

# SCILAB Applications Workshop 2012

28 November 2012

Universiti Kebangsaan Malaysia

## Scilab Applications Workshop

Hands-on Applications Workshop with SCILAB

### About the Workshop

In this workshop, participants will understand how they can benefit in using SCILAB on various applications. Get hold of information on SCILAB 5.4.0 and experience for yourself on how to tackle issues of science and engineering through working examples. Self experience this from our speakers & presenters in Signal Processing, Control Systems, Image Processing and User Interface.

This 1-day workshop is dedicated to all staffs, researchers, post graduate students and students of Universiti Kebangsaan Malaysia and made possible with the collaboration between Trity Technologies and Pusat Teknologi Maklumat, UKM.

Participants to the workshop in general are expected to have some prior experience in computer programming (e.g. C, MATLAB, SCILAB) and domain knowledge in the applications area. We will illustrate the ease of use of SCILAB in the specified application areas.

### The Organizer

**Trity Technologies**, is an exclusive partner for Scilab Online Support (SOS) in the ASEAN region. We are a premier provider of technology products and has extensive experience in providing Scilab training and deploying Scilab solutions to leading government research centers, government agencies and multinational corporations and academic institutions.



### SCILAB Applications Workshop

9.00am to 12.30pm

Signal Processing with SCILAB

- *Polynomials in Scilab*
- *Signals in Scilab*
- *Fast Fourier Transform (FFT)*
- *Filtering in Scilab*

Control System with SCILAB

- *Control System Representation in Scilab*
- *System Identification - Data Driven Modeling*
- *Controller Design and Simulation*
- *From Concept to implementation*

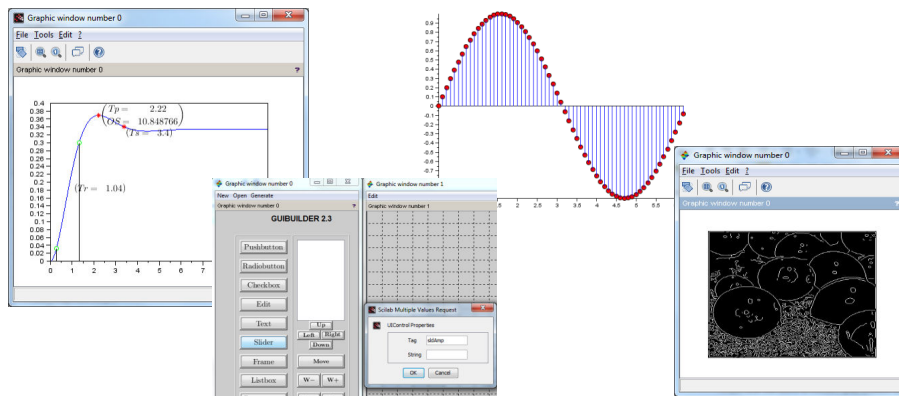
2.00pm—5.00pm

Image Processing with SCILAB

- *Image representation in Scilab*
- *Converting from RGB to Gray and Binary image*
- *Convolution and Correlation* ⇨ *Image filtering and Template matching*
- *Morphological Operation on Image*

GUI with SCILAB

- *Building GUI with Scilab and guibuilder*
- *A simple "Hello World" program*
- *A function plotter GUI with Scilab*



### REGISTRATION FORM

Fax to 03-80637736 or email tina@tritytech.com

**TERMS & CONDITIONS** Submission of the Registration Form must be accompanied by cheque made payable to **TRITY TECHNOLOGIES SDN BHD** or cash by depositing to our **CIMB Bank Current Account No: 1276-000-172-0058**. Please fax deposit details together with your name and contact number. A confirmation notification with details of the event will be issued to all participants at a nearer date. You will be eligible for a full refund if a notice of cancellation is sent 4 weeks prior to the commencement of the course to the Organizer. For cancellation of less than 4 weeks, no refund will be made; however a substitute is permitted. Confirmed participant who fail to attend the course is liable to pay the registration fee in FULL. While changes in course date, venue, time, trainers and fee can occur from time to time, the **Organizer reserves the right to reschedule/cancel the course and/or amend any of information in this brochure** at the Organizer's absolute discretion. In any circumstances, the Organizer's liability is limited only to the refund of paid registration fee. Registration fee is inclusive of participation at the event and refreshments.

Name: Dr/Mr/Mrs/Ms \_\_\_\_\_

(Please provide full name. A Certificate of Participation may be issued based on this name)

Job Designation: \_\_\_\_\_

Department: \_\_\_\_\_

Organization/Company: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Postcode: \_\_\_\_\_

Email: \_\_\_\_\_ Mobile No: \_\_\_\_\_

Office Telephone: \_\_\_\_\_ Office Fax: \_\_\_\_\_

### SCILAB Applications Workshop 2012 (UKM)

28 November 2012 (1-day)

9.00am to 5.00pm

Computer Laboratory, Pusat Teknologi Maklumat (PTM)  
Kompleks Tun Abdullah Mohd Salleh (KTAMS)  
Universiti Kebangsaan Malaysia, UKM Bangi

**Workshop Fee: RM 600 per person**

**Method of Payment:**  Cheque No: \_\_\_\_\_ / Cash Deposit\*

\* Please fax supporting documents for our record

Local Order

I hereby confirm my registration fee of RM \_\_\_\_\_ and declare that I have read & understood the above terms and conditions.

**SIGN HERE**

**Stamp Here**

Authorized Signature  
Name: \_\_\_\_\_

Organization Stamp  
Date: \_\_\_\_\_

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