



International Conference

On

Innovative Research in “Electrical, Electronics and
Communication Technology”

(ECT – 2016)

Organized by

“Krishi Sanskriti”

On

24th January, 2016

Venue:

Jawaharlal Nehru University,

New Delhi 110067



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 Innovative Research in “Electrical, Electronics and Communication Technology”(ECT-2016)** 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 applications

- Automotive vehicles
- Battery Energy and Storage systems
- Bearingless drive technologies
- Bio-medical power electronics
- Construction and protection
- Consumer power electronics
- Control of Power Converters
- Control Theory and Application
- Converter/Inverter Topologies
- Custom power devices
- Deregulation
- Diagnosis and Sensing Systems
- Distributed Generation
- 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
- Evolutionary Algorithm application to Power System
- 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 Factor Improvements
- 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

Electrical Drives

- Induction Motors
- Reluctance Machines
- Permanent Magnet Machines
- Sensorless control

Electromagnetic Design

- EMI/EMC
- Computational Methods
- High Frequency System Simulation

Smart Grids

- Grid Control
- Power Systems Management

- Microgrids

Photonics, Optoelectronics and Quantum Electronics

- Advanced Electromagnetics
- Advances in imaging
- Analog and Digital devices and Services
- Antennas - Design, Modeling and Measurement
- Applied nonlinear optics
- Characterization of High-frequency Properties of Devices
- Cold atoms and molecules
- Combustion physics
- Communication Systems
- Component Technology of MEMS
- Compound Semiconductor Physics and Devices
- Computational photonics
- Control engineering
- Data Communication
- Diffractive optics
- 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
- Electronic Devices in Communications
- Electro-optical phenomena of semiconductors and techniques of photoelectron
- Epitaxy and Light-emitting Diodes
- Fabrication Technology of Nanostructures
- Fast Algorithms and Transforms
- Fiber amplifiers, lasers, sensors and devices
- Fiber optics and fiber devices
- Fiber-optic sensor and networks
- Fibre optic systems
- Fundamentals of nonlinear optics
- Growth and Device Fabrication of One-Dimensional
- High performance semiconductor optical amplifiers
- High power laser technology and high energy density physics
- Industrial Automation and Control
- Industrial Electronics and Automations
- Information optics, optical storage and displays
- Infrared and THz technology, and astrophotonics
- Instrumentation and measurement
- Instrumentation engineering
- Integrated and guided-wave optics and thin film optics
- Integrated Optics
- Integrated optics and electro-optics devices
- Introduction to Nano-science
- Laser chemistry, biophotonics and applications
- Laser metrology and remote sensing
- Laser processing, laser microfabrication, and industrial applications
- Materials

- MEMS-Micro Sensors and Structures
- MEMS-Related Technology
- Micro Machines
- Microelectronics
- Microprocessor based Technologies
- Microwave and millimeter circuit and antenna
- Microwave Circuits - Systems and Applications
- MOS device thin oxide film characteristics
- Multi-Resolution Analysis and Wavelets
- Nano Optical and Electrical Diagnosis Techniques
- Nano Scanning Probe Microscopy
- Nano Semiconductor Structures and Devices
- Nanomaterials and Nanotechnology
- Nanophotonics
- Neural and Fuzzy Computing; Computer Aided Design
- Optical and Electronic Properties of Nano-materials
- Optical communications and networking
- Optical diagnostic engineering
- Optical environmental sensing
- Optical fibre sensors
- Optical nanoscience
- Optical sensors and applications
- Optical techniques for materials characterization
- Optical tweezers
- Optical vortices
- Optoelectronic Circuits
- Physics of Nanoscale CMOS Devices
- Precision measurements and fundamental tests
- Quantum information and cryptography
- Quantum Mechanics
- Quantum optics
- Quantum science in atoms, molecules and solids
- Radio Engineering
- Radio Propagations
- Radio-Frequency Integrated Circuits
- Robotics
- Semiconductor and electro-optic devices
- Semiconductor Devices
- Semiconductor Devices and Packaging
- Semiconductor Technology
- Sensitivity and Symbolic Analysis
- Sensors and actuators
- Si detector devices circuit
- Simulation and Modeling
- Smart x-ray and neutron optics
- Software Engineering in Electronics
- Solid state electronic devices and electro-optic devices
- Solid-state laser and other lasers, and laser materials
- Structured optical materials
- Systems Engineering
- Techniques of laser and applications of electro-optics
- Techniques of molecular beam epitaxy
- Telecommunication Technologies
- Testing and Fault Analysis

- Thin Film Engineering
- Timers, Microwave and Radar Technology
- Transport in Nanostructure
- Ultrafast laser science
- Ultrafast optics and photonics
- VLSI Testing and Design for Testability
- White LED and related technologies

Green Electronics

- Organic And Sustainable Electronics
- Electronics In Renewable Energy

Bio-Electronics

- Biodegradable And Biocompatible Electronics Devices
- Neuroprosthetics

Smart Electronics

- Printed Electronics
- Consumer Electronics
- Wearable Electronics

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

Telecommunication Engineering

- Communication Electronics and Microwave
- Antenna and Wave Propagation
- Communication Network and Systems
- Information Theory and Coding
- Modulation and Signal Processing for Telecommunication
- Radar Imaging, Distributed Platform
- Radio Communication
- Telematics Services, Security Network
- Wireless and Mobile Communications

Advanced Communication

- Authentication, Biometric Security
- Distributed & Cloud Computing
- e-Governance, e-Government, e-Commerce, e-Learning, e-Health
- IPTV, Internet Telephony (VoIP, MoIP)
- Network Management, Operation and Maintenance
- Web Service, Social Network

Abstract Submission:

Abstracts not exceeding 300 words on any of the aforesaid themes should be sent to the Organizing Secretary through email at info.electricalconference@gmail.com on or before **16th January, 2016**.

Submission of Full Length Research Paper & Copyright Form:

Full length research paper, maximum in 6 pages and copyright form should be submitted together as separate attachment latest by **18th January, 2016** through email at - info.electricalconference@gmail.com

Submission of Registration Details:

Submission of Registration fees latest by **20th January, 2016**. 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 35 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 : Krishni 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	125 USD	250 USD
Research Scholars(Ph.D) / NGO	3500 INR	100 USD	200 USD
Students(B.Tech/ M.Tech /M.Sc etc)	2500 INR	75USD	150 USD
Printing of Additional Page in Proceeding	300 INR	15 USD	20 USD
Listener / Accompanying Member(only Indian Delegates)	1500 INR	**	**
Journal & Certificate (additional copy) for Co-Authors in absentia (if required)	700 INR	20 USD	30 USD
Only Journals(additional copy) for Co-Authors in absentia (if required)	500 INR	15 USD	25 USD
Only Certificates in absentia (Co-Authors)	300 INR	10 USD	20 USD
Additional Research paper for same authors	1500 INR	25 USD	35 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.
5. All Selected papers will be available online after 15 to 20 days of conference date over, in order to download the papers the authors need to go in the publication section of Krishni Sanskriti website.

For further information and Latest Updates visit our Website

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

Dr. M. R. Tripathy,
Organizing Secretary

Dr. B. B. Singh,
Co-Convener

Dr. G. C. Mishra,
Conference Chair

Contact No. : +91-9013461579