

Four-Day National Workshop

on

Advanced Power System

Protection

25th to 28th MAY 2005



Power & Energy Development Centre

A non-profit centre for excellence

Registration No: BSG-4-00165-2004-05 Dated 02-09-2004

Flat 201, Vasanth Villas, 23, Sri Mallikarjuna Temple Street,
Basavanagudi, Bangalore 560 004 India

Tele Fax : 91 80 2652 0045 Email: pedc@vsnl.net

Date, Time & Venue

Date: The workshop will be held on
25th to 28th May, 2005.

Timing: 9.00 AM to 5.00 PM

Venue: Hotel Atria
1, Palace Road,
Bangalore- 560 001.

Registration

Please send the completed registration form attached with the brochure, to register for the workshop, accompanied by the prescribed fee to:

The Trustee,
Power & Energy Development Centre
Flat 201, Vasanth Villas,
23, M.T. Street, Basavanagudi
Bangalore- 560 004.

Faculty

The faculty for the workshop comprise of experts, who have contributed significantly in this field.

Program Directors:

Mr. S. Balaveerasena, C.E (Rtd), KPTCL

Fee

Non-Residential: Rs. 8,000/-

The amount may be paid in cash or by Demand Draft in favour of Power & Energy Development Centre payable at Bangalore

Call for advertisement

The interested organisations are requested to send their advertisement well in advance along with the prescribed fee as mentioned under, for insertion in the workshop proceedings:

Back cover page (Multi-color)...Rs. 3,000/-
Cover page inside (B & W).....Rs. 2,500/-
Inside Full-page (Multi-color)....Rs. 2,000/-
Inside Half page (B & W).....Rs. 1,000/-

Colour printing will be done only for full-page advertisement. For colour printing, 20% extra, per colour, will be charged.

Registration Form

Kindly register the following delegates for the Three-day workshop on Advanced Power System Protection being conducted by PEDC on 25th to 28th May, 2005.

| | |
|--------------------------------------|--|
| Name(s) & Designation | |
| Organisation | |
| Complete Address of the organisation | |
| Phone | |
| Fax | |
| E-mail | |

Demand Draft No. _____
dated _____ for Rs _____ drawn
in favour of **POWER & ENERGY
DEVELOPMENT CENTRE** payable at
Bangalore is enclosed along with.

Date: _____ Signature _____

Introduction

Protection of power systems requires an understanding of system faults and their detection, as well as their safe disconnection. This course presents a comprehensive and systematic description of the concepts and principles of operation and application of protection schemes for various power system elements. The course begins with an overview of power system faults, short circuit calculations, components of power system protection schemes, as well as a full session on microprocessor-based relays and their application.

This course deals with protection systems from a practical perspective, and includes important functional aspects such as testing and coordination of protection systems.

Objectives

- Enhance your knowledge of basic electrical system protection techniques including fault analysis
- Further your understanding of protective devices
- Understand problems generally faced and solutions successfully adopted by industry
- Learn to calculate the basic fault currents flowing in any part of the electrical system
- Improve your electrical system protection against faults and over voltages

Workshop Outline

- Power System Faults & Fault Studies
- Short Circuit Theory
- Components of Power System Protection Schemes
- Current Transformers & Voltage transformers
- Co-ordination of Electrical Protection Systems
- Feeder Over current Protection
- Transformer Protection
- Numerical Relays
- Integrated Protection, Control & Monitoring
- Intelligent Electronic Devices in system protection
- Software Architecture and performance characteristics of numerical relays.

Who should attend?

Electric utility engineers, consultants and others involved in the selection and coordination of over current protective devices in power system. Facilities engineers engaged in the selection of devices for protecting small power transformers, as well as the coordination of those devices with both source-side and load-side protective devices, will also benefit from the seminar.

About

Power & Energy Development Centre

PEDC is a registered non-profit trust promoting excellence and continuous improvement in the chosen field of Energy, Environment, Quality and Maintenance catering to ever growing needs of all Industries, Power Generating companies and Power Utilities. This will be done through Training programs, Workshops, Seminars and sustainable solutions

PEDC will undertake the above-mentioned programs and sustainable solutions for the benefit of all Technical institutions (Engineering Colleges), all Industries, Power Utilities & Power Generating companies. The Sustainable solutions include Energy & Environment Management, Water Management, Quality Management, Financial Management, Manufacturing Management, Maintenance Management, Materials Management and Human Resources Development.

PEDC is a platform for intellectuals & experts and will to a large extent mitigate the existing problems. PEDC Panel of Advisors & Experts, are Academicians & Researchers and Experts from Manufacturing companies and Utilities, all working together to provide a sustainable solution.