



A Basic Training Program on EMTP-RV 3.5 and Advance Training Insulation Coordination Analysis

19 – 21 March, 2019

Shangri-La Hotel, Kuala Lumpur (Tentatively)

Course objective:

The objective of this training to get familiar with the usage of EMT-type software and the study of power-system transients. How to model power-systems, what scenarios to run and how to interpret and verify results are as many questions that will be addressed. The software EMTP is used for demonstrating concepts and teaching through practical cases. Prior experience with EMTP is not required.

Each participant will have to bring a personal computer. EMTP-RV temporary licenses will be provided for the duration of the course.

Hotel: Shangri-La Hotel, Kuala Lumpur (Tentatively)

All travel and hotel arrangements are the responsibility of the attendee.

Date: 19 - 21 March, 2019

Time: 09:00 a.m. – 5.00 p.m.

Fee: US\$ 1,350.00 / per person

- 1/. Fee does not include lodging, transportation and Malaysia Government Tax.
- 2/. Fee include light breakfast snacks, tea-breaks & lunch (19 - 21, March 2019).
- 2/. Courses are limited to 15 participants. So please register early!
- 3/. Payment in full must be received 21 days prior to start date of course.

Information / Registration:

Cahaya Jaya Services

No. 37, Jalan Pemimpin
#07-07 MAPEX Building
Singapore 577177

Tel: (65) 64814106

Fax: (65) 64814609

Email: robin@cjaya.com; cahayaj6@singnet.com.sg

Website: www.cjaya.com

Person contact: Robin Goh

Topics:

Day 1:

- Presentation of EMTP-RV
- General introduction
- Introduction to the Graphical User Interface EMTPWorks
- How to simulate a simple circuit?
- Introduction to Scopeview & MPLOT
- Practical exercises
- Sub-circuit creation and hierarchical designs
 - User defined blocks and library
- Simulation options
 - Load-Flow solution
 - Steady-state solution
 - Time domain analysis
 - Frequency scan

Day 2: Introduction to EMTP-RV models and application

- Transformer
 - Transformer energization
- Line and cable
 - Line energization analysis
- Rotating machines
 - Synchronous generator
 - Exciter & Governor modelling IEEE 421.5-2005
 - Induction motor starting analysis
- Relay models
- Renewable energy system
- Practical examples

Day 3: Insulation Coordination studies

- Switching Transients
 - Statistical analysis
 - Switching cases
 - Selection of BSL based on IEC 60071-1
- Lightning Transients
 - Modelling of system
 - Study of Back flash over analysis
 - Study of shielding failure analysis
 - Selection of BIL based on IEC 60071-1

Registration Form

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Please complete a registration form with payment to Cahaya Jaya Services to confirm registration. Reservations are taken on a first come, first serve basis. Submitting this form electronically does NOT confirm your reservation. Contact robin@cjaya.com if you have any questions.

Name _____
Position _____
Company _____
Address _____
Phone _____ Fax _____
E-mail _____

Payment:

Payment methods available:

- Cheques should be crossed and made payable to 'Cahaya Jaya Services' (only Singapore attendee)
- via telegraphic transfer (for Oversea attendee)
- Visa, MasterCard (add on 4% administration fee)

Remark:

1. A confirmation letter will be sent to you upon receipt of the enrolment form and payment 21 days prior to the course date.
2. Any cancellation must be in writing and received by 14 days prior to the course date. Otherwise the full fee will be chargeable.
3. Cahaya Jaya Services reserves the right to reschedule, change venue or cancel the course due to unforeseen circumstances.
4. Course fee does not include lodging, transportation and taxes.

Note: For group registration, please photocopy this form for submission.

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