



Electrical and
Electronics Engineering



2nd NATIONAL CONFERENCE (VIRTUAL MODE) ON

EMERGING TRENDS IN SMART GRIDS & ELECTRIC VEHICLE TECHNOLOGIES (NCETSGEVT-2021)

On 28th & 29th June, 2021



SCOPE OF CONFERENCE

Smart Grid and E V Technologies, for its enormous impact on the next generation energy consumption and transportation has been highly focused research and deployment venture which paved way for inter-disciplinary research in electrical, electronics, computer, instrumentation, automation, and communication engineering. The conference aims at the coagulation of research ideas in monitoring, metering, sensing, automation, communication, information security and IOT aspects of smart grids besides the ideas of renewable power integration and power system re-structuring. Expert talks are planned for exchange of ideas and sharing expertise. The conference serves to be good platform to enrich research activities towards smart grid & EV technologies.

ABOUT KONERU LAKSHMAIAH EDUCATION FOUNDATION

The Koneru Lakshmaiah Charities was established as a trust in the year 1980 and started KL College of Engineering in the Academic year 1980-81. The trust was converted into a society by the name Koneru Lakshmaiah Education Foundation in the year 1996.

The KL College of Engineering has attained autonomous status in the year 2006 and in February 2009, the Koneru Lakshmaiah Education Foundation was recognized as Deemed to be University.

HALLMARKS:

- NAAC A++ Grade with 3.57 CGPA on 4-point scale
- CATEGORY-1 University by UGC under the categorization of Universities for Grant of Graded Autonomy
- Approved by MHRD & UGC (Under Section 3 of UGC Act 1956)

ABOUT EEE DEPARTMENT

The Department of Electrical & Electronics Engineering at Koneru Lakshmaiah Education Foundation is started in the year of 1995. Over the last few decades, we have grown our expertise and competence in the core Electrical & Electronics Engineering

curriculum and research. We have a strong undergraduate program in Electrical & Electronics engineering (B. Tech), M. Tech. & dual degree program. We have good researchers for PhD degree, at present the department has more than 170 PhD scholars. EEE department offers design-based engineering curriculum. The department maintains active research groups for carrying out collaborative and interdisciplinary research. We have state of art research facilities to support our academic programs blend- ed with research. Sponsored Funding projects worth of Approx. 2.5 crores during last five years from DST-SERB & AICTE etc., to maintain and modernize our research infra- structure. The department has 4 research labs and 7 Academic state of art facilities. The department faculty have published 9 patents in IPR and 16 technical textbooks in standard publishers. The department has strong industry connect like MNC's and top public & private industries to bridge the gap between academia and industry. The faculty members got many prestigious awards at national and inter- national levels. EEE department looks forward to contribute in solving the technological challenges of the society

PAPER SUBMISSION

Authors are requested to mail the soft copy of full-length paper to:
conferences_eee@kluniversity.in

IMPORTANT DATES

Submission deadline: **10th June 2021** Extended up to **20th June 2021**

Notification of acceptance : **22nd June 2021**

Camera-Ready deadline : **25th June 2021**

Author registration deadline : **25th June 2021**

Conference Date : **28th, 29th June 2021**

REGISTRATION FEE:

Minimum one author per paper should register for presenting the work (includes certificates and conference proceedings)

Research Scholar and Student Rs. 750/- *

Faculty Member Rs. 1000/-*

Industry Participants Rs. 1500/-*

Non-presenting Member Rs. 500/-*

Publication

(including Registration) Rs. 9000/-*

REGISTRATION DETAILS

REGISTRATION LINK:

<https://www.kluniversity.in/eee/eee-conference-2021/>

PUBLICATION DETAILS

All the accepted papers will be published in AIP proceedings indexed in both Scopus & WOS.

PAYMENT

Registration Fee can Paid Online:

Remittance/Wire transfer details:

Name of the account:

Registrar K L U

Account No:

62310916292

Name of the bank:

SBI Vaddeswaram

IFSC Code:

SBIN0021361

CALL FOR PAPERS

Prospective authors are invited to submit full length original

manuscripts limited to 6 pages (which have not been submitted or published elsewhere in other conferences / journals) in IEEE format. Submissions shall include title, abstract, keywords, author, and affiliation with email address.

The conference covers wide range of topics under Smart and Micro-grids including, but not limited to, the following:

Power Electronics & Converters: Converters for Renewable Energies, Converters for Storage, Low-frequency EMC, Emerging Power Semi-Conductor Devices, Modular multi-level converters, Switch Mode Power Supplies, Soft Switching of dc-dc converters, Multiple output dc-dc converters, High gain dc-dc converters, Resonant converters, power electronics in consumer electronics.

EV Technologies: Algorithms for B.M.S, Fast charging Techniques and Converters, Advanced Motor drive controls, Novel motor Designs, AI and IoT application for EV.

Power Systems: Computer Aided Power System Protection, Artificial intelligence in power systems, Power System Planning and Management, Smart, Micro-grids, Regulation

& Electricity Markets: Generation and transmission expansion, Pricing of electricity, Power markets, Smart meters, Decentralized control of micro-grids, Dispatching in power systems, Multiagent systems, Power System Communication Networks, System Islanding and Restoration, Cyber-Security.

Electric Vehicles & Transportations: Communication Protocols for Electric Vehicles, Modelling, Simulation and Control of EV Systems, Advanced Electrical Machines applications in Electric Transportation, Unmanned Vehicles

Renewable Energy Sources & Storages: Solar energy & PV cell technology, Wind Energy, Fuel Cell Technology, Biomass and biofuels, Energy & Battery Management and storage, High-performance cogeneration, Ultracapacitors, Battery Systems, Advanced Battery for EV's

Smart Buildings: Lighting systems and components, Metering systems, Sensors, Nearly zero energy buildings, Supervisory systems.

IoT, Industrial Automation & Computing: Industry 4.0, 5G, Cyber-Security, Industrial IoT, Machines Vision, Pattern Recognition, Signal and Image Processing, Hybrid Evolutionary Algorithms, Soft Computing, Robotics Revolution, MEMS, PLC's, Distributed Systems

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Dr. Jayaraman

NIT AP

Dr.Venu sonti

NIT Delhi

Dr. Damacharala Praveen

Research Scientist &Product Designer at KineticAI, Inc.

For More Details Please Contact:

Dr. J. Somlal

HoD, EEE

0863-2399999, Ext: 1551

+91-77300-86061

Convener, NCETSGEVT-2021

Dr. K Narasimha Raju, Professor, EEE

+91-9666693394

conferences_eee@kluniversity.in

Co-Convener, NCETSGEVT -2021

Dr. M Kiran Kumar

+91- 9885482535

Co-Ordinator, NCETSGEVT -2021

Mr. D Kalyan

+91- 9700346365

Co-Ordinator, NCETSGEVT -2021

Mr. S Ravi Teja

+91- 8500916362

