IVAT

INSTITUT VOLTAN & ARUS TINGGI

Institute of High Voltage & High Current

TWO-DAY HANDS ON COURSE ON COMSOL MULTIPHYSICS

14-15 NOVEMBER 2016

at

IVAT
(P06, FKE)
UNIVERSITI TEKNOLOGI MALAYSIA
JOHOR BAHRU

Organized by

INSTITUTE OF HIGH VOLTAGE AND HIGH CURRENT (IVAT)

Universiti Teknologi Malaysia
Skudai, Johor

OBJECTIVES

A two-day short course gets you started with modeling using COMSOL Multiphysics. The information and skills in this course are specific to provide the participants to using COMSOL Multiphysics. Instructions how to use COMSOL in general and advanced options are included in this course. COMSOL Multiphysics provides a complete and integrated environment for physics modeling and simulation as well as application design, providing you with the tools necessary to build a user-friendly interface for your models.

TOPICS

- Introduction
- Creating model
- Complex geometry
- Material library
- Livelink-Autocad
- Livelink-Matlab
- Advanced topics
  - Parallel Computing
  - Parametric Sweeps

INTENDED AUDIENCE

The course is intended for any engineer and researcher intending to improve their simulation skills in COMSOL. It will be also of value to those who wish to acquire, modernize and supplement their knowledge on various aspects of Electrical, Mechanical, Chemical and Civil simulations as well inter-coupling between these various fields.

THE COURSE SCHEDULE

Day 1 (14.11.2016)

8:30 am - 9:00 am	:	Registration
9:00 am - 10:00 am	:	Introduction
10:00 am - 10:30 am	:	Tea Break
10:30 am - 12:40 pm	:	Creating a model
12:40 pm - 01:30 pm	:	Lunch Break
01:30 pm - 04:30 pm	:	Hands-on session
04:30 pm -	:	Tea Break

Day 2 (15.11.2016)

8:30 am - 9:00 am	:	Material Library
9:00 am - 10:00 am	:	Livelink-AutoCad
10:00 am - 10:30 am	:	Tea Break
10:30 am - 12:40 pm	:	Livelink-Matlab
12:40 pm - 01:30 pm	:	Lunch Break
01:30 pm - 04:30 pm	:	Advanced Topics
04:30 pm -	:	Tea Break

COURSE OUTCOMES

At the end of the course, the participants are able to:

1. Create and modify models
2. Study models and produce results
3. Utilize advanced study options
4. Utilise Livelink-Matlab
5. Utilise Livelink-Autocad

OFFICIAL LANGUAGE

The course will be conducted in English.

INSTRUCTOR

Mohammed Imran Mousa received B.Sc. degree in Electrical Power Engineering from Al-Furat Al-Awsat Technical University, Babil, Iraq, in 2010, M.E. degree in Electrical Engineering from the Universiti Teknologi Malaysia, Johor, Malaysia, in 2014, and is currently pursuing the Ph.D. degree in Electrical Engineering at the Institute of High Voltage and High Current (IVAT), Faculty of Electrical Engineering, Universiti Teknologi Malaysia. His research interests include high voltage engineering, power system transient simulation, and lightning phenomena.

REGISTRATION DETAILS

Fee: The participation fee is **RM750** per person (for IVAT's member) and **RM1000** per person (for non-IVAT's member) which includes course materials, lunches, refreshments and Certificate of Attendance.

Number of Participants: Participation is limited. Basis of acceptance is on first come first serve.

Method of Payment:

1. Bank transfer to CIMB Account No. 8006053536 and send us a copy of the payment slip.

2. Crossed cheque in local currency payable to "BENDAHARI, UNIVERSITI TEKNOLOGI MALAYSIA".

CLOSING DATES

Registration forms should be received by the organizer latest by **10th November 2016.**

ENQUIRIES

All enquiries and correspondence should be addressed to:-

Secretariat
Two-day Hands on Course On Comsol Multiphysics
Inst. of High Current and High Voltage (IVAT)
Universiti Teknologi Malaysia
81310 UTM Skudai, Johor Bahru, Johor.

Tel 07-5535615 (Pn. Norhidayu or Pn. Elliana)
Fax (07) 5578150
E-mail: hidayu@utm.my

REGISTRATION FORM

(Please photocopy this form if additional copies is required)

Secretariat,
Two-day Hands on Course On Comsol Multiphysics
IVAT
Universiti Teknologi Malaysia
81310 UTM Skudai, Johor Bahru, Johor.

Please register the following person/s for the above mentioned course:

1. Mr/Ms.....
   Designation:.....
2. Mr/Ms.....
   Designation:.....
3. Mr/Ms.....
   Designation.....

Organization:.....

Address:.....

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Tel. No. : ..... Fax No:.....

Enclosed Cheque/Payment Slip No:.....

Amount RM.....

Manager/Contact Person:

Name:Mr/Ms.....

Designation:.....