

**CALL FOR PAPERS**



**ENGINEER<sup>∞</sup>**

energising india. energising the future

**eTECH<sup>nxt</sup>**

#changethepowergame

**SEEKING VISIONARIES  
FOR A BRAVE NEW WORLD**

INTERNATIONAL CONFERENCE

# ENGINEER INFINITE

March 13 - 14, 2018, Greater Noida, NCR, India  
(IEEE Record # 42767)

IEEE Delhi Section and IEEE UP Section along with IEEMA (Indian Electrical and Electronics Manufacturers Association) are jointly organizing an International Conference "ENGINEER INFINITE-e-TechNxt-2018" during 13-14 March 2018, along with ELECRAMA at India Expo Mart, Greater Noida, NCR, India.

The conference will provide an opportunity for researchers, academicians, scientists and professional engineers to present their work, publish results, exchange ideas and network for scientific and industrial collaborations in an international forum. The preference will be given for high quality technical papers having demonstration/product setup for exhibition.

hosted by



**ELECRAMA**  
we are all about **electricity**

**10-14 MARCH 2018**

INDIA EXPO MART  
GREATER NOIDA, NCR, INDIA

supported and sponsored by

**ieema**  
your link to **electricity**

 **IEEE**  
Advancing Technology  
for Humanity

## Objective

The prime objective of this international conference is to connect the electrical & electronics industries to research, academia and bring out new technologies / products & markets that are "NxT"

## Theme

The theme of conference is "**Showcase of Technology Next**" focused on the following four tracks



**Digital Transformation  
of Power Delivery**



**Energy Storage  
Systems & Solutions**



**IoT, IIoT, IoNT and AI  
in Electricity**



**E-Transportation**

---

### Track 1

#### **Power Electronics & Digital Transformation of Power Delivery**

Sensors and Technologies, Analytical Modeling of Generator & its Components, Architectural Design of Digital Power System, Asset Performance Management, Operation Optimization, Business Optimization, Control and Monitoring, Security Issues, Service Delivery, Fault Management, Energy Audit, Communication Technologies, Data Communication & Processing. Application of Power Electronics in Power Systems, Protection, Distributed Generation, HVDC, Power System Stability and Control, Applications in Blackouts.–Power Quality Issues Active and Passive Filters, UPQC, DVR, High Power Factor Converters, Multi-Level Converters and Inverters. Renewable energy systems Wind power, Solar PV, Tidal, wave, and hydro power systems. Electronics Devices and Circuits Novel/Modified switching devices for Power Electronics Applications and their switching techniques, Switch-mode power supplies, EMC and Power quality, Advanced switching Techniques and Concepts of soft switching, microwave and millimeter wave technology.

---

### Track 2

#### **Energy Storage Systems and Solutions**

Storage Technologies, Thermo-mechanical Storage, Grid Storage Systems, Sodium & Lithium Batteries, Flow Batteries, Capacity Delivery, Metal air batteries, Fuel cells, Super capacitors, Mechanical energy storage (liquid & compressed air, flywheel)Integration and Management System benefits, regulation and policy, Advanced diagnostics and characterization.

---

### Track 3

#### **IoT, AI and Electricity**

IoT to Reduce Losses in Electric Power Distribution, IoT, effect on grid operators and opportunities, IoT Deployment: Design challenges, Enabling the Smart Consumer, Deep Learning Mechanisms for Intelligent Electricity, Intelligent Generation, Transmission and Distribution, Intelligent Controls and Monitoring, Use of IoT and AI for Power System Diagnostics, Smart and Micro Grids, Use of IoT & AI in Power Electronics Systems & Drives.

