence in the 21st century. The ready availability of world class engineering experts and technical workforce conversant in Industry 4.0's state-of-the-art technological innovations complemented by economic and sustainability savvy aspects would be a great asset to any country** since this precious experienced economic human capital can be easily mobilised anywhere round the world to solve whichever impending engineering challenges. **RIE 2018's aspiration is to act as an invaluable platform for all to network, exchange ideas and offer resolutions to further strengthen the prestige of the engineering profession and industrial sector all with one noble voice diligently striving towards further efficient and innovative economic business enhancement and industrial growth worldwide.**



Recent Innovations in Engineering Conference

- towards World-Class Excellence in Industry 4.0, Construction and Sustainability



**8th - 10th August 2018
GURNEY RESORT HOTEL**

**Grand Ballroom, Level 3,
Gurney Drive, Penang, Malaysia**

Organised by:

**The Institution of Engineers, Malaysia
[IEM Penang]**

In Collaboration with

**Technological Association Malaysia
[TAM]**

RECENT INNOVATIONS IN ENGINEERING 2018

Day 1 : 8th August 2018 (Wednesday)

PROGRAMME

Day 2 : 9th August 2018 (Thursday)

8.00am **Conference Registration and Networking**
- Conference Grand Ballroom (Level 3,),
Gurney Resort Hotel, Penang

8.45am **Arrival of VIPs, Guests and Delegates**

9.00am **Arrival of Guests of Honour - VVIP**

9.10am **KEYNOTE ADDRESS IA:**
'Efficient Application of Industry 4.0 in Manufacturing'
- PSDC CEO Muhamed Ali, Penang Skills Development Centre

9.50am **Coffee Break & Technical Networking**

10.20am **KEYNOTE ADDRESS IB:**
'Water Security - The Way Forward'
- CEO Dato' Ir. Jaseni Maidinsa, Pg Water Supply Corp (PBAPP)

11.00am **KEYNOTE ADDRESS IC**
'Strategic Effective Flood Management'
- IEM Past President Dato' Ir. Lim Chow Hock, Institution of Engineers Malaysia

11.40am **Paper 1: 'Internet of Things (IoT) - When Things Come Together'**
- Associate Dean Ir. Dr. J.G.Khor, Nottingham University Malaysia

12.20pm **Paper 2: 'Additive Manufacturing/ 3D Printing Technology'**
- Senior Engineer Ir. Tok Chye Hock, P+Z Engineering GmbH Subsidiary of ARRK Corporation

1.00pm **Lunch Break & Technical Networking**

2.00pm **Opening Ceremony**

2.30pm **Paper 3: 'Cybersecurity and Emerging Risks'**
- Chief Technology Officer Alan Yau, SysArmy

3.10pm **Q & A Technical Session (Paper 1, 2 & 3)**

3.30pm **Coffee Break & Technical Networking**

4.00pm **Paper 4: 'Augmented Reality in Manufacturing Industries'**
- Managing Director Afdzal Nazri, Advanced Binary Networks

4.40pm **Paper 5: 'Smart Manufacturing - Characteristics & Technologies'**
- Expert Consultant Cheng Boon seng, Elliance

5.20pm **Q & A Technical Session**
End of Day 1

9.00am **KEYNOTE ADDRESS IIA:**
'Application of Industry 4.0 in Construction Industry'
- CIDB Penang State Director Mohammad Faizal, Construction Indus. Dev. Bd.

9.40am **Paper 6: 'Strategic Industry 4.0 Initiatives towards Education Excellence'**
- Dato' Professor Ir. Dr. Eric Goh, Universiti Sains Malaysia

10.20am **Q & A Technical Session**

10.40am **Coffee Break & Technical Networking**

11.20am **Paper 7: 'Sustainable Occupational Safety and Health'**
- Penang State Director Ir. Mohd. Rosdee Yaacob, Dept. of Occupational Safety

12.00pm **Paper 8: 'Innovative Drone Technology - Data Collection and Analysis'**
- CEO Jin Xi Cheong, Paladrone Solutions

12.20pm **Q & A Technical Session**

12.40pm **Lunch Break & Technical Networking**

2.00pm **Paper 9: 'Smart Medical Facilities'**
- CEO Ronald Koh, Penang Adventist Hospital

2.40pm **Paper 10: 'Autonomous Vehicle Technology - Solution towards ASEAN's Future Mode of Transportation'**
- General Manager Lee Chong Jin, Autoliv Hirotako

3.20pm **Paper 11: 'Online Preventive Maintenance'**
- Penang Branch Manager Ir. Zahir Mohd. Shaffy, Mitsubishi Elevator (Malaysia)

3.40pm **Coffee Break & Technical Networking**

4.10pm **Q & A Technical Session**

4.50am **Paper 12: 'Economic Supply Chain Management'**
- Senior Manager Dr. Erxleben Maria, Robert Bosch (Malaysia)

5.30pm **Q & A Session, Closing Ceremony and Conference Certificate Presentation**

Day 3 : 10th August 2018 (Friday)

8.30am - 1pm

1. **Technical Visit** to: Penang Skills Development Centre/ Industrial Tech. Site
2. **Technical Visit** to: IKEA BATU KAWAN Construction Site

REGISTRATION FEES

	Early Registration (special rate)	Late Registration (after 10 th July 2018)
IEM Members or Government Officers	RM 450	RM 550
Non-IEM Members	RM 600	RM 700
Senior IEM Members	RM 300	RM 400
International Delegates/ Participants	USD 200 (equivalent)	USD 250 (equivalent)

- Gurney Resort Hotel, the official hotel of 'RIE2018 Engineering Conference', offers Special room rates for all participants. Kindly make your own reservations, stating "RIE2018 Conference special rates", at:

GURNEY RESORT HOTEL,
18, Persiaran Gurney (Gurney Drive),
10250 Penang, Malaysia

Tel: 04 - 370 7000 Fax : 04 - 370 4000

Rates: 1. **Studio Suite** (room/night + 2 breakfast).....RM200
2. **Two-Bedroom Suite** (room/night + 4bkf).....RM384
[Free parking and Bathroom with jacuzzi]

- **Special Early Conference Registration Rates are offered** for fully paid conference registration **before 10th July 2018**

Replacements

Replacements are allowed if the originally registered participant cannot attend the Conference due to unforeseen circumstances

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- General Manager Lee Chong Jin, Autoliv Hirotako

3.20pm **Paper 11: "Excellence in Industry 4.0 Business and Technical Presentation"**
- Dato' Professor Ir. Dr. Eric Goh, Universiti Sains Malaysia

4.00pm **Coffee Break & Technical Networking**

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