



CABLEWIRE

August 25-26, 2022

Hotel Taj Palace, New Delhi

From Energy to Electricity
CABLING INFRASTRUCTURE FOR
SAFETY AND SUSTAINABILITY



CHARGE
STATION

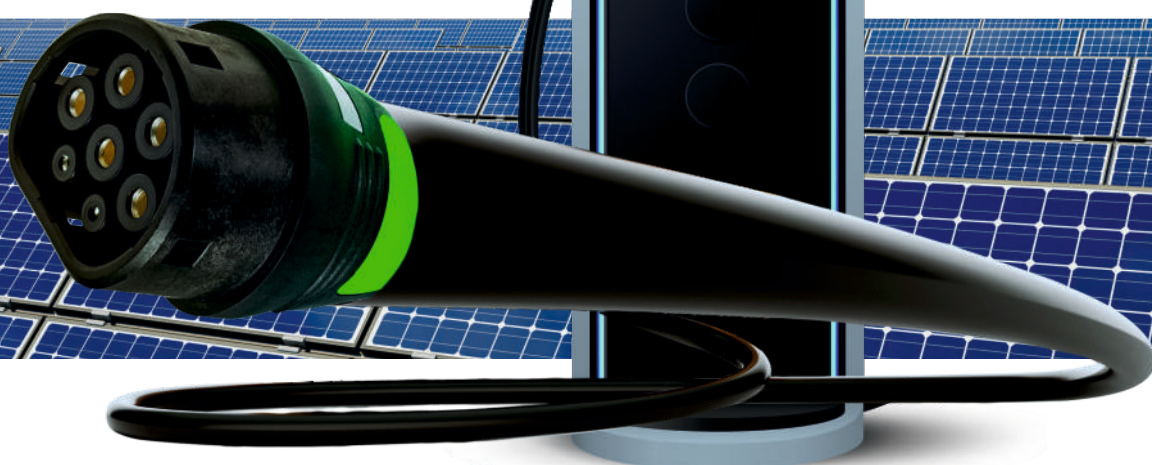
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CALL FOR PAPERS

Innovations & Beyond



9th International Conference and Exhibition on
CABLES, WIRES and ACCESSORIES



PREAMBLE

The world is moving towards infrastructure in a manner where the fulcrum is electricity, and Electricity- in whatever way it is generated, needs to be delivered to the end user.

The words transmission and distribution are now compressed into 1 word- Delivery. Whether delivered from generation stations to distribution points in cities, or from transformers to machines, or to consumers.

Climate changes have forcibly opened our eyes to creating a sustainable world. Whether fossil fuels or solar or green hydrogen or wind- whatever form electricity is generated, there is only 1 way to deliver it- through cables and wires.

With rapid urbanisation, the emphasis shifts to a multi-pronged requirement of sustainability, safety, affordability and availability of electricity. This would mean a paradigm shift in technologies.

Public accessibility to charging points for Electrical Vehicles (EVs), puts a lot of responsibility on Cables and Wires- a need for upgradation of technology intertwined with safety and theft prevention. With electricity now being available to any person who requires it in the common public infrastructure- which was hitherto available only in private domains-

Cablewire 2022 brings to the fore the ideas of experts in the field of Cables and Wires.

- How to make your world a safer place by reducing fire accidents?
- How can we upgrade technology to increase affordability?
- How can the wired world help in drastic reduction of burning fuels, and sustaining the climate?
- How can we help countries in reducing consumption of oils, and sustaining economies in a VUCA world?

ENGAGE WITH US AND PARTNER IN ACHIEVING SAFETY WITH SUSTAINABILITY FOR NEXT GENERATIONS!!!

CABLEWIRE 2022

IEEMA conducts "CableWire", an International Technical Conference & Exhibition on Cables, Wires, Accessories & Allied industry once every four years. CableWire offers an international platform for presentation of new ideas and developments, technical discussions with peers, showcase of new products & solutions and first-hand access to knowledge and trends of technology developments in Cables & Wires industry around the globe. CableWire conference has gained wide acceptance globally since its inception in 1983 and has established itself as an influential and recognized international event.

The 8th edition of CABLEWIRE was held in 2018 on the theme of "Powering innovation through safe and efficient transportation of Electricity" and was attended by more than 300 delegates from 150+ organizations from 12 countries. Shortlisted Domestic & international technical papers were presented over two days.



9th edition of International Conference & Exhibition on Cables, Wires & Accessories “CABLEWIRE 2022” to be held on **25th & 26th August 2022 at Hotel Taj Palace, New Delhi, India**

The Conference theme is **“Innovations & Beyond”** highlighting evolving trends from Energy to Electricity with focus on Cabling Infrastructure.



