

KEYNOTE SPEAKERS

Dr. Prahlad Vadakkepat, Associate Professor, Dept. of Electrical and Computer Engg., National University of Singapore

Dr. Praveen Tripathy, Associate Professor, Dept. of EEE, IIT Guwahati

Dr. Rajib Kumar Panigrahi, Associate Professor, Dept. of ECE, IIT Roorkee

Dr. Vijaya Saradhi, Assistant Professor, Dept. of CSE, IIT Guwahati

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Dr. Renu Jose, Associate Professor, Govt. College of Engineering, Dept. of ECE, RIT Kottayam

Dr. Bejoy Abraham, Associate Professor, Dept. of CSE, College of Engineering Perumon

Dr. Naveena A. K., Associate Professor, Dept. of CSE, College of Engineering Trikaripur.

Dr. Jaison Mathew, Assistant Professor, Dept. of EE, Govt. Engg. College, Thrissur

Dr. Gopakumar P., Assistant Professor, Dept. of EE NIT Calicut

Dr. Arun Raj Kumar P., Assistant Professor, Dept. of CSE, NIT Calicut

Dr. M. Surya Prakash, Assistant Professor, Dept. of ECE, NIT Calicut

Dr. Sudeep P.V., Assistant Professor, Dept. of ECE, NIT Calicut

PAPER SUBMISSION

Authors are invited to submit 4-6-page full paper containing original work in standard IEEE double column format for review. The conference proceeding shall be submitted for publication.

Abstract of 1000 words and full paper to be submitted to:

<https://cmt3.research.microsoft.com/ACCSET2021>

DATES TO REMEMBER

Submission of abstract – 05th March 2021

Intimation of acceptance - 10th March 2021

Submission of full-length paper – 10th April 2021

Intimation of acceptance of full-length paper - 25th April 2021

Camera-ready submission and final registration deadline: 30th April 2021

Dates of conference - 26th & 27th May 2021

Mode of Conference –Online Platform

REGISTRATION FEE

Registration Type	Registration Fee (Rs)
Faculty/Student Author from TEQIP funded institutes	2500 + Tax*
Student IEEE member	1500 + Tax*
Student Non-IEEE member	2000 + Tax*
Faculty/industry delegates IEEE member	2500 + Tax*
Faculty/industry delegates Non-IEEE member	2800 + Tax*

National Conference on



Advances in Computing Communication Signals Energy and Technology

ACCSET'21

26th & 27th May 2021

ONLINE

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ABOUT THE COLLEGE

The first college under the Co-operative Academy of Professional Education (CAPE), Thiruvananthapuram, established by Government of Kerala, started functioning in June 1999. The college is affiliated to APJ Abdul Kalam Kerala Technological University (KTU) approved by All India Council for Technical Education (AICTE). The College is NAAC accredited and ISO 9001-2015 certified. The college offers B-Tech courses in six Engineering streams with a sanctioned strength of 60 students in each branch per year. The college started Post Graduation program in Computer Application Department in 2010. The College is located at Vadakara, a region lying in the northern part of Kozhikode district. The college owns a 26-acre campus at Kakkoramala in Kurunthody in Maniyoor Panchayat of Vadakara.

ABOUT THE CONFERENCE

ACCSET'21 is the first national conference coordinated by the Electrical and Electronics Engineering, Electronics and Communication Engineering, Computer Science and Engineering and Information Technology departments of the Institute with the theme "Technological solutions for evolving society". It is scheduled to be held from 26th to 27th of May 2021 at College of Engineering Vadakara, Calicut. The conference is intended to provide a forum for researchers and engineers from broad fields of electrical, electronics, instrumentation, computer and information technology to share ideas and disseminate research findings in emerging areas of signal processing, communication, power, computation and other fields of technology. The technical program is proposed to have keynote lectures and technical sessions.

SUBMISSION GUIDELINES

- Abstract of the full paper has to be submitted before 20th February 2021.
- Full papers submitted on or before 30th March 2020 will only be accepted for presentation.
- At least one of the authors should register and present the paper in the conference.
- Best paper award will be given for outstanding & innovative paper presented in each track

CONFERENCE THEMES INCLUDE, BUT NOT LIMITED TO:

Considering the broad area of the conference it is planned to be conducted in the following four parallel tracks. Topics of interest in each track include, but not limited to, the following:

Track 1: Signal Processing and Communication:

Audio/Acoustic/Speech signal processing, Image processing, Intelligent signal processing for communications, Optical signal processing, Remote sensing, Array processing, Multidimensional signal processing, Wavelets and filter banks, VLSI signal processing systems, Bio inspired signal processing and Biomedical Signal Processing, Communication theory, High speed networks, Green communication, Cognitive radio, Next generation networking and wireless systems, Satellite communication, Microwave and radar communication, Intelligent communication systems and network protocols, Cooperative communications, Underwater wireless communications, Information theory, Micro-electronics and nano electronics, Antenna design and RF propagation, Nano technology, Embedded systems, Materials for electronics, Digital & analog circuits and application, VLSI.

Track 2: Instrumentation & Control:

Adaptive/Robust systems and control, Process control and industrial automation, Robotics and automation, Sensors and instrumentation systems, Aerospace / Flight Control and Surveillance systems, Biomedical instrumentation and control, Emerging control theory and applications, Fractional order systems and control, Hybrid systems, Intelligent control and instrumentation, Embedded systems, Avionics.

Track 3: Power, Energy Systems & Power Electronics:

Sensor technologies for wide area monitoring and control in smart grid, Energy management and communication requirement for EV integrated active distribution network, Control techniques for renewable energy systems, Application of IoT in smart grid, Application of artificial intelligence in smart grid, Modelling of distributed generators, Power quality assessment in microgrid environment, Reliability enhancement by integration of renewable sources to grid,

Data mining techniques applied to smart grid, Security against cyber-attacks, Robust communication technologies for resilient smart grid, Bad data detection techniques for big data, Power system modelling and simulation, Power quality and FACTS Technologies, Control techniques in Power Electronics, Energy conversion techniques, Power electronics and drives, Modelling, simulation and control of power converters, Power converters for renewable energy systems, Power semiconductor switches and soft switching, Fault diagnosis, condition monitoring, and reliability of electric drives.

Track 4: Innovations in computing, Communication & Information Security:

Artificial intelligence, Data mining, Big data analytics, Machine learning techniques with applications, Computer networks, Ad-hoc networks, Sensor networks and network security, Natural language processing, Software development and testing, Embedded systems and automation, Cloud computing and security, Mobile smart phone and tablet security, Web application security solutions and best practices, Security threats and vulnerabilities, Web/Internet security, Computer forensics, Hardware security, Multimedia security, High performance computing architecture, National approaches and policies in cyber security, Government cyber security strategy.

CHIEF PATRON

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