*Chairman,*
*Information and Communications Technology Special Interest Group,*
*The Institution of Engineers Malaysia,*
*Lots 60 & 62, Jalan 52/4, P.O. Box 223 (Jalan Sultan),*
*46720 Petaling Jaya, Selangor Darul Ehsan*
*Tel: 03-7968 4001/2   Fax to 03-7957 7678*
*Email: amira@iem.org.my  Website: www.myiem.org.my*

## REGISTRATION FORM
**One Day Workshop on "JAVA Programming for Engineers"**
*ORGANISED BY ICTSIG*
**(CLOSING DATE:  20th DECEMBER 2019)**

| No | Name | M'ship No. | Grade | Fee (RM) |
|----|------|-----------|-------|----------|
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  | | **SUB TOTAL** |  |
|  |  | | **ADD SST 6%** |  |
|  |  | | **TOTAL PAYABLE** |  |

Enclosed herewith a crossed cheque No: _____for the sum of RM _____ issued in favour of "**The Institution of Engineers, Malaysia**" and crossed 'A/C payee only'. I/We understand that the fee is not refundable if I/We withdraw after my/our application is accepted by the Organising Committee as stated in the **cancellation term**. If I/We fail to attend the seminar, the paid registration fee will not be refunded.

Contact Person: _____ Designation:_____

Name of Organization: _____

Address: _____

_____

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

_____ (H)  _____ (HP)

Email: _____

_____                    _____
         Signature & Stamp                                                          Date

**photocopies are acceptable**

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**21st DECEMBER 2019**
**(SATURDAY)**

## One Day Workshop on
## "JAVA Programming for Engineers"

*Organised by*
*Information and Communications Technology Special Interest Group (ICTSIG), IEM*

| | |
|---|---|
| **Venue** | : IEM Maker Space Room, Ground Floor  Wisma IEM, Petaling Jaya, Selangor |
| **Time** | : 9.00 am - 5.00 pm |
| **Speaker** | : Ir. Daniel Pu Chuan Hsian |
| | ***Participants to bring own laptops*** |

**BEM Approved CPD/PDP: 6.5   Ref. No: IEM19/HQ/570/W**

**REGISTRATION FEES** *(SST shall be at 6% with effect from 1 March 2019)*

| | ONLINE | NORMAL (OFFLINE) |
|---|--------|------------------|
| **IEM Student Member** | RM 100.00 | RM 150.00 |
| **IEM Graduate Member** | RM 350.00 | RM 400.00 |
| **IEM Corporate Member** | RM 350.00 | RM 400.00 |
| **Non IEM Member** | RM 700.00 | RM 800.00 |

**IMPORTANT NOTES**

- **Closing Date:  20 DECEMBER 2019 (TUESDAY)**
- For ONLINE REGISTRATION, **payment** MUST BE MADE VIA ONLINE PAYMENT **[via RHB Now and Maybank2u - Personal Saving & Personal Current; Any Credit Card - Visa/Master].** If payment is not received within the stipulated time, the registration fee will automatically be reverted to the normal fee.
- Payment via **CASH/CHEQUE/BANK-IN TRANSMISSION/BANK DRAFT/MONEY ORDER/ POSTAL ORDER/LOU/LOG/WALK –IN** will be considered as **NORMAL REGISTRATION**
- **FULL PAYMENT must be settled before commencement of the event**, 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. IEM reserve the right to reject any LOU/LOG not in accordance with these instructions.
- The Organising Committee reserves the right to alter or change the programme due to unforeseen circumstances.

*"IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion'. For intending participants who choose to 'walk in without prior registration', IEM SHALL NOT be responsible for any direct or consequential losses".*

## SYNOPSIS

The Java Programming Language lies at the core of many large scale business applications – especially business-to-business commercial systems that fuel the advancement of the digital economy. In addition, the portable and easy-to-learn natures in Java programming make it attractive programming language for a wide array of portable electronics, such as from smartphones (Android, BlackBerry and Samsung) to embedded systems in consumer products and industry's applications. Briefly, Java programming language is a high level, robust, secured and object-oriented programming (OOP) language.

**This workshop will give participants insight and hand-on experience on writing and developing Java program with proper syntax and do & don't guidance from the engineering perspectives in software development. Participants will also learn how to build a standalone Java application, learn it's logical and data flows, and eventually able to design and develop your own Java application after finishing the workshop.**

## BENEFITS

**This workshop will provide hands-on training on Java programming. The participants will experience a real-world application development process. The immediate benefits are as follows:**

- ✓ **Able to start off to write your first Java program.**
- ✓ **Understand the principles, advantages of using Java programming.**
- ✓ **Using the right tools for editing and compiling your Java program.**
- ✓ **Master the use of object-oriented programming (OOP) approach making your program more readable and reusable.**
- ✓ **Able to debug your Java program with the correct techniques and tools.**
- ✓ **Can develop your own Java application for engineering applications.**

**It is strongly recommended that each participant brings his/her own laptop to the workshop with Eclipse or Notepad ++ and JDK J2EE pre-installed.**

**https://www.eclipse.org/downloads/**
**https://notepad-plus-plus.org/downloads/**
**https://www.oracle.com/technetwork/java/javase/downloads/index.html#JDK11**

## ABOUT SPEAKER

### Ir. Daniel Pu Chuan Hsian

He is a Professional Engineer of BEM, an APEC & IntPE (MY), ASEAN Engineer, MIEM and a Professional Technologist of MBOT. He had obtained Master of Engineering in Telecommunication from Multimedia University, 2005, B.Eng. Electronics and Computing from Nottingham Trent University, UK, 2001. He is currently working as a Senior Engineer in Information Security Lab of MIMOS Berhad (National ICT research centre). He is responsible for developing web-based applications for information security systems using Java programming.

Before joining MIMOS Berhad, Ir. Daniel was an experienced lecturer in Taylor's University, Malaysia. He taught computer programming and fundamental engineering courses in the university for many years. In total, he has accumulated more than 18 years of experience in software development and teaching computer programming. Furthermore, he is also an active member of ICTSIG (Information and Communications Technology Special Interest Group) of IEM.

## TENTATIVE PROGRAMME

| TIME | PARTICULARS |
|------|-------------|
| *08:30 – 09:00* | *Registration* |
| 09:00 – 10:15 | Introduction to Java programming, advantages, basic syntax, variable declaration, arithmetic operations and class fundamentals. |
| *10:00– 10:45* | *Tea Break* |
| 10:45 – 11:15 | Editing, and compile your first Java program. Understanding the conditional statement, loop and function and able to use it to develop a Java program. |
| 11:15 – 12:30 | Understanding package, class, constructor, object and method and write a program using class. |
| *12:30– 13:30* | *Lunch* |
| 13:30– 15:15 | Introducing advanced data structures and object-oriented programming approach. |
| *15:15– 15:45* | *Tea Break* |
| 15:45– 16:30 | Write and develop your own Java application. |
| 16:30– 17:00 | Q & A and End of Session |

*\* IEM reserves the right to postpone, reschedule, allocate or cancel the course.*