INTRODUCTION TO MATLAB PROGRAMMING: A HANDS-ON APPROACH

DATE: 14 April 2016 (Thursday)
VENUE: Bilik 2, Pusat IT, PTAR 1, UiTM, Shah Alam.
TIME: 8.00am – 5.00pm

Please register online at: http://goo.gl/forms/gkj2vIYsrS
For enquiry, please contact 03-5522 5333

NOTE: For those who have registered, but do not attend the workshop will be asked to write a show cause letter. Those who fail to do that will be barred from attending the future workshop.

Course Outline
1. Getting Started
   Matlab Desktop
   Typing in the Command Window
2. MATLAB Basics
   Input and Output, Arithmetic
   Symbolic Expressions, Variable Precision, and Exact
   Arithmetic, Vectors and Matrices
   Suppressing Output
   Built-in Functions
   User-Defined Functions
   Variables and Assignments
   Solving Equations
   Graphics, Graphing with ezplot
   Modifying Graphs
   Graphing with plot
   Plotting Multiple Curves
3. Interacting with MATLAB
   M-Files, Script M-Files
   Function M-Files
   Loops
   The Workspace
   The Working Directory
4. MATLAB Programming
   Branching
   Branching with if
   Logical Expressions
   Branching with switch
   More about Loops, Open-Ended Loops
   Breaking from a Loop
   Subfunctions
   Commands for Parsing Input and Output
   Evaluation
   User Input and Screen Output

The Presenter
Associate Prof. Dr. Ramlil Adnan received his Ph.D in the field of Control System from Universiti Kebangsaan Malaysia (UKM), Bangi in 2007. He received his B.Sc. in Electrical Engineering from South Dakota State University, USA in 1985 and M.Sc. in Electrical Engineering from Drexel University, Philadelphia, USA in 1993. He has been working as Lecturer at UiTM since 1986. During his working years as Lecturer, he has holding the post of Diploma Head of Program and Chair of Centre for System Engineering Studies. His research interest is in Real-Time Control, Zero-Phase Error Tracking Control, Adaptive Control, Kalman’s Filter and System Identification. Currently, he is supervising M.Sc. and Ph.D. students in Control System area where Matlab and Simulink are intensely used. His experience in using Matlab begins in 1991 while doing his M.Sc. in Drexel University. Until now, he is still using Matlab and Simulink in his research and teaching.

Organised by INSTITUTE of GRADUATE STUDIES, UiTM