

Talk on "PYTHON"

- The Language of Science and Engineering for Engineers

Organised by Information and Communications Technology Special Interest Group, IEM

BEM Approved CPD/PDP Hours: 2 Ref No.: IEM16/HQ/489/T

Day/Date: 18 November 2016, Friday
Time: 5.30 pm – 7.30 pm (*Refreshments will be served at 5.00 pm*)
Venue: Wisma IEM, C&S Lecture Room and TUS Lecture Room, Second Floor, Petaling Jaya
Speaker: Mr. Boey Pak Cheong

SYNOPSIS

Python is a powerful, yet easy to learn, and excellent language that meets the modern-day computational needs of scientists, engineers and data analysts. It is seen as alternative to the traditional C, C++, FORTRAN as well as MATLAB, OCTAVE and other mathematical packages.

"For over 20 years, Python has been used successfully throughout the world as a programming language in industry, in the service sector, and also in research and science to meet a wide range of different requirements. In this time, the language has changed many things. The Python programming language is easy to learn. It has blurred the boundaries between users and developers. Increasing numbers of scientists, engineers, financial experts and others with little programming experience are using Python to solve specific complex technical problems." - *Python Brochure from the official Python Website.*

This talk is aimed at giving scientists and engineers, who are new to Python, a broad perspective of what Python is, why it is important to learn it and how it can help you in solving/visualization of your engineering and scientific tasks and problems. A brief overview is given of the core language features and the essential third party Python libraries for scientific and engineering computing, such as NumPy, matplotlib, Pandas, and SciPy.

BIODATA OF SPEAKER

Boey Pak Cheong graduated from Universiti Malaya in 1973 with a B. Sc. (Hons) in Chemical Technology but became keenly interested and actively involved in computer programming from the late 1980s onwards. He pioneered the usage of Python in Malaysia since 1995 and has more than 20 years experience in software development using various programming languages (including Python, C, PHP, Javascript, HTML, CSS2, LaTeX) in the Windows and Linux operating systems, with 19 years experience in using the Python language in a production environment.

Since 2006, he has conducted professional training courses in Python programming at the introductory, intermediate and advanced levels for several leading multinational companies in Malaysia, including Intel, F-Secure, CGI, Experian, MIMOS and SMART Modular Technologies amongst many others. He also conducts courses for the Django Web Development Framework, Linux and Tcl/Tk. Besides training, he also provides technical consultancy services for Python and Django. He also speaks frequently about Python, most recently at the MiniPyCon 2014 and 2015 in Kuala Lumpur and at the Institution of Engineers, Malaysia.

Currently he operates Pytech Resources which specializes in Python and Django training and consultancy and software development. He has previously worked in technical and management positions with British Petroleum, IIT and Alcatel and also attended a senior management training program at the London Business School, UK.

He created the software for a leading e-commerce website using Python that dynamically generates comprehensive pdf reports either in English or Chinese and continues active development of new products for this website. But today Boey is primarily focused on teaching Python and Django and providing consultancy services thereof.

Ir. Chai Chen Sing

Chairman,

Information and Communications Technology Special Interest Group, IEM

ANNOUNCEMENTS TO NOTE:

- Preferential admission to talk shall be accorded to IEM members (pre-registration and online registration are NOT required). Telephone and/or fax reservation will NOT be entertained.
- **Non members may also attend the talk but will need to pay a registration fee of RM50 and an administrative fee of RM15. GST is inclusive.**
- **For members of affiliated organisations, there will be no registration fee payable. However, they are requested to produce their membership card as proof of membership. For the list of affiliated organisations, please refer to IEM website at www.myiem.org.my under International/MoU.**
- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- IEM members are required to produce membership cards for confirmation of attendance (CPD purpose).
- Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.
- **IEM members who fail to produce their membership cards will be charged a fee of RM25.00. GST is inclusive.**

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- The fee would be used to cover overhead costs, building maintenance expenses as well as contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

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