

# International Conference

On

Recent Advances

In

“Electrical Engineering, Power Control,  
Electronics and Communication Technology”

(EEPCECT – 2014)

Organized by

“Krishi Sanskriti”

On

31<sup>st</sup> May and 1<sup>st</sup> June, 2014

Venue:

Jawaharlal Nehru University,

New Delhi 110067

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## Call for Papers and Conference Themes

The Organizers cordially invites Abstracts and Full Research Papers from all over the world to participate in the International Conference on Recent Advances in “Electrical Engineering, Power Control, Electronics and Communication Technology” (EEPCECT – 2014) on the following scientific areas for presentations and discussions thereafter.

Electronics Engineering is an emerging and promising discipline in shaping future research and development activities in both Academia and Industry. The conference aims at providing an opportunity for exchange of ideas and dissemination of knowledge among Academia, Industry, Research Scholars, Scientists, Entrepreneurs and N.G.O. for sustainable growth of the society. Contributions are invited from prospective authors from related areas. All contribution should be of high quality, Original and not published elsewhere or submitted for publication. During the review period, Papers will be reviewed by eminent scholars in the respective areas. All selected papers will be published in International Journal having ISSN No. in print version and online version and that will be released on the day of conference.

## Themes

### **Electrical engineering**

- Automation, control and instrumentation,
- Electrical and electronic materials:
- Electrical conductivity.
- Microwave theory and application,
- Network & coupled circuits.
- optical fibres – principles and applications .
- Power management system.
- Power station
- Self-tuning regulators
- Transmission lines,
- Wind Power Generation,

### **Power & Control Systems**

- Active power quality controllers
- Analysis, design, control, and applications of electrical Machines
- Application and Design of Power Electronic Systems

- Application of power electronics in power system and Generation
- Automotive vehicles
- Bearingless drive technologies
- Bio-medical power electronics
- Construction and protection
- Consumer power electronics
- Control of Power Converters
- Control Theory and Application
- Custom power devices
- Diagnosis and Sensing Systems
- Distribution networks
- Electric Drivers and Application
- Electrical and exploitative characteristics of loads and electrical power converters
- Electrical Machines and Actuators
- Electrical Traction Systems and Control
- Electromagnetic Compatibility
- Electro-Mechanical Energy Conversion
- EMC improvement with new materials and elements systems
- EMC standardization
- Energy efficiency in industry
- Energy saving and compatibility of electrical drives and generators
- Energy storages
- Filters and compensators
- Fuel cell
- General power quality problems and measurements
- Grid interfaces
- Hard-switching and soft-switching static power converters
- High Voltage Engineering and Insulation Technology
- HVDC and FACTS
- Hybrid energy systems
- Industrial Process Control and Automation
- Influences of disturbing loads on supply networks and other electrical devices
- Inverter and Converter Technology
- Measurements, Sensors and Observing Techniques
- Mechatronic Systems
- Micro-electromechanical systems (MEMS)
- Military Technology
- Modeling and simulation
- Modulation techniques
- Motion Control, Robotics, Adjustable Speed Drives
- Motor drives
- Power Converters
- Power Electronics Controllers for Power Systems
- Power Electronics converters for drives and generators
- Power Electronics education/professional development
- Power Electronics in Electrical Energy Generation,
- Power Electronics in traction, automotive and shipping propulsion
- Power Electronics in Transportation
- Power Engineering related technologies

- Power integrated circuits (PIC)
- Power quality issues, harmonic problems and solutions
- Power Quality, Alternative Energy and Distributed Systems
- Power semiconductors, passive components and packaging technologies
- Power System Planning and Scheduling
- Power System Protection, Operation and Control
- Reliability and economics
- Renewable energy Technologies
- Sensibility of loads and other electrical equipment to power quality characteristics
- Special Power Electronic Systems and Applications
- Switch-mode power supplies and UPS
- Telecommunications power supplies
- Test, measurement and instrumentation
- Transmission & Distribution Systems and Apparatus
- Transmission and Distribution
- Unconventional motors and generators
- Unconventional power electronics converters
- Variable and constant speed generators
- Voltage restorers
- Wind, Solar and Renewable Energy Sources

### **Electronics & Opto-electronics**

- Advanced Electromagnetics
- Analog and Digital devices and Services
- Characterization of High-frequency Properties of Devices
- Communication Systems
- Component Technology of MEMS
- Compound Semiconductor Physics and Devices
- Control engineering
- Data Communication
- Digital & Analog Circuits and Application
- Digital Communication
- Digital Electronics
- Digital Signal and Image Processing etc
- Digital Synchronous Machines
- Electromagnetic and Applied Superconductivity
- Electromagnetic and Photonics
- Electro-optical phenomena of semiconductors and techniques of photoelectron
- Epitaxy and Light-emitting Diodes
- Fabrication Technology of Nanostructures
- Fiber optics and fiber devices
- Growth and Device Fabrication of One-Dimensional Materials
- Instrumentation engineering
- Integrated optics and electro-optics devices
- Introduction to Nano –science
- MEMS-Micro Sensors and Structures
- MEMS-Related Technology
- Micro Machines
- Microelectronics
- Microprocessor based Technologies
- Microwave and millimeter circuit and antenna
- MOS device thin oxide film characteristics

- Nano Optical and Electrical Diagnosis Techniques
- Nano Scanning Probe Microscopy
- Nano Semiconductor Structures and Devices
- Nanomaterials and Nanotechnology
- Optical and Electronic Properties of Nano-materials
- Optoelectronic Circuits
- Physics of Nanoscale CMOS Devices
- Quantum Mechanics
- Radio Engineering
- Radio-Frequency Integrated Circuits
- Semiconductor Devices
- Semiconductor Devices and Packaging
- Semiconductor Technology
- Si detector devices circuit
- Solid state electronic devices and electro-optic devices
- Systems Engineering
- Techniques of laser and applications of electro-optics
- Techniques of molecular beam epitaxy
- Telecommunication Technologies
- Thin Film Engineering
- Timers, Microwave and Radar Technology
- Transport in Nanostructure
- VLSI Testing and Design for Testability

