

5th International Conference Power System Protection and Automation

1-2 December 2010, New Delhi, India

Organizer

Central Board of Irrigation & Power



Co-organizer

Doble Engineering Company



ANNOUNCEMENT

The Central Board of Irrigation & Power, New Delhi is organizing 5th International Conference on “Power System Protection and Automation” in 1-2 December 2010 at New Delhi, India.

AIM OF THE CONFERENCE

International Conference on Power System Protection and Automation aims to provide excellent opportunities for the participants to share knowledge, experience and new ideas in the areas of power system protection and automation and to discuss their implementation and applications to the existing and network of future smart grid.

SCOPE OF THE CONFERENCE

The topics of interest are given below:

1. Protection and Monitoring of Main Plants and Transmission Circuits

- i) Innovative Protection Schemes for Generators, Transformers Shunt reactors and Shunt capacitors
- ii) New trends in busbar protections
- iii) Protection of transmission lines and coordination of transmission system protection
- iv) Protection of hybrid line /cable
- v) Protection of Series Compensated Lines and Banks
- vi) Detection of High Resistance Earth Faults in Transmission System

- vii) Protection & control of FACT devices and impact on protection system
- viii) Impact of HVDC transmission system on existing protection system
- ix) Adaptive Protection of Power System Elements, Basic Needs and Benefits
- x) Philosophy and Application of Primary and Back-up Protection

2. Conventional Instrument Transformers and Novel Sensors

- (i) Specifying Conventional Current and Voltage Transformer requirements for line and equipment protections.
- (ii) Applications of Optical Sensors for Digital Protection Relays and Metering
- (iii) Controlling Saturation in CT for Line Protection with High Speed Autoreclosing

3. Substation Automation and Remote Control

- i) Current and Future Trends of IT in Substation Control, Protection and Automation including network of future smart grid

- ii) Guidelines for Specification and Evaluation of Substation Automation Projects based on IEC 61850
- iii) Experiences and benefits with Substation Automation Projects based on IEC 61850
- iv) Impact of process bus IEC 61850-9-2 on protection and automation
- v) Use of RTU/BCU in Substation Automation and Control
- vi) Acceptable functional integration in Substation protection & automation systems
- vii) Life cycle management of protection & control system

4. Monitoring, Metering, Recording and Overall Power System Protection

- i) System wide Protection Policies and Co-ordination Problems
- ii) Disturbance Recording, Fault Location and Analysis
- iii) Metering Management inside the Substation
- iv) Impact of renewable energy sources and new generation on protection and automation of substations
- v) Wide area monitoring, control and protection technologies including PMUs
- vi) Performance of protection systems during stressed conditions

5. Asset and Information Management, Maintenance, Training and Education

- i) Review of Performance of Protection and Control System through Analysis of Collected Data
- ii) Protocol of Information Management and Data Collection for the Power System for Country Wide Application
- iii) Diagnostic Testing, Maintenance and Setting of Numerical Relays and Control System
- iv) Designing Appropriate Training and Educational Programs for Digital Protection and Electronic Control
- v) Criteria for Refurbishment of Protection and Control System
- vi) Innovations in Power System Simulators and Testing Techniques
- vii) Protection, control and monitoring tools used in modern IEDs
- viii) Innovations in asset management, tools and techniques

6. Case Studies on Protection Performance and Analysis

- i) Faults in Generating Units, Transformers, Bus-bars and Shunt Reactors
- ii) Transmission Line Faults, Unsuccessful High Speed Autoreclosures
- iii) System Black-outs, Grid Collapses and System Restoration
- iv) Case History of Grid Failures in Developed World

WHO SHOULD ATTEND

Senior Officers of Power Utilities/Corporations, State Govt./SEBs, Nodal Agencies, Energy Planners, Private Entrepreneurs, Manufacturers, Development Consultants, Research/Academic Institutions, Construction Companies and Financial Institutions, etc.

CALL FOR PAPERS

Authors who wish to contribute a paper related to the above mentioned topic are requested to send an abstract of 500-1000 words.

It will be understood as conditions of acceptance of papers that the author/one of the authors in the case of multiple authors of the papers will attend the conference for interaction with the participants.

CUT OFF DATES

All abstracts must reach by 15th August 2010.

