

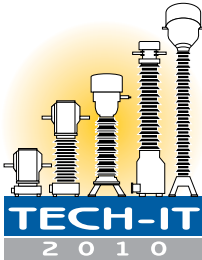
Call for Papers



**Second International Conference on
Instrument Transformers**

21st & 22nd January 2010, Mumbai, India

'Emerging Trends in Instrument Transformers'



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The Instrument Transformers Division of IEEMA (Indian Electrical & Electronics Manufacturers' Association) takes this opportunity to announce Second International Conference on Instrument Transformers, to take place on 21st and 22nd January 2010 at Mumbai, India.

The very first TECH-IT 2006 was a great success due to overwhelming response of the industry experts and professionals from India and also from overseas countries. Since this debut one-day conference was a great success, IEEMA Instrument Transformers Division takes pleasure and pride to organise second TECH-IT 2010 conference for two days.

This two-day conference will provide common platform to manufacturers, R&D experts, users to come together and share emerging trends in technologies and other issues related to maintenance, applications and proper selection of Instrument Transformers.

THEME

'Emerging Trends in Instrument Transformers'

OBJECTIVE

The Instrument transformer plays an elemental and essential role in the electrical protection and metering system. As the end user requires to be precise for both metering and protection, proper selection of the Instrument Transformer plays a vital role avoiding 'over-specification'.

Technology advances all the time, bringing in user friendly and modern equipments. The more advanced the technology, the more precise equipment is. The use of modern technology is not only limited to manufacturing processes alone, but also in testing, installation/commissioning practices, applications etc.

The main objective of this conference is to discuss various issues related to above theme. The conference also expects to receive and discuss views of the Users regarding their expectations of performance of instrument transformer and the extent to which these expectations are met by the manufacturers.

TOPICS

Papers are invited for the subjects based on following topics:

1. Emerging Technologies

- ◆ Development of UHV (1200 KV) instrument transformers
- ◆ New insulating materials
- ◆ HV insulation systems
- ◆ Unconventional high voltage measuring & sensing systems
- ◆ Optical CTs and PTs
- ◆ Use of composite insulators for explosion proof CT requirement
- ◆ Current OIP insulation system & new insulation system like SF₆ gas

2. Selection & Specifications

- ◆ Emerging trends in power system requirements
- ◆ Selection of ratios/VA burden/ratings/STCs and other parameters for instrument transformers
- ◆ Selection for transient performance

3. Design/Processing/Manufacturing

- ◆ Development trends in EHV & UHV instrument transformers
- ◆ Consideration of reliability, safety, and environment issues
- ◆ Techniques of hermetic sealing
- ◆ Use of magnetic material like Nickel-Iron, Nano-Crystalline metal
- ◆ PTs/CVTs for EHV class
- ◆ Product life enhancement techniques
- ◆ New developments in processing techniques

4. Testing

- ◆ Accelerated ageing test
- ◆ Non-destructive tests - Tan δ and partial discharge etc.
- ◆ Material characteristic testing of composite insulators
- ◆ Thermal stability/temperature coefficient test for CT
- ◆ Multiple chopped impulse test

5. Erection/Commissioning/Site Testing

- ◆ Standardisation of terminations/terminal connectors
- ◆ Proper erection & commissioning practices and tests
- ◆ On-site calibration of instrument transformers
- ◆ Preservation/storage procedures & guidelines

6. Condition Monitoring – online/offline

- ◆ Infrared scanning
- ◆ Capacitance and Tan delta measurement
- ◆ PD measurement
- ◆ Secondary voltage measurement for CVTs
- ◆ DGA and other parameters of oil
- ◆ Magnetization characteristics
- ◆ Residual life assessment

7. Failure & Failure Analysis

- ◆ Case studies
- ◆ Improvements undertaken based on failure investigations
- ◆ Site repairs/re-conditioning
- ◆ Failure of PTs due to ferroresonance /case studies

CALL FOR PAPERS

Papers for presentation at the Conference are invited on the topics mentioned above and should relate to recent trends and technology practices in Instrument Transformer industry, Utilities and Test Laboratories, their design features, applications, quality aspects, etc.

Authors are requested to submit synopses (upto 500 words) of papers to IEEMA Secretariat on TECH-IT website, for approval of conference scrutiny committee.

Last date of receipt of Synopses : 15th June 2009
Notification of acceptance of Synopses : 15th July 2009
Last date of submission of Papers : 15th September 2009

Detailed guidelines for maintaining uniformity of the papers will be supplied along with the acceptance letter by the IEEMA Secretariat. The final papers will be scrutinized by Conference Scrutiny Committee for acceptance for presentation in the Conference.

The official language of the Conference is English.

PLEASE NOTE

The papers to be presented in the Conference should not be presented in any other conference or published in any journal in India. The authors need to give declaration to this effect. The authors/co-authors are required to present the papers at the Conference. The authors/co-authors, other than the author presenting a paper, will require to register as delegates by paying the delegate fee, so as to participate in the Conference. Atleast one author in case of multi authors has to register and be present at the Conference.

TECH-IT 2010 ON WEB

TECH-IT 2010 will have its website www.techit.ieema.org which will also have a link on IEEMA website. The authors can submit their synopses on this website.

Steps for Submission

- 1) Please click on “submit your synopsis”
- 2) Please enter Primary password: TECHIT2010 (case sensitive)

AWARDS

To motivate the participation of quality papers and further value addition to the Conference, it is proposed to acknowledge three best papers by giving them cash awards.

IEEMA

IEEMA is the representative national organization of manufacturers of electrical, industrial electronics and allied equipment, founded in 1948. IEEMA undertakes various activities, major ones being dissemination of information such as production statistics, government policy changes; representing the industry's views to the government; evolving price variation clauses covering a wide range of products and evolving of industry standards; training etc.

IEEMA has taken important initiatives like International Cooperation, Export Promotion, Energy Conservation, Promotion of “Made in India” brand, Quality to promote the industry. It is the first ISO certified Association in India, which has taken the latest initiative of SME focus.

IEEMA is working with Ministry of Power for the Power Development and Reforms Programmes. IEEMA publishes a trade journal every month, IEEMA Journal, which covers techno commercial aspects of the industry. IEEMA provides a forum for discussion on technical and commercial matters. Through all its unique activities, IEEMA has become face of the electrical and industrial electronics industry.

ELECRAMA- 2010

ELECRAMA is the largest international exhibition of its kind in Asia, Africa and Middle East, which presents a panorama of Indian Electrical, Electronics and Allied products. This prestigious event organized by IEEMA every two years, is the UFI approved event.

ELECRAMA-2010 will be held from 20-24 January 2010 at NSE Complex, Goregaon, Mumbai, India. This exhibition will showcase strength of electrical & electronics industry by displaying the products, technologies and services.

Since TECH-IT 2010 will be held concurrent with ELECRAMA 2010, authors/ delegates will have golden opportunity to visit this world-class exhibition and get the feel of best B2B exhibition in this industry sector.



Organisers



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