### **Electronics and Communications Technology**

- QoS Provisioning and Architectures
- Telecommunication Services and Applications
- Wireless Networking
- Optical Communications
- Multimedia Communications
- Network Performance
- Innovative Networking Technologies
- Network Security
- Network Planning and Design
- Software Technology in communication Engineering
- e-Governance, e-Government, e-Commerce, e-Learning, e-Health
- Network Management, Operation and Maintenance
- Distributed & Cloud Computing
- Wireless Communication
- Authentication, Biometric Security
- Web Service, Social Network
- IPTV, Internet Telephony (VoIP, MoIP)

### **Applied Electronics**

- Antennas - Design, Modeling and Measurement
- Electronic Devices in Communications
- Fast Algorithms and Transforms
- Industrial Automation and Control
- Industrial Electronics and Automations
- Integrated Optics
- Microwave Circuits - Systems and Applications
- Radio Propagations
- Robotics
- Software Engineering in Electronics
- Simulation and Modeling

- Testing and Fault Analysis
- Sensitivity and Symbolic Analysis
- Multi-Resolution Analysis and Wavelets
- Neural and Fuzzy Computing; Computer Aided Design

### Abstract Submission:

Abstracts not exceeding 300 words on any of the aforesaid themes should be sent to the Organizing Secretary through email at [info.delhiconference@gmail.com](mailto:info.delhiconference@gmail.com) on or before 19<sup>th</sup> May, 2014. Intimation of Acceptance of Abstract within 24 to 48 hrs of submission time (if accepted).

### Submission of Full Length Research Paper & Copyright Form

Full length research paper, maximum in 5 pages and copyright form should be submitted together as separate attachment latest by 21<sup>st</sup> May, 2014 through email at - [info.delhiconference@gmail.com](mailto:info.delhiconference@gmail.com) Acceptance of Full Length Paper within 24 to 48 hrs of submission time.

### Submission of Registration Details:

Submission of Registration Form/Details: 23<sup>rd</sup> May, 2014. Registration process can be initiated after receiving acceptance letter of full paper.

### Accommodation

Free one day Accommodation will be available to the limited no. of out station non N.C.R. Delegates at JNU guest house and nearby other guest houses/hotels around conference venue.

The Tariff rate for next day and subsequent day accommodation is as follows: Double-bed Room @ Rs.800/- per person (Indian non N.C.R. delegates) and 50 USD for Foreign delegates on sharing basis per day (check out time noon to noon).

To and fro transportation facility from guest house to the conference Venue will be provided by the organizer.

**NOTE:** In case Research article is accepted by the editorial committee it will be published and released on the day of conference in case the delegates are not able to physically present their paper due to some or other reason his/her research paper will be published (in absentia) and published copy along with certificate will be dispatched to his/her correspondence address by post just after the conference at no extra cost. **All communication should be by e-mail/online only (no hard copy is required to be posted).**

### Registration

The participants are requested to register by sending the duly filled Registration form through e-mail along with their research paper and registration fees (through RTGS/ Wired Transfer or Online Transfer)

Bank Details mentioned below for RTGS/ Wired Transfer or Online Transfer:

**Beneficiary Name** : Krishi Sanskriti  
**Bank Name** : Canara Bank  
**Bank Address** : Jeet Singh Marg, New Delhi  
**Account No.** : 1484101026988  
**Account Type** : Savings  
**IFSC Code** : CNRB0001484  
**Swift Code-** : CNRBINBBID

### Registration Charges:

Categories	Indian Delegates	SAARC/ African Country Delegates	Rest of the countries
Academic faculty/Industrial Delegates	4000 INR	150 USD	350 USD
Research Scholars(Ph.D) / NGO	3500 INR	125 USD	250 USD
Students(B.Tech/ M.Tech /M.Sc etc)	2500 INR	100 USD	200 USD
Printing of Additional Page in Proceeding	300 INR	15 USD	20 USD
Listener / Accompanying Member( <b>only Indian Delegates</b> )	1500 INR	**	**
Journal & Certificate (additional copy) for Co-Authors (if required)	700 INR	25 USD	50 USD
Only Journals(additional copy) for Co-Authors (if required)	500 INR	15 USD	30 USD
Only Certificates (Co-Authors)	300 INR	10 USD	20 USD
Additional Research paper for same authors	1500 INR	30 USD	50 USD

**\*\*Foreign Participants as listener are not allowed, only authors from foreign country/countries will be allowed in this conference.**

### **Mandatory steps to be followed:-**

1. In case of multi authored research paper, at least one Registration is mandatory.
2. In case other author/co-author wish to physically attend the conference they need to pay full Registration fees individually, separate Journal & Certificate along with the conference kit will be issued to them. Co- Authors are requested to fill & submit separate Registration forms in case they are physically attending the conference.
3. Charges for extra copy of Journal/ Certificate for other Co-author (if required) should be paid along with preliminary Registration by the corresponding author.
4. Co-Authors will not be considered as accompanying person. Listeners are not entitled for free accommodation (it will be on paid basis). However they will be issued conference kit and participation certificate.

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For further information and Latest Updates, Write us at  
**["info.delhiconference@gmail.com"](mailto:info.delhiconference@gmail.com)**

Or

visit our Website

<http://krishisanskriti.org/electrical.html>

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