



"आंतरिक चाप - कारण एवं प्रभाव: एक विहंगम दृश्य"
थीम के साथ

ARCON2024

पर दो दिवसीय राष्ट्रीय सम्मेलन
18-19 जनवरी 2024

Two Days National Conference on

ARCON2024

with the theme

"Internal Arc - Causes and Effects: A Panoramic View"
18-19 January 2024



आयोजक

उच्च शक्ति प्रयोगशाला (एचपीएल),
लघु परिपथ प्रयोगशाला (एससीएल), बेंगलूरु
और स्विचगियर परीक्षण एवं विकास केंद्र (एसटीडीएस), भोपाल
फ़ोन: +91-(080)-2207 2527/2513/2512
ई-मेल: hpl1@cpri.in, वेबसाइट: www.cpri.res.in

Organized by

High Power Laboratory (HPL), Short circuit laboratory (SCL) Bengaluru and
Switchgear Testing & Development Station (STDS), Bhopal
Phone: +91-(080)-2207 2527/2513/2512
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About the Conference

The phenomenon of electric arc is ubiquitous in all equipment. With ferocious energy, it can cause massive destruction. Arc testing is becoming an important part of the design validation for many equipment. With many short circuit testing facilities, Central Power Research Institute has played pioneering role in executing arc tests as well as the development of associated standards and procedures. ARCON aims to become the premier forum for all topics related to arc testing in the country. The first edition of ARCON in 2024 comes with a broad theme to set the ball rolling.

Topics Covered

- ◆ Arc Physics
- ◆ Internal Arc In-detail
- ◆ Arc Proof Design & Mitigation Techniques
- ◆ Significance of Internal Testing
- ◆ Design Methodologies & Possible Consequences
- ◆ Arcing Evaluation of Alternative Insulation Media
- ◆ Internal Arc Test on
 - ◆ LT and HT Metal-enclosed Switchgear and Control gear
 - ◆ Ring main Unit
 - ◆ Gas Insulated Substation
 - ◆ Instrument Transformer
 - ◆ Pre-fabricated substation
 - ◆ Terminal box etc.
- ◆ Latest Updates In standards and test methods

ARCON 2024

Who can attend?

- ◆ Engineers and professionals engaged in manufacturing of electrical power equipment
- ◆ Officials from all central and state utilities
- ◆ Scientists and students from academia
- ◆ Power equipment inspecting authorities and executives of power sector infrastructure development entities
- ◆ Power system Operation Engineers
- ◆ Electrical maintenance engineers/staff/executives

Venue

Silver Jubilee Auditorium, CPRI, Bengaluru, CPRI is approximately at a distance of 30 km from Airport and 8 km from City Railway Station. CPRI is located on Prof. Sir C.V. Raman Road, joining Indian Institute of Science & Mehri Circle.

Travel & accommodation

CPRI guest house accommodation available on chargeable basis, subject to availability on first come first serve basis. The request for accommodation may please be sent well in advance to avoid last minute rush. Participants have to make their own travel arrangements.

Registration Fee

Registration form, a part of this brochure, complete in all respects shall be sent to program coordinator along with the registration fee on or before 05 January 2024.

Payment shall be made to CPRI only through the following link.

https://cpri.res.in/online-testing/pay_online

Following are the option available under the above link to make the payment.

Internet Banking / Credit card / IMPS / NEFT / SBI Branch Payment

Acceptance or rejection of any delegate is at the sole discretion of CPRI.

Delegate Fee

Manufacturers*	INR 10000/- + 18% GST
Electricity Boards/Utilities	INR 7000/- + 18% GST
Faculty members of Educational Institutions	INR 7000/- + 18% GST
Students of Educational Institutions	INR 5000/- + 18% GST

*A Group discount of 10% for minimum 3 participants and 20% discount for 4 or more participants applicable only for Manufacturers. Above charges, include conference materials, kit, lunch, etc.

Call for Papers

Authors are invited to submit soft copy (only in .docx) of the full length paper strictly as per the following format:

Paper size : A4,
No. of pages : Maximum 8 pages including tables & figures,
Column Double with 0.5 inch spacing between the columns, font Arial 11,
Single spacing with name, organization, telephone, and email address by 05 January 2024

Selected Technical papers shall be considered for Inclusion in CPRI Journal.

Sponsorships

Sponsors and co-sponsors shall give full details of all the participants in the accompanying format.

PS: Participants can also register through email, addressed to the program coordinators. Kindly use separate form for each participant; downloaded/photocopies of the registration form is acceptable.

Details of sponsorship & privileges

Category	*Amount in INR	No. of delegates	Advertorial pages
Platinum	5,00,000/-	8	4
Gold	2,50,000/-	4	2
Silver	1,00,000/-	2	1

* Inclusive of GST

The name & logo of Platinum, Gold & Silver sponsoring organizations will be included in the proceedings and venue of the conference.

CPRI Profile

Central Power Research Institute (CPRI) set up in 1960 by the Government of India, functions as a National organization for applied research in power sector and also serves as an independent laboratory for testing and certification of power equipment. The laboratories are accredited as per ISO 17025 standards. CPRI is a member of STL (Short Circuit Testing Liaison) of Europe. CPRI also provides consultancy services on various facets of power sector. CPRI has expertise in the area of simulation, diagnostics, system analysis and testing. CPRI laboratories have modern equipment needed for power system simulation, short circuit testing, diagnostics of equipment, materials engineering, Seismic qualification etc. Over the period, CPRI officers have gained lot of practical knowledge concerning to testing and operational problems of the industry. CPRI is a leading provider of training and continuing education to utilities, PSUs, across the country for the past 50 years.

CPRI is continually setting new standards in training and continuing education from basic theoretical information to practical hands-on electrical equipment training. CPRI courses have made a substantial impact on the level of training and education to India's electricity utilities, manufacturing companies, transmission and distribution companies. By upgrading the occupational skills of technical workers, CPRI training courses have improved the career path of many electrical personnel, as well as contributed to an improvement in electricity efficiency. Plant productivity, electrical system reliability and overall competitiveness of Indian industry.

Patron: Shri B A Sawale, Director General, CPRI

Mentors

Shri Sudhakara Reddy S Additional Director HoD-HPL	Shri Swaraj Kumar Das Additional Director HoD-SCL	Mrs. Sumbul Munshi Joint Director (I/c Unit Head), STDS
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