REGISTRATION FORM

4-DAYS WORKSHOP ON "ADVANCED COMPOSITES AND ITS MANUFACTURING"
10th April 2017 – 13th April 2017
Fax: 03-7957 7678 Email: shahrul@iem.org.my

Registration Fee (SUBJECT TO 6% GST)		
	ONLINE (RM)	NORMAL (RM)
IEM Members	850.00	900.00
Non-IEM Members	950.00	1000.00
**GST is implemented effective from 1st April 2015*		

No	Name(s)	Membership No.	Grade	Fee (RM)*
			SUB TOTAL	
			ADD 6% GST	
			Total Payable	

PAYMENT DETAILS :

☐ Cash RM _____

☐ Cheque no._____for the amount of RM_____(non refundable) and made payable to "**THE INSTITUTION OF ENGINEERS, MALAYSIA**" and crossed '**A/C Payee Only**".

FULL PAYMENT must be settled before commencement of the seminar, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE the closing date**. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

Contact Person: _____ Designation:_____

Name of Organization: _____

Address: _____

_____

Telephone No.: _____ (O) _____ (Fax)

_____ (H) _____ (HP)

Email: _____

_____ _____
Signature & Stamp Date

For further details, kindly contact:
The Institution of Engineers, Malaysia
Bangunan Ingenieur, Lots 60/62, Jalan 52/4, P.O. Box 223 (Jalan Sultan) 46720 Petaling Jaya.
Tel : 603-7968 4001/2 **Fax** : 603-7957 7678 **Email** : shahrul@iem.org.my

4-Days Workshop On Advanced Composites and Its Manufacturing

SPEAKERS:

Ir. Assoc. Prof. Dr. Mohammed Thariq bin Haji Hameed Sultan
Dr. Ahmad Hamdan Ariffin
Dr. Hj. Noorfaizal Yidris
Dr. Norkhairunnisa Mazlan
Dr. Mohamed Jawaid
Dr. Mohamad Ridwan Ishak
Ir. Assoc. Prof. Dr. Faizal Mustapha

Date : **10th April 2017 – 13th April 2017 (Monday & Thursday)**
Venue : **2nd Floor Seminar Room, Faculty of Engineering Universiti Putra Malaysia (UPM), Serdang, Selangor**
Time : **8.30 a.m. – 4.30 p.m.**

BEM Approved CPD/PDP Hours: 24 CPD Hours Ref No: IEM17/HQ/121/W

Closing Date: 6 April 2017
NO online registration will be allowed after the closing date

Jointly Organized by:
Education Engineering Technical Division (E2TD), IEM
Universiti Putra Malaysia (UPM)
Kalasalingam University – KLU, India

DAY 1 – 10 APRIL 2017 (MONDAY)

08:00 – 08:30	***Registration of Participants***
08;30 – 10:30	Introduction on Composite Materials by Ir. Assoc. Prof. Dr. Mohamed Thariq bin Haji Hameed Sultan
10:30 – 11.00	***Break for Morning Refreshment***
11:00 – 13:00	Manufacturing of Composites Materials by Dr. Ahmad Hamdan Ariffin
13:00 – 14:00	***Break for Lunch***
14;00 – 16:00	Introduction of A Computational Approach for the Design of Composite Structures by Dr. Hj. Noorfaizal Yidris

DAY 2 – 11 APRIL 2017 (TUESDAY)

08;30 – 10:30	Nano-Composites by Dr. Norkhairunnisa Mazlan
10:30 – 11.00	***Break for Morning Refreshment***
11:00 – 13:00	Testing on Composite Structure Theory by Dr. Mohammad Jawaid
13:00 – 14:00	***Break for Lunch***
14;00 – 16:00	Natural Fibre Composite : An Overall Review by Dr. Mohamad Ridwan

DAY 3 – 12 APRIL 2017 (WEDNESDAY)

08;30 – 10:30	Fabrication and Testing Workshop
10:30 – 11.00	***Break for Morning Refreshment***
11:00 – 13:00	Fabrication and Testing Workshop
13:00 – 14:00	***Break for Lunch***
14;00 – 16:00	Fabrication and Testing Workshop

DAY 3 – 13 APRIL 2017 (THURSDAY)

08;30 – 10:30	Advance Composite Materials by Ir. Assoc. Prof. Dr. Faizal Mustapha
10:30 – 11.00	***Break for Morning Refreshment***
11:00 – 13:00	Participant's Presentation
13:00 – 14:00	***Break for Lunch***
14;00 – 16:00	Closing Remarks by Ir. Assoc. Prof. Dr, Mohamed Thariq bin Haji Hameed Sultan

ABOUT THE SPEAKERS AND SYNOPSIS OF THEIR PRESENTATIONS

Assoc. Prof. Ir. Dr. Mohamed Thariq Bin Haji Hameed Sultan holds a position as Director of Aerospace Manufacturing Research Centre (AMRC) UPM. He obtains his PhD in Mechanical Engineering from University of Sheffield, United Kingdom in 2011. He was awarded his MSc in Aerospace Engineering from Universiti Putra Malaysia and B. Eng (Hons) in Mechanical Engineering from University Technology Tun Hussien Onn Malaysia. His primary research interest are in structural health monitoring (SHM), damage detection and repairs, impact studies, composite materials, signal processing and instrumentation, and also destructive and non-destructive testing. Dr. Mohamed Thariq is a professional engineer of Board of Engineer Malaysia (BEM) and an associate member of Institute of Mechanical Engineer (AmIMeche). Over the years, he has produced and published over 100 journal articles, conference proceedings and seminar papers in both local and international level. Up to date, he has supervised more than 20 M. Sc and Ph. D students in their researches.