CALL FOR PAPER

Papers are invited on topic pertaining to the aim and scope of the Conference that includes but not limited to, the following:



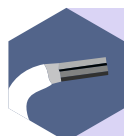
Innovations in Materials and characterisation for AC and DC application



Emerging Trends & technology advancement in HV & EHV Cable systems



New trends in LV and MV Cable Systems



HVDC Cable Systems



Diagnosis, Preventive/ Condition based Maintenance, Remaining Life Estimation and Management



Standardization, Testing methods: Cables & Accessories, Electrical and non-electrical



Special Cables for industrial application



Cables, Environment and Sustainable Development



Superconducting Cables for the Future



Fire Safety Cables & Wires

1. Innovations in Materials and Characterisation for AC and DC Application

- Materials characterization: electric, physical and chemical
- New materials for cables and accessories
- Nanotechnologies: nanotubes, Nano-filled polymers
- Biomaterials and environment-friendly materials
- Different material characteristic for AC & DC application
- New materials, environmentally oriented designs

2. Emerging Trends & Technology Advancement in HV & EHV Cable Systems

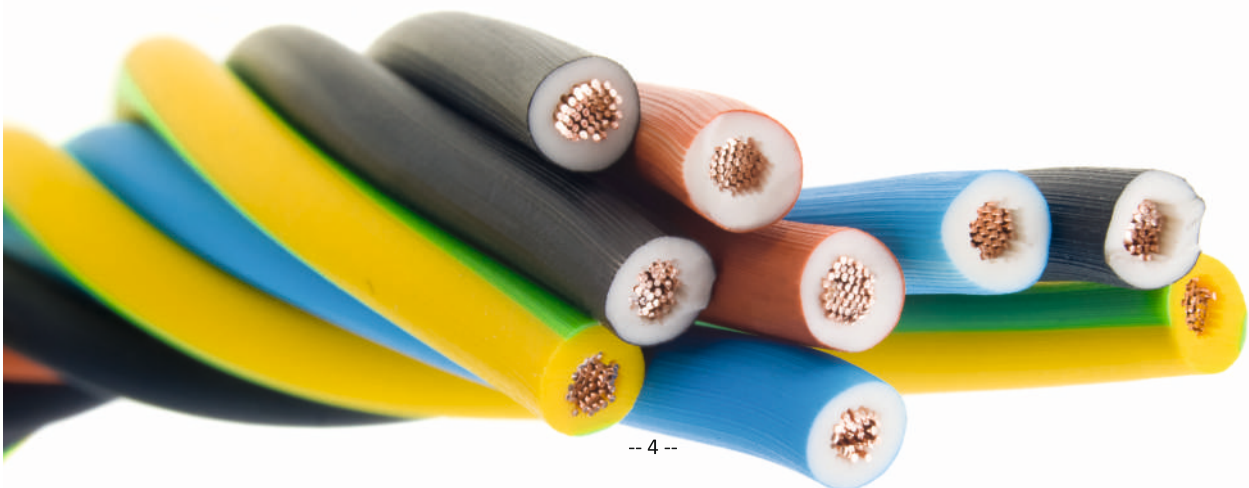
- New developments in HV and EHV AC cables and accessories
- New materials- environmentally sustainable design
- Developments in manufacturing processes and quality control techniques and innovations in cable machinery
- Laying methods, quality assurance, Best Practices & new innovations in laying methods, Field Quality Plan
- Use of telecommunications cables in conjunction in HV / EHV links, power line communications (FIPC/Hybrid Cables)
- Maintaining the consistency & integrity of accessories design

3. New trends in LV and MV Cable Systems

- New materials, environmentally sustainable design
- Developments in manufacturing processes, quality control and techniques
- Laying methods, comparative performances of cables buried and overhead with/ without mechanical protection, Field Quality Plan
- Use of telecommunication cables in conjunction with LV and MV cable circuits, power line communications
- LV and MV cables and accessories (insulated underground and overhead networks)

4. HVDC Cable Systems

- HV and EHV DC material, cables, Accessories & Installations Practice
- Type of HVDC Joints & termination
- EHV / UHV cables for long distance transmission
- Phenomena associated at the interfaces, cables and accessories
- Space charge measurements
- Aging and reliability of HVDC cable system
- Simulations and numerical models
- Testing: investigation, development, Qualification & Type tests
- Operational experience





5. Diagnosis, Preventive / Condition Based Maintenance, Remaining Life Estimation and Management

- Off-line/on-line diagnostic techniques
- Methods for assessing the material properties and characterisation and its possible impact on the performances of cables and accessories
- System monitoring, live Experience & case studies
- Fault location, Methods of examination, Forensic analysis & Expert systems
- Remaining life estimation in different environments: temperature, electric fields, transients & Life extension studies

6. Standardization, Testing Methods: Cables & Accessories, Electrical and Non-Electrical

- Definitions
- Selection criteria for cables & accessories
- Validity of Testing
- Development tests, evaluation, pre-qualification tests, type tests, acceptance and after laying tests
- Gaps & Critical Analysis

7. Special Cables for Industrial Application

- Technologies and installation of EVs, PhotoVoltaic (PV) / solar energy cables, cables for wind power plants, nuclear power plants etc.

