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& Electrical Engineering Integral University, Lucknow-226026, (UP), India



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4. Skype mode of paper presentation should be accepted in exceptional cases.

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ABOUT LUCKNOW

Lucknow has been known as the city of Tehzeeb, Culture, Art, Literature and Cuisine. In past few decades, city is also being known as science and education hub. New architecture of Lucknow includes Ambedkar Park, Eco garden, Janeshwar Mishra Park, JPN International center, Newly established International Cricket stadium, Awadh Shilp Gram, Indira Gandhi Pratisthan, New building of High Court. Some of the major historical monuments of Lucknow include Bara Imambara, Residency, Chattar Manzil, Rumi Darwaza, Clock Tower, Moti Mahal, Hussainabad Imambara and many others. Lucknow is connected with major cities through flights, trains and buses.

CONFERENCE TRACKS

Track 1: Advanced Computing, Software Engineering & IOT

Cloud Computing, Grid and Cluster computing, Parallel and Distributed computing, Soft computing, Human-Computer Interaction, Programming Systems, Scientific Computing, Machine learning, Database management systems, Data Mining and Warehousing, Big data analytics, Artificial intelligence, Neural Networks, Fuzzy Systems, Data Compression Techniques, Software Engineering, Computer Architecture and Embedded Systems, Multimedia Applications, Genetic and Randomized Algorithms, Graph Theory, Digital Image and audio processing, Content dissemination system, Recent advances in operating systems, Information theory and coding, Cyber Crime and digital forensic tools, Bioinformatics and Scientific Computing, Biometric security.

Track 2: Data Communication and Signal Processing

Internet of Things (IOT), Software Defined Networks and Systems, Innovative Networking and Applications, Cognitive, Cellular and Mobile Networks, Multimedia and Real-Time Networking, High-speed Communication and Network, Personal Communication System, Mobile Ad-hoc and Sensor Network, Vehicular Ad hoc Network, Network Control and Management, Security, Privacy and Trust, Fault-tolerant and Dependable System, Peer-to-Peer (P2P) System, Semantic Web. Image and Video Processing, Network virtualization, Optical Communication and Networks, Radio over fiber technique, Millimeter wave and visible light communications, Space and Satellite Communication.

Track 3: Electronics and Communication

Micro-electronics, VLSI design and CAD Tools, Nano-electronics and Nanotechnology, Analog, Digital and Mixed Signal Circuit, Antennas, RF and Microwave Communication, Microwave Radar imaging, Analog & Digital Signal Processing, Radio over fiber technique, Photonics and Optoelectronics Circuit, Microcontrollers and Embedded System Design, Fault Tolerance, Reliability, and Survivability, Electronics instrumentation using CAD tools, Biomedical Engineering and Biotechnology, Micro/Nano Mechatronics, Mechatronics applications in agriculture and regional industries, Mechatronics Applications in Cyber-physical Systems.

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Recent advancement in electrical technology, Power quality, FACTS & Custom power Devices, Power System Planning and Scheduling, Soft Computing Techniques in Power Systems, Advance in renewable energy technology, Micro- grid, smart –grid, Power system protection & system stability, Control system & Application, Advanced control techniques, Process control & instrumentation, Adaptive non-linear control, Industrial process control, Optimization & optimal control , Power Electronics Devices & Control, Power Electronics and Energy Efficient Drives, Expert Systems and Artificial Intelligence Techniques.

Track 5: Renewable and Sustainable Energy

Thermal Energy Systems, Bio-energy System, Geothermal, Hydrogen , Hydropower , Ocean, Solar Thermal / PV Systems, Wind Energy technologies, Fuel cell and Energy systems, Energy policy, Energy Audit, Energy conversion, Technologies and modeling, Corbin capture and storage, Environmental Impact and Sustainability.

Track 6: Cybersecurity & IPR

Innovation management, Innovation promotion and management policy, Fundamentals of "Structured Innovation", Patent search and identification of innovation, Technology transfer, Registry of innovation by patent disclosure, Commercialization & Technology Transfer Mentoring and facilitating business incubation, Cybercrime basics, Global and Indian scenario, Cybercrime countermeasures, Legal issues of CS.

Special Session Track 7: Application of Power Electronics in Renewable Energy Systems

Solar Photo-voltaic (SPV) System, Wind Energy Conversion System (WECS), Alternate Hydro Energy System, Power factor correction (PFC) and PFC converters, SVCs, FACTS, Active and reactive power flow control, Uninterruptible power system (UPS), HVDC systems, Novel dc/dc converter topologies, Multilevel Converter Topologies, Power quality analysis, Energy storage systems and transient issues, Smart grids and integration of DG, Hybrid coupled micro-grid (AC+DC), Energy efficiency in micro-grids, Intelligent control of grid-connected converters and inverters, Power control methods and algorithms.

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