Dr. Ahmad Hamdan bin Ariffin is a Post Doctoral Advisor at Aerospace Manufacturing Research Center (AMRC). He is also a member of Malaysia Society of Structural Health Monitoring, UPM. He obtained his PhD in Aerospace Engineering from Universiti Putra Malaysia in 2015. He was awarded with Master of Engineering Science in Advanced Manufacturing from University of Malaya and did his Bachelor's Degree in Aerospace Engineering in UPM.

His research focuses mainly on turbine blade aerodynamics, structural health monitoring system, biocomposites fabrication, structure vibration, cutting tool technology, and cooling system. He was awarded with Gold Medal for his project, Automatic Thermocyclic Dipping Machine (ATDM) at ITEX 2011. He also has a few consultation works for some significant projects such as Automatic Thermocyclic Dipping Machine for CRADLE fund. He was also a manager at Zecttron Sdn. Bhd., which is a University of Malaya spin-off company.

Dr. Noorfaizal bin Dato' Yidris is a senior lecturer in Department of Aerospace Engineering, UPM. He obtained his PhD in Structural Instability from Loughborough University, UK and Master of Science in Mechanical Engineering (Aeronautics) from UPM. He earned his Bachelor's Degree in Mechanical Engineering (Aeronautics), Universiti Teknologi Malaysia.

His areas of interest includes structural instability of thin-walled metal structural systems, lightweight aerospace and automotive structural components, impact mechanics of metal and composite structures, and last but not least finite element numerical modeling. He is a senior member in Universal Association of Mechanical and Aeronautical Engineers (UAMAE) and a member in International Association of Engineers (IAENG). He has published numerous journals and conference papers mainly on structural stability and finite elements method.

Dr Norkhairunnusa Mazlan earned her Ph. D in Material Engineering from Universiti Sains Malaysia, Penang in 2012. She also received his M. Sc in Material Engineering and B. Tech in Technology Industry from the same university in 2006 and 2005 respectively. Her primary research interest is in the area of nanotechnology (nanomaterials and nanocomposite). Since 2013, she is working with Institute of Tropical Forestry and Forest Product (INTROP) as program leader for biocomposite technology and product design. Dr Norkhairunnisa is an executive member of MyGeopolymer, member of Institute of Materials Malaysia (MIM), member of Malaysian Society for Engineering & Technology (MySET), and member of Malaysia Nanotechnology Association (MNA). To date, she has produced and published and presented many journal articles and conference proceedings in both local and international level.

Dr. Mohammad Jawaid is Senior Research Fellow (Associate Professor), Biocomposite Laboratory, INTROP, Universiti Putra Malaysia, Malaysia. He is also Visiting Prof, King Saud University, Saudi Arabia. Previously he also worked as Visiting Lecturer, UTM, Malaysia. He has a Phd in Polymer Composites from Universiti Sains Malaysia and his research interests include Hybrid Composites, Advance Materials, Nano Composites, Biopolymer. He did his Master's Degree in Wood Science and Technology and also a Bachelor's Science Degree in Forestry from Bihar Agricultural University. He has published over 130 ISI journal papers. 4 Published review paper under Top 25 hot articles. He is Reviewer of several high impact Journals. He has gotten a Sanggar Sanjung Award for Excellent Achievement in Category of Journal Publication for the year 2011.

Dr. Mohamad Ridzwan Ishak is a senior lecturer in the Department of Aerospace Engineering, UPM. He gained his PhD in Materials Engineering and obtained his Master's Degree in Material and Design Engineering both from Universiti Putra Malaysia. He did his Bachelor's Degree in Manufacturing Engineering (Process) in Universiti Teknikal Malaysia Melaka. His areas of interest include natural fibre, biopolymer and biocomposite materials, plastic technology, polymer composite design and testing, composite modifications and properties enhancements, vacuum resin impregnation, and manufacturing process. He is a member in Malaysian Society of Structural Health Monitoring (MSSHM) and Plastic and Rubber Institute of Malaysia (PRIM). He has 45 publications for journals and conference proceedings and has been used as a reference in a few advanced education books.

Assoc. Prof. Ir. Dr. Faizal Mustapha obtained his PhD in Structural Health Monitoring from University of Sheffield, 2006. His Master's Degree was in Intelligent Machinery/Aeronautical System from University of Salford and he earned his Bachelor's Degree in Mechanical Engineering from University of Salford. His areas of interest include damage identification, pattern recognition, multivariate statistics, advanced signal processing, sensor technology, advanced material, and renewable energy. He has quite a few memberships in some prominent engineering organizations such as Professional Engineer in Board of Engineer Malaysia (BEM), President of Malaysian Society of Structural Health Monitoring Malaysia (MSSHM), associate member in Academy Science Malaysia (ASM), and Member Dean of Aerospace Council, Ministry of Education Malaysia (MOE). He has published 132 journals and conference proceedings in the past years. He has obtained 29 research grants for numerous projects focusing on structural health monitoring and composites material.