Abstract should contain:

- 1 A descriptive title
- 1 The name(s) and affiliations(s) of the author(s)

- 1 The address for correspondence (including e-mail, telephone and fax numbers)
- 1 The text must include introduction (Objective), methods, results and conclusions

EXPERT LECTURE

Eminent experts both at National and International level are being invited for Keynote/Theme/Special lectures.

TUTORIALS

To avail the benefit of presence of experts from India & abroad at the above conference, Tutorials are also being planned for two days on 29-30 November 2010 at Conference Hall of Central Board of Irrigation & Power, Malcha Marg, Chanakyapuri, New Delhi preceding this International Conference. Experts from M/s. Doble Engg., USA, have already confirmed to depute experts as faculty for this tutorial.

Registration

The registration fee payable by the delegates, including authors of papers, for participation in the Conference is as follows:

Amount payable by		
SAARC countries in Rs.	Other in US Dollar	Accompanying persons
10,000	400	250

The registration fee covers the cost of registration kit, Conference proceedings and lunch & tea in-between technical sessions. The participants will have to make their own arrangements for travel, boarding and lodging.

An accompanying person are wife/son/daughter or either an immediate relative or one normally residing with the participant.

Fee once paid will not be refunded normally. In exceptional cases, if a registrant is unable to attend the event and claims refund by 30th September 2010, fee will be refunded after deducting a service charge of 25 per cent. After this date, no request for refund will be entertained.

SPONSORSHIP OPPORTUNITIES

The Conference provides an effective opportunity for sponsoring companies to promote their products/services to a focused audience, besides networking with engineers of utility, manufacturers and academic institutions during tea/coffee and lunch intervals. Sponsors are assured of full visibility with printing of their names on proceedings, banners and other publicity material related to Conference and will have the privilege of distribution of their product's pamphlets/catalogues during the Conference. Sponsors will also have the privilege of sending delegates exempted from payment of registration fee as indicated hereunder:

Category	Fee	Delegates free	Free editorial in the proceedings
Co-organiser	Rs. 5,00,000	5	5 pages
Sponsor	Rs. 3,00,000	3	3 pages
Co-sponsor	Rs. 1,00,000	2	2 pages

For further details, please contact the Conference Secretariat.

CALL FOR ADVERTISEMENTS

A limited space for insertion of advertisements in the Conference proceedings is available at the following rates:

Position	SAARC countries (Indian Rs.)	Other countries (US\$)
Back cover page	50,000	1000
Second or third cover page	40,000	750
Full page (20 cm x 10 cm)	30,000	600

Note: Material required: Artwork/negative/positive with back up on CD/floppy

The last date for receipt of advertisements is 30th September 2010.

Payment

Registration /Sponsorship/ Advertisements

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Telephone; 41680133-34-35

9-digit code number of the bank and branch; 110229052

Account type; Special Savings Account

Account No. ; 034601000738

Note: No other method of payments is acceptable. Bank charges, if any must be borne by the participants and should not be deducted from the amount remitted to the organizer.

DATES AND VENUE:

The Conference will be held on 1-2 December 2010 at New Delhi. Venue is yet to be finalized.

CLIMATE:

The maximum temperature at Delhi in the second and third week of December ranges from 20-23°C and minimum temperature from 4-7°C. Relative humidity maximum 55-60% and minimum 12-14%.

INDIA — THE HOST COUNTRY:

India's ancient culture, rich heritage and living tradition of performing arts can provide conferences with quality. Its numerous art forms including folk dances, each with its own individual identity can be lively relaxation after hectic business sessions. It would set any participant on a new mission of discovery of India's sights and sounds.

NEW DELHI - THE HOST CITY

The Capital City of modern India has behind it centuries of history, which has enriched its culture. Broad tree-lined avenues and vistas suddenly give in to narrow alleys of cobble stones - taking you to an age of kings, princes, valour and bravery. Small shops huddled together, groan under the burden of age; small “dhabas” (roadside restaurants) selling freshly prepared delicacies; a wonderful collection of curious, handicrafts, jewels and jewellery. All within a few meters of fast-food restaurants serving everything from pizzas and hamburgers to colas and lemonades; glitzy shopping plazas; air-conditioned designer boutiques. This reflects the true spirit of New Delhi. Delhi is one of the world's best shopping centers. From handicrafts and antiques to all modern utilities — Delhi's shopping centers offer you everything under the sun. Delhi has all the modern facilities for hosting Conferences. It has a number of good hotels, which offer the best of the two worlds - international luxury combined with oriental hospitality.

CONFERENCE SECRETARIAT

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