

## Analysis and Protection of Industrial Power Systems

26 – 28 September 2006



### OBJECTIVE

This three-day seminar aims to familiarize engineers with the system studies and relaying practices including unit protection of cable feeders and ground fault detection used on industrial electric power distribution systems. Step-by-step of system studies and guidelines to data collection will be presented. Evaluation of fault currents will be discussed. Selection of time-current characteristics, protection, selectivity and the calculations of relay settings are illustrated with extensive use of in-class curve drawing exercises. The course also covers practices in testing and commissioning of protective gear, as well as the important issues on electrical safety for operational personnel.

### WHO SHOULD ATTEND?

This seminar is recommended for personnel working in electric power utilization, in connection with design, installation, operation, or maintenance of relevant power apparatus.

### COURSE INSTRUCTOR:

A/Prof. David Chan

### LOCATION:

Menara Peninsula Hotel - Jakarta

### FEE:

**US\$. 990-00** per person

*Fee does not include lodging, transportation and taxes.*

### REGISTRATION :



### **PT. CAHAYA SUKSES**

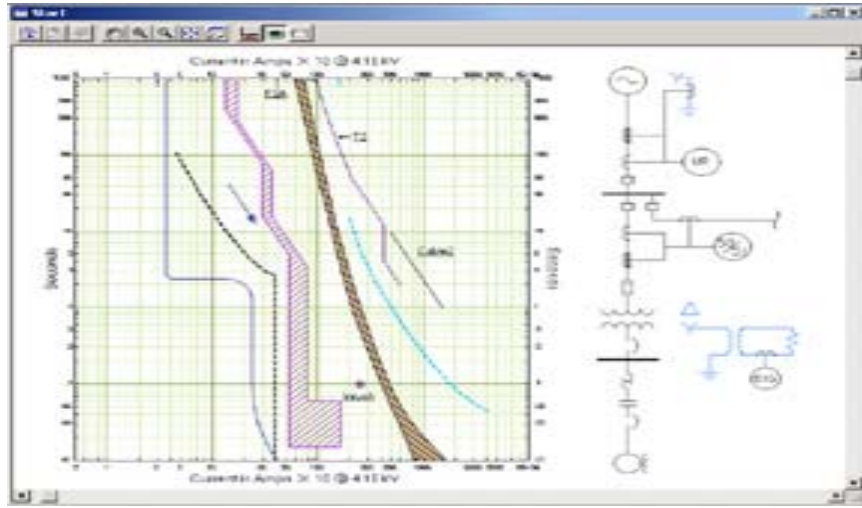
PO BOX. 1252 Jakarta 12012 Indonesia

**Contact :** Moh. Hudri / Narti

E-mail : [cahayas@cbn.net.id](mailto:cahayas@cbn.net.id) or [csukses@centrin.net.id](mailto:csukses@centrin.net.id)

Tel. (021) 7889 3712 / 3 Fax. (021) 560 1496

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### Course Schedule

Day	Time	Topic/Activities
DAY 1	09.00am – 10.15am	<ul style="list-style-type: none"> <li>Review of System Studies and Equipment Data Collection</li> </ul>
	10.15am – 10.30am	<i>Tea Break</i>
	10.30am – 12.00noon	<ul style="list-style-type: none"> <li>Fault Analysis</li> </ul>
	12.00noon – 01.30pm	<i>Lunch Break</i>
	01.30pm – 03.15pm	<ul style="list-style-type: none"> <li>Theory and Application of Instrument Transformers</li> </ul>
	03.15pm – 03.30pm	<i>Tea Break</i>
	03.30pm – 05.00pm	<ul style="list-style-type: none"> <li>Protection Fundamentals and Coordination Studies</li> </ul>
DAY 2	09.00am – 10.15am	<ul style="list-style-type: none"> <li>Unit Protection of Distribution Feeders</li> </ul>
	10.15am – 10.30am	<i>Tea Break</i>
	10.30am – 12.00noon	<ul style="list-style-type: none"> <li>Grounding and Ground Fault Protection</li> </ul>
	12.00noon – 01.30pm	<i>Lunch Break</i>
	01.30pm – 03.15pm	<ul style="list-style-type: none"> <li>Testing and Commissioning</li> </ul>
	03.15pm – 03.30pm	<i>Tea Break</i>
	03.30pm – 05.00pm	<ul style="list-style-type: none"> <li>Safety Practices and Considerations</li> </ul>
DAY 3	Hands-on Workshop	

# Registration Form

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Please complete a registration with payment to **PT. CAHAYA SUKSES** to confirm registration. Reservations are taken on a first come, first serve basis. Submitting this form electronically does NOT confirm your reservation. Contact [cahayas@cbn.net.id](mailto:cahayas@cbn.net.id) or [csukses@centrin.net.id](mailto:csukses@centrin.net.id) if you have any questions.

Name \_\_\_\_\_

Position \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

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

( ) Enclosed is my cheque no. \_\_\_\_\_ crossed & made payable to :  
**PT. Cahaya Sukses**

**Remark:**

1. A confirmation letter will be sent to you upon receipt of the enrollment form.
2. Any cancellation must be in writing and received by 14 days prior to the course date. Otherwise the full fee will be chargeable. PT. Cahaya Sukses 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.

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