---

### Track 4

#### **E-Transportation**

Use of IoT and AI for Power System Diagnostics, Smart and Micro Grids, Power Electronics and Electric Motor Drives, Electric Machines and Actuators, Thermal Management, Packing, and Optimization for Traction Drive Systems, Battery, Battery Management, Charging Systems and Infrastructure, Electric, Hybrid Electric and Plug-in Hybrid Electric Vehicle System Architectures, Connected and Automated Vehicles, Smart Mobility, and Vehicle Security, Electrification of Heavy-Duty and Off-Road Vehicles, Electrical Systems and Components for Sea, Undersea, Air and Space Vehicles, Modeling, Simulation and Control, Codes, Standards, Policies, and Regulations for Transportation Electrification, Different Faults and Solutions in electric vehicles. Machine Control and Its Industrial Applications Novel converter/inverter topologies, AC and DC Drive Systems, permanent-magnet and reluctance machines, Special machines, Motion control system, Application of Power Electronics to Transportation Traction, Marine propulsion, Aerospace Starter/generator systems, and Electric/fuel cell/hybrid vehicles, Energy efficiency and Integrated drives

## Paper Submission

Prospective authors are requested to submit full length paper no longer than six (6) pages through EDAS link <https://edas.info/24017> in IEEE format (US letter, DOC file) available at [http://www.ieee.org/conferences\\_events/conferences/publishing/templates.html](http://www.ieee.org/conferences_events/conferences/publishing/templates.html).

Papers should not include authors name and affiliation. If there is more than one author, each author must have EDAS login account and the names of all authors should be added in EDAS.

Conference Website URL: <http://sites.ieee.org/engineer-infinite2018/>

All the accepted papers on presentation will be sent for consideration for posting to IEEE Xplore.

## Important Dates

|   |                  |
|---|------------------|
| Online Submission                                   | 22 July 2017     |
| Submission of full length paper deadline            | 22 December 2017 |
| Acceptance Notification                             | 22 January 2018  |
| Last Date for Submission of Camera Ready Manuscript | 15 February 2018 |
| Early Bird Registrations                            | 31 January 2018  |
| Late Registration                                   | 28 February 2018 |
| Conference Dates                                    | 13-14 March 2018 |

## Registration Fees

| Category     |       | IEEE Member      | Non-IEEE Member  |
|--------------|-------|------------------|------------------|
| Student      | Early | 2500 INR (150\$) | 3500 INR (200\$) |
| Professional |       | 4000 INR (200\$) | 5000 INR (250\$) |
| Student      | Late  | 3500 INR (200\$) | 4500 INR (250\$) |
| Professional |       | 5500 INR (300\$) | 6500 INR (350\$) |

## Organizing Technical Committee

---

|                    |  |
|--------------------|--|
| General Chair      | : Dr. Subrata Mukhopadhyay, IEEE Delhi Section |
| General Co-Chair   | : Er. Sushil K Soonee, Advisor POSOCO          |
| TPC Chair          | : Prof. Bhim Singh, IEEE Delhi Section         |
| Treasurer          | : Prof. Prabhakar Tiwari, IEEE UP Section      |
| Registration Chair | : Prof. Mahesh Bunde, IEEE Delhi Section       |
| Logistics Chair    | : Dr. Shabana Urooj, IEEE Delhi Section        |
| Publications Chair | : Dr. Rachna Garg , IEEE Delhi Section         |

## Track Chairs

---

|               |   |
|---------------|---|
| Track-1 Chair | : Prof. G. Bhuvaneswari, IIT Delhi  |
| Co-Chairs     | : Dr. Kannan Tinnium, GE Global Research<br>Er. Akilur Rahman, ABB India  |
| Track-2 Chair | : Prof. Sukumar Mishra, IIT Delhi   |
| Co-Chairs     | : Er. Atul Arya, Panasonic<br>Dr. Rahul Walawalkar, India Energy Storage Alliance   |
| Track-3 Chair | : Prof. Bijaya K. Panigrahi, IIT Delhi  |
| Co-Chairs     | : Dr. Rishi Mohan Bhatnagar, AERIS,<br>Er. Vikram Gandotra, Digital Grid Siemens Ltd  |
| Track-4 Chair | : Prof. Bhim Singh, IIT Delhi   |
| Co-Chairs     | : Dr. Jaijit Bhattacharya, KPMG,<br>Dr. Allabaksh Naikodi, Mahindra Electric Mobility Ltd<br>Er. D.V.S. Subramanyam, L & T Ltd. |

---

## Venue

India Expo Mart, Greater Noida, NCR, INDIA



## Contact

ENGINEER INFINITE INTERNATIONAL CONFERENCE

e-mail: [ravindra.desai@ieee.org](mailto:ravindra.desai@ieee.org)

**website:** <http://sites.ieee.org/engineer-infinite2018/>