- Substation cables, generation station cables, LV secondary cables
- Cables for smart grids
- Cables for harsh external conditions: high mechanical stresses, chemical attack, ionizing irradiations, Other Special Cables: for use in automotive, lift and crane cables, mining cable, oil & gas, railway, marine etc

8. Cables, Environment and Sustainable Development

- Impact of cables on the environment (overhead, underground, submarine)
- Environment friendly design
- Impact of the environment on cable systems (tropical, etc.)
- De-rating in different metallic structures
- Lifecycle analysis & impact of substandard material used in cable

9. Superconducting Cables for the Future

- Technologies under development
- Low-temperature properties of insulating materials
- Design, development of Superconducting cable links
- Prospects for new High Temperature Superconductors (HTSC)

10. Fire Safety Cables & Wires

- Cables with improved fire behaviour and fire resistance

TIME LINES FOR PAPERS

Abstract/Full-Text Paper Submission:	15th May 2022
Notification of Acceptance/Rejection/ Revision with comments	25th May 2022
Final Paper Submission	25th June 2022
Paper Acceptance with comments	20th July 2022

English will be the working language for this Conference. The Technical Committee will maintain a suitable balance between contributions from industry, government and academia.

The Conference would provide wider reach to the authors to present their contribution to the electrical & allied Industry and get due recognition. The papers presented in the conference shall be evaluated by experts with decades of rich experience.

REWARDS:

- Best papers / case studies shall be rewarded.
- Special Reward for the best academic paper presented.

WHO CAN ATTEND:

- Central / State / Private / IPP / Utilities / EP contractors who are responsible for the installation, operation and maintenance of power systems and life cycle management of Cables.
- Manufacturers & Supplier of Cables / Raw materials / Components / Accessories.
- Cable laying professionals.
- Energy Planners, Energy Auditors and Industrial Consultants.
- Research organizations, laboratories, standardization bodies and academic institutes.
- Engineers, Experts, Analysts from various sectors like Power, Cement, Oil and Gas, Refineries, Water and Waste Water Management, Food and Dairy, Metal and Mining, Pharma, Textiles, Chemicals, Papers, Lifts and Escalators, Transportation Segment (Railways, Hybrid Electric Vehicles) Venture Capitalists, Institutions, Academics etc.

DELEGATE REGISTRATION

Delegate Fee

Category	Fee per delegate (Exclusive of GST)
Indian Participants	INR 5000
Government Utilities (1+1 delegates)	INR 5000
International Participants	US \$ 250

Note:- Bulk discount (up to 10%) in case of 5 delegate nominations from single organisation and 15% in case of more than 10 delegate nominations from single organisation, applicable to all categories.

COHOST OPPORTUNITIES:

Attractive cohost opportunities to promote brand globally and multiply brand visibility:

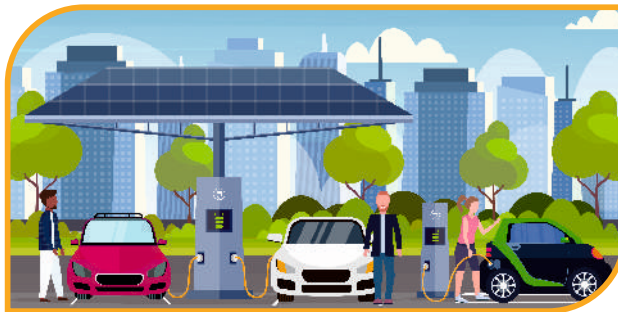
CATEGORY	INR Excluding GST	USD
Principal	INR 10,00,000	USD 15,000
Platinum	INR 6,00,000	USD 9,000
Gold	INR 4,00,000	USD 6,000
Silver	INR 2,00,000	USD 3,500
Exhibition	INR 1,00,000	USD 2,000

	Exhibiting Cum Product Display Booth	Corporate Video	Complimentary Delegates	Logo Display on	Company Standee	Advertisement in CABLEWIRE bound volume
PRINCIPAL	3x3 sq. mtr. (inside main hall)	Y	20	Main Backdrop+ Delegate Kits + Thankyou sponsor Backdrop+ Sponsor panel + Podium Banner + Delegate Badges + Slot in panel discussion	Y - 3 No's (Main Entry)	2 (Gatefold & Inside back)
PLATINUM	3x3 sq. mtr. (outside hall)	Y	12	Main Backdrop+ Delegate Kits+ Thankyou sponsor Backdrop+ Sponsor Panel+ Podium Banner	Y - 2 No's (Prime Location)	2
GOLD	N	Y	8	Main Backdrop+ Delegate Kit+ Thankyou Sponsor Backdrop	Y - 1 No's	1
SILVER	N	N	4	Delegate Kit+ Thankyou Sponsor Backdrop	Y - 1 No's	1
EXHIBITION	Y 3X3 sq. mtr. (Exhibition Area)	N	2	Thankyou Sponsor Backdrop	N	1





Renewable



eMobility



T&D

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VIVEK ARORA

ieema
your link to electricity

Indian Electrical & Electronics Manufacturers' Association

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