

# Seminar on : Real-Time Control Solutions

Expanding on Teaching and Research Capabilities through GoogolTech Platform

The world is in motion. A robot transporting delicate silicon wafers during semiconductor processing, a large telescope automatically tracking star position, an automatic sewing arm that precisely stitches quilts, steering control of an autonomous vehicle that tracks position targets from a GPS; the applications are endless.

While the applications are varied, what they have in common is that they require precise and automatic real-time control solution. At the heart of each application is a motion control system, which includes an intelligent motion controller. It is the job of the controller to make sure the mechanical devices get to the right place at the right time. How can a motion controller handle such varying loads and varying types of motion?



Join us in this seminar to uncover how GOOGOLTECH's Solutions in providing state of the art teaching and research platforms as well as further collaborating with researchers in commercializing novel technologies.

The presentation will be followed by live demonstration of selected key experiments and will allow direct interaction and a better feel on the capabilities of these solutions platforms. The Demo component will cover experiments varying from an introductory to controls such as Single axis Servo Control System to more complex XY Tables and applied control in vision systems, magnetic Levitation, 2-stages inverted pendulum and more.

## Event Details:

Date : Tues, 28<sup>th</sup> October 2008  
Time : 09.00 AM – 1.00 PM  
Venue : Dewan Kuliah, level 1,  
Faculty of Engineering  
and Built Environment,  
Universiti Kebangsaan Malaysia  
43600 UKM Bangi, Selangor.  
Contact :  
chinluh@solutions4u-asia.com or  
darrentan@solutions4u-asia.com

## Seminar Agenda:

0900 ~ 0945 : Overview of  
Solutions in Control Application

0945 ~ 1045 :  
Cross Application & Multiple Platform  
support in Education Trainer Kit.

1045 ~ 1100 : Break

1100 ~ 1130 : User Stories  
R & D Platform—Self Balancing Robot

1130 ~ 1200 :  
Industrial Application, Flexible Manu-  
facturing System & Motion Controller.

## Whom should attend :

Those who are interested in Control Teaching and Research, Automations Control, Robotics & Mechatronics, Flexible Manufacturing and Automatic Logistic Systems, Real-Time Implementation & Connecting Computer to their own design Control Plants.

Please REGISTER Me for the Real Time Control Solution Seminar :

### Participant Information:

Name: Dr/ Mr/ Mrs/ Ms \_\_\_\_\_  
(As in identity card or passport. Please underline your surname)

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

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

Organization: \_\_\_\_\_

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

\_\_\_\_\_

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

Email: \_\_\_\_\_ Handphone: \_\_\_\_\_

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

Please fax or send this registration form to seminar@solutions4u-asia.com at Solutions 4U Sdn Bhd,  
36-1 Plaza Puchong, Jalan Puchong Mesra 1 58200 Kuala Lumpur, Malaysia. Tel: (603) 8071 1300 Fax: (603) 8071 1400

I would like to recommend a colleague /  
friend to receive this seminar invitation.

Name: \_\_\_\_\_

E-mail: \_\_\_\_\_

Name: \_\_\_\_\_

E-mail: \_\_\_\_\_

I am interested on the following teaching  
and research arena:

- Robotics Solutions
- Mechatronics Solutions
- Automation Control Solutions
- Mechanical Engineering Solutions
- Motion Control Solutions
- FMS Manufacturing Automations
- Advanced Logistics Systems
- Others : \_\_\_\_\_

In collaboration with :  Googol  
Technology



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