



ETAP Dynamic and Transient Analysis (Advanced)

15 – 18 June, 2020 – Singapore

(Orchard Hotel Singapore)

Benefits to attend the training course

This special 4 days training course reviews basic and important principles of synchronous machines, generator controls, their roles in power system operation and effect to system transient and stability, in depth while using a plain power engineer language. The most dominating equations and rules for power system dynamics and transient stability, including torque equation, swing equation, power transferring capability curves and equal area criteria are studied and discussed. In combination with informative and lectures, attendees to the workshop will have plenty of time to hands-on experience by using ETAP Transient Stability Analysis program on thoughtfully prepared and selected sample systems and study cases to enhance the theoretical understanding to power system dynamics and transient phenomena, as well as to learn everything that is needed to perform transient stability studies-from data entry, to create study scenarios, to run studies and to analysis simulation results.

Each participant is provided a computer with ETAP software loaded for use during the class time. Training will be handed by ETAP instructor with practical experience.





Morning Session

Afternoon Session

Day 1	<ul style="list-style-type: none"> ➤ Introduction to Transient Stability 	<ul style="list-style-type: none"> ➤ System Stability Studies
Day 2	<ul style="list-style-type: none"> ➤ Generation Plant Stability Studies 	<ul style="list-style-type: none"> ➤ Intelligent Load Shedding ➤ Bus (Load) Transferring Study
Day 3	<ul style="list-style-type: none"> ➤ Renewable Energy System Transient ➤ Transmission System Stability 	<ul style="list-style-type: none"> ➤ Fundamentals of UDM Excitation systems ➤ Creating UDM exciters and PSS
Day 4	<ul style="list-style-type: none"> ➤ Fundamentals of governor Systems ➤ Creating UDM Governor/Prime Movers ➤ User-Defined Dynamic Load Models 	<ul style="list-style-type: none"> ➤ Dynamics Parameter Estimation & Tuning (generators) ➤ Machine Parameter Estimation & Tuning (asynchronous motors)

www.etap.com

Hotel: Orchard Hotel Singapore <http://www.orchardhotel.com.sg>

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

The Instructor: (Albert Marroquin, ETAP USA)

Course Fee:

USD 2,800.00 / per person

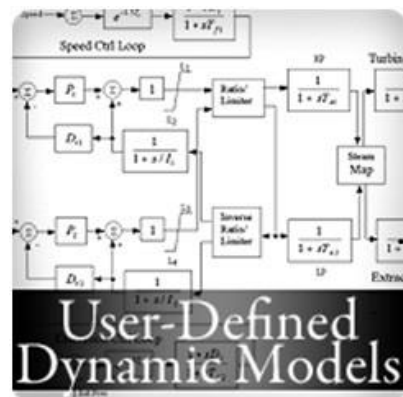
- 1/. Fee does not include lodging, transportation and Singapore Government Tax.
- 2/. Fee include light breakfast snacks, tea-breaks & lunch (15 - 18 June, 2020).
- 3/. Course is limited to 15 participants. So please register early!
- 4/. Payment in full must be received Three weeks prior to start date of course.

Time: 09:00 a.m. – 17:00 p.m.

Information / Registration:

Cahaya Jaya Services

37 Jalan Pemimpin
 #07-07 MAPEX Building
 Singapore 577177
 Tel: (65) 64814106
 Fax: (65) 64814609
 Email: robin@cjaya.com
 Website: www.cjaya.com





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:

- Cheque should be crossed and made payable to 'Cahaya Jaya Services' (for local 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.
2. Any cancellation must be in writing and received by 21 days prior to the course date. Otherwise the full fee will be chargeable. Cahaya Jaya Services reserves the right to reschedule, change venue or cancel the course due to unforeseen circumstances.
3. Course fee does not include lodging, transportation and taxes.

By registering for the Cahaya Jaya Services ("ETAP") training, attending the training or making any use whatsoever of the material provided by Cahaya Jaya Services the participant or user of material acknowledges that the information and materials presented in the course of the training are for information purposes only. Examples and data used in the seminar as just that, examples, that are being used to help the participants in gaining a knowledge of product, materials and services available to the participants. Otherwise, ETAP makes no representation or warranties of any kind, express or implied, as to the information, content, materials, included. All title and intellectual property rights remain those of the respective content owner and any intellectual property protected by laws and treaties, without grant or rights to use, and not to copy or print.

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