

**1st INTERNATIONAL CONFERENCE ON
COMPUTER AND COMMUNICATION
APPLICATIONS IN
ELECTRICAL ENGINEERING
(CCAEE-2022)**

21st & 22nd February 2022

**Organized by
Department of Electrical and Electronics
Engineering**



**PACE Institute of Technology and Sciences (A),
Approved by AICTE, Accredited by NBA &
NAAC (A-Grade),
Recognized under 2(f) & 12(B) of UGC,
Permanently affiliated to JNTUK,
Kakinada, AP., An ISO 9001:2015
Certified Institution.**

Website: <http://www.pace.ac.in/ccaee/>

Address: NH-16, Vallur, Ongole, Prakasam District,
Andhra Pradesh, India. PIN - 523 272

ABOUT CONFERENCE

Recent improvements in Computer technologies make notorious advancements in communication and electrical engineering. This International Conference on Computer and Communication Applications in Electrical Engineering (CCAEE-2022) aims to bring all those advancements to one place by exchanging numerous authors' ideas and expert talks. The conference serves as a better platform to enrich research activities towards Electrical Engineering.

ABOUT INSTITUTE

PACE Institute of Technology and Sciences (A) is an autonomous college located at Valluru, Ongole, Andhra Pradesh. The institute was approved by AICTE and accredited by NAAC with an A grade. The institute was recognized under 2(f) & 12(B) of UGC. It is an ISO 9001:2015 Certified Institution. The institute won several Awards as the best institution at National Level. The institution continuously increases collaborative works and MoU's with several industries. The institute is striving hard to encourage academic and innovative research. The institute R & D wing motivates the students and faculty to research in the multi-disciplinary domain to provide innovative solutions to the industry and society.

ABOUT DEPARTMENT

Department of Electrical and Electronics Engineering was established in 2008. It offers a UG programme with an annual intake of 120. The department offers innovative teaching with hands-on training to the students to meet the requirements of industry and society through well-equipped laboratories under the guidance of highly qualified, experienced, and dedicated faculty. The Department continuously conducts several seminars, webinars, Guest talks, and Workshops to enrich students' abilities and Knowledge. The department students are encouraged to participate in co-curricular and extra-curricular activities inside and outside the institute for their overall development.

THEMES OF CONFERENCE

The conference covers a wide range of topics but is not limited to the following:

Power Electronics & Converters: Converters for Renewable Energies, Converters for Storage, multi-level converters, power electronics in consumer electronics, Hybrid Converters

Power Systems: Computer-Aided Power System Protection, Artificial intelligence in power systems, Power System Planning and Management, High Voltage Engineering, DC micro-grids, Power Quality, Power factor improvement, HVDC & FACTS Devices, Distributed Systems Smart, Micro-grids: Generation and transmission expansion, Pricing of electricity, Power markets, Smart meters, decentralized control of micro-grids, Power System Communication Networks, System Islanding and Restoration, Cyber-Security, different communication techniques

Electric Vehicles: Modelling, Simulation, and Control of EV Systems, Advanced Electrical Machines applications in Electric Transportation, V2G, G2V communication, SoC, SoH, Latest trends in battery management, bidirectional converters

Renewable Energy Sources: Solar energy & PV cell technology, Wind Energy, Fuel Cell Technology, Biomass and biofuels, Energy & Battery Management and storage

Optimization Techniques: applications in Electrical Engineering, Deterministic Algorithms, Stochastic Algorithms, Optimization methods with and without continents, application of optimization techniques for generation scheduling, load scheduling... etc

Industrial Automation & Computing: Cyber-Security, Industrial IoT, Machine Vision, Pattern Recognition, Signal and Image Processing, Hybrid Evolutionary Algorithms, Soft Computing, PLC's, Embedded systems, VLSI

Computer applications: Artificial Intelligence, Machine Learning, Data Science, IoT, Fuzzy Logic, Artificial Neural Network, their applications in Electrical Engineering in Load estimation, generation scheduling, load scheduling

INSTRUCTIONS FOR PARTICIPANTS

- ❖ CCAEE-2022 invites original manuscripts (which have not been submitted or published elsewhere in other conferences/journals) related to various techniques on Recent Developments in Electrical Engineering for presentation.
- ❖ All submissions will be peer-reviewed, and assessment will be based on the originality, novelty, and quality of the work presented.
- ❖ The registration of paper is ₹1000/- (including registration of one presenting author but excluding the publication fee)
- ❖ For each extra presenting participant registration fee is ₹250/-
- ❖ All presented participants will get the E-Abstract Volume and E-Certificate of Participation.
- ❖ All accepted papers will be published in OPEN ACCESS JOURNAL of repute (SCOPUS/ WOS Indexed Journal, SCOPUS Active Journal) depending on the corresponding author choice with additional fees upon acceptance after satisfactory peer-review the journal editorial board.
- ❖ **Note:** All mentioned authors' names will be printed in E-Abstract Volume, but paid authors only receive an E-Certificate of Participation.

ADVANTAGE FOR PARTICIPANTS

- ❖ The presented participants will get a conference participation certificate.
- ❖ The paper will get a chance to publish in the Open Access Journal.
- ❖ The publication process will be faster than regular publication, and you will get a 10 to 40% off in publication fee.

BEST PAPER AWARD

The Best paper awards are presented at the CCAEE-2022 conference to authors whose work represents revolutionary research in Electrical Engineering. The Cash Prize of ₹3000/-, ₹2000/-, and ₹1000/- will be given to authors who are declared the recipient of BEST PAPER AWARD along with the certificate.

IMPORTANT DATES

Starting Date of Full Paper Submission	05 th January 2022
Submission of Full Papers Deadline	31 st January 2022
Notification of Acceptance/ Revision request	05 th February 2022 [@]
Submission of Camera-Ready Paper Deadline	10 th February 2022
Author Registration Deadline	15 th February 2022
Conference Dates	21 st – 22 nd February 2022
Issue of E-certificate	24 th February 2022
Intimation of Publication	Depends upon the Peer-Review of Journal [#]

[@]First submitted papers would receive notification earlier.

[#]Visit the website regularly regarding this.

MODE OF PAYMENT

The Fee will be accepted only in UPI mode.

UPI ID	ccaee@ybl
Receiver Name	NARAYANAM RAGHUNADH

- ❖ No other mode of payment is accepted.
- ❖ No participation fee for foreign participants.
- ❖ Pay the fee only after receiving the confirmation mail from ccaee@pace.ac.in about paper acceptance.
- ❖ Once paid fee will not be reimbursed even the participant attended or not.
- ❖ We offer a 50% fee waiver in registration fees for PACE students, PACE Alumni, and PACE faculty.
- ❖ Contact us for a fee discount for bulk registration (more than 20 members from the same institution).
- ❖ The author who wants to present more than five papers contact us for a fee discount.

For more info, visit: <http://www.pace.ac.in/ccaee/>

All participants are advised to visit the website and check their emails regularly.

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Mrs. K Jeevana, Asst. Prof – EEE

Mr. K Poturaju, Asst. Prof – EEE

CONTACT

Mr. N Raghunadh, Asst. Prof – EEE

☎ +91- 9063003570

Mr. K Siva Reddy, Asst. Prof - EEE

☎ +91- 9848344313

✉ ccaee@pace.ac.in