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## About the Conference

Institute of Engineering & Management, Kolkata in collaboration with Institution of Engineering & Technology (UK) Kolkata Local Network and Smart Society, USA is going to organize 2nd International Conference on Industrial Electronics, Mechatronics, Electrical & Mechanical Power (IEMPOWER-2021).

The conference will be held in Online Mode at Institute of Engineering & Management, Kolkata, on 26th-28th November, 2021. IEMPOWER-2021 aims to provide a platform for academic and industrial researchers to share their ideas and experience in person about the cutting-edge technology in the field of Industrial Electronics, Mechatronics, Electrical & Mechanical Power. This gathering will be an excellent platform to collaborate and showcase high-end research and expose them to interact with the renowned speakers throughout the World with the latest emerging technologies in the fields of Electrical, Electronics & Mechanical Power and their applications (Power system, Power electronics, Renewable energy, Energy storage, Smart grid & micro grid, Electricity Market, Artificial Intelligence in energy optimization).

Accepted and presented papers only be published in the SCOPUS Indexed conference proceedings of American Institute of Physics (AIP).

## About the College

The IEM group is an acclaimed educational group amongst the industry-centred academic training organisations of today. IEM has set sublime standards in addressing the technical and managerial resource shortage in the new era of dynamic globalisation.

The IEM group has risen to fame for its strong foundation in teaching and R&D in multifaceted areas. It aims to serve the future generation as well as the Nation through its commitment towards self sufficiency and unmatched excellence. IEM has been ranked 'A' Category by NAAC (National Assessment and Accreditation Council).



**Address :- D -1, EP Block, Sector V, Salt Lake City, Kolkata, West Bengal 700091**

**2nd International Conference  
on  
Industrial Electronics,  
Mechatronics, Electrical &  
Mechanical Power**

**IEMPOWER-2021**

**26th - 28th November, 2021**

**Organized By :**

**Institute of Engineering &  
Management, Kolkata, India**

**in  
Virtual Mode**

# Technical Tracks

## Industrial Electronics

- Microelectronic design
- Manufacturing and integration
- Smart sensors
- Instrumentation systems
- Smart consumer electronics
- Signal processing for industrial applications and smart systems
- Artificial intelligence and soft computing techniques
- Industrial Wireless Sensor Networks
- Communication technology for industry 4.0
- Green communication in industry
- Environment friendly networking
- Antennas and Electromagnetic fields
- Industrial image processing
- Industrial internet of things
- Silicon photonics in communication industry including interconnects and data centers

## Mechatronics

- Engineering Applications on Robotics and Automation
- Cognitive Approach for Industrial Robotics
- Collective and Social Robots
- Control and Supervision in Industrial Systems
- Advance Automation and Control techniques related to Smart Industry and Smart Commercial Machines
- Smart Robotics Science and Technology
- Sensing and control system
- Modeling and simulation of physical system
- Intelligent control
- Embedded control system
- Smart Measurement Techniques
- Human-Machine Interactions

## Electrical and Mechanical Power

- Renewable energy
- Smart micro-grid
- Energy storage and management
- Power electronics and energy efficient drives
- Power quality improvement techniques
- Condition monitoring of electrical equipment's
- Power system dynamics and control
- Fuel efficient engine technologies
- Additive manufacturing process
- Reliability and maintenance engineering
- Computational fluid dynamics
- Total quality management and quality engineering

# Advisory Committee

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## Keynote Speaker



**Dr. Josep M. Guerrero**  
Professor, Villum Investigator | AAU Energy  
Center for Research on Microgrids (CROM)

### **Dr. Narottam Das**

Senior Lecturer- Engineering (Electrical),  
College of Engineering and Aviation, School of  
Engineering and Technology, Higher Education  
Division, CQ University Australia



**Dr. Somak Bhattacharyya**  
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Indian Institute of Technology  
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### **Dr. Bhim Singh**

Professor, Department of Electrical  
Engineering, IIT Delhi



## Registration Fees

Categories	National	International
Students / Researchers	Rs 4000	\$ 150
Academicians	Rs 6000	\$ 200
Industry personnel	Rs 10000	\$ 250

## Key Dates

- Paper submission starts - 1st August, 2021
- **Submission Deadline** - ~~15th October, 2021~~ **October 30th, 2021**
- Acceptance Notification - ~~25th October, 2021~~ November 3rd, 2021
- Early Bird Registration - 4th November, 2021
- **Date of Conference** - **26th November to 28th November, 2021**

## Website link-

[iempowercon.smartsociety.org](http://iempowercon.smartsociety.org)

## Author's Guideline for manuscript preparation-

<http://aip.scitation.org/apc/authors/download>

## Paper Submission link-

[easychair.org/conferences/?conf=iempower2021](http://easychair.org/conferences/?conf=iempower2021)

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**"Accepted paper will be published in SCOPUS indexed conference proceedings of AIP"**