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Conference Website :

<http://iciccsems.com/>

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INTERNATIONAL CONFERENCE ON



Intelligent Control and Computation for Smart Energy and Mechatronic System (ICCSEMS-2020)

20-21 March 2019

Organised by
Department of E&CE, CSE and
Information Technology

JSS Academy of Technical Education

C-20/1, Sector-62, Noida-201301

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About JSS Mahavidyapeetha

JSS Mahavidyapeetha was established in the year 1954. The Jagad-guru Sri Shivarathreeswara Mahavidyapeetha has been described by many eminent educationists as greater than a University, because under its aegis a child can begin its education in the kindergarten and proceed to earn a degree as well as a doctorate in several branches of learning. Simultaneously the Mahavidyapeetha has not neglected to strengthen the roots of our ancient knowledge, wisdom and culture and their application in the day-to-day life. Sanskrit Pathashalas, Yoga Kendras, Spiritual Retreats, Gurukuls, Art and Cultural forums are doing this work. Today the Mahavidyapeetha has grown into a center of learning that guides more than 350 institutions spread throughout Karnataka, neighboring Tamil Nadu and also in the far Uttar Pradesh; and outside India including USA, Mauritius and Dubai. Every year thousands of aspirants of education and knowledge join the fold of the Mahavidyapeetha. Distinguished national leaders including the first President of India, Dr. Babu Rajendra Prasad, the former President Dr. A P J Abdul Kalam, Former Prime Minister Sri Atal Behari Vajpayee have visited JSS and paid rich tribute to services rendered by the Mahavidyapeetha.

About JSS Academy of Technical Education, Noida

JSS Academy of Technical Education, Noida (JSSATEN) is one of the leading Technical Institutions in the NCR in the State of Uttar Pradesh. Established in the year 1998 by JSS Mahavidyapeetha, Mysuru, the Institution has set benchmarks every year, and grown into an Institution of Excellence in Technical Education. The Institution has MOUs with Colorado Heights University, Denver, USA for student exchange program, IBM Centre of Excellence, Texas Instruments Centre of Excellence, Nokia Mobile Innovation Labs, e-Yantra Embedded & Robotics Lab funded by MHRD under NMEICT, PLMCC, Schneider Electric Substation Automation Labs, Emerson Innovation Center and Centre for Innovation & Design are additional facilities for the students to innovate new ideas. JSSATEN is proud to mention that it has created necessary manpower and infrastructure to implement Outcome Based Education from the year 2014-15. Today, JSSATEN has total student strength of over 4000, who are mentored by more than 221 Faculty Members. The Campus has the finest accommodation for girls and boys.

Recently, the Institute has been engaged in various Government of India flagship programmes such e.g-Digital India Initiatives Promotion Schemes, Swachh Bharat Abhiyan, Swachh Bharat Summer Internship (SBSI), Pradhanmantri Kaushal Vikas Yojana (PMKVY) and many more towards the upliftment of the community as a part of its Institutional Social Responsibility (ISR). The Institute, further aim to Intensify its efforts to play active role in extending Government of India flagship programmes and its own initiatives to contribute in community building and skill development through its social outreach programmes. For more

VISION

"JSS Academy of Technical Education, Noida aims to become an Institution of excellence in imparting quality Outcome Based Education that empowers the young generation with knowledge, skills, research, Aptitude and Ethical values to solve Contemporary Challenging Problems."

MISSION

- Develop a platform for achieving globally acceptable level of intellectual acumen and technological competence
- Create an inspiring ambience that raises the motivation level for conducting quality research
- Provide an environment for acquiring ethical values and positive attitude

About the Conference

The conference is aimed to gather scientists, engineers, academicians and industry personnel to discuss Intelligent Control and Computation techniques applied to Smart Energy and Mechatronic Systems. The scope of the conference encompasses the following four tracks

1. SMART ENERGY SYSTEMS:

Resilient/adaptive grid infrastructures design, planning, operation and management; Electrical Machines and Industrial Drives; Power Electronics Converters; FACTS, active power filters, power quality monitoring and performance enhancement; Demand Response; Resilient Control Architectures and Systems for Smart Energy systems; Renewable energy, wind, solar, fuel cells and distributed generation within microgrids; Energy Storage Technologies and Systems; Transportation Electrification and Electric Vehicles; Computational intelligence and optimization for smart energy systems; Smart metering, measurement, instrumentation, and control; Energy efficiency; Information, security and privacy for smart energy systems; Sensors, communications and network.

2. SMART HOMES, BUILDINGS AND CITIES:

A. Sustainability : Climate change, urban growth, zero carbon & green building, water & waste management, urban regeneration, urban green, energy efficiency, renewable energy sources, product cycle, non-motorized mobility, public transportation, electric vehicle, GIS applications.

B. Environment : Climate change, water & waste management, air pollution, urban green, urban agriculture, GIS applications Environmental management systems, Environmental impact assessment systems, Environmental Sustainability and Development

C. Urban planning : Regeneration, transform, urban development strategies, built environment, public space, urban growth, GIS applications, Real time urban information systems, Sustainable smart cities, Smart tolling

D. Green infrastructure : Smart technologies to face climate change (mitigation/ adaptation), Design for new cities/townships, Novel sustainable building materials and techniques, Sustainable energy management in buildings, Zero CO₂ and energy plus buildings, Heating and ventilating control systems for reduced energy use.

3. CONTROL, MECHATRONICS, ROBOTICS, ADVANCED MATERIALS & MANUFACTURING:

Control Systems and Applications; Mechatronics and Robotics; Computational Intelligence & Signal and Image Processing; Sensors, Actuators and Micro-Nanotechnology, control of intelligent sensor systems, modeling and real time simulation technique, Neural and fuzzy control, system identification and adaptive control; motion, vibration and noise control; human machine interface, optomechatronics; Smart materials, FGM, 3D Printing, CAD, CAM.

4. INFORMATION AND COMMUNICATION TECHNOLOGIES:

Electronic Systems on Chip and Embedded Systems; Cyber Physical Systems and Internet of Things; Artificial/Computational Intelligence; Advanced Data Mining, Communications for Industrial and Factory Automation; Cloud and Cognitive Computing; Big Data; Industrial Informatics, Information Security, data science and algorithm

Publication Details

Each submitted will be peer reviewed and only well-researched and well written papers will be accepted for presentation. Extended version of some presented papers will be selected and submitted for publication in reputed UGC/Scopus indexed journals.

Important Dates

Paper Submission Deadline	15 December 2019
Notification of Acceptance	15 January 2020
Early Bird Registration	5 February 2020
Regular Registration Deadline	20 February 2020

Registration Fee Details

Categories	Indian Authors(INR)		Foreign Authors from SAARC countries (USD)		Other Foreign Authors (USD)	
	Early Bird (registration before February 5, 2020)	Registration after February 5, 2020	Early Bird (registration before February 5, 2020)	Registration after February 5, 2020	Early Bird (registration before February 5, 2020)	Registration after February 5, 2020
Academic Professionals & Researchers	6000	7000	100	150	200	250
Full Time Students *	5000	6000	100	150	200	250
Other Professionals	7000	7500	100	150	200	250
Poster Presentation	3000	5000	75	100	100	150
Extra Page Charges	1000 per page		15 per page		20 per page	
Delegates (Attendance)	2500 for two days		75 for two days		150 for two days	
	1500 for one day		50 for one day		100 for one day	

NOTE:- 20% discount on registration charges above for IEEE members.

Mode of Payment

- DD drawn in favor of "JSSATE College Account" payable at Noida.
- NEFT transfer: A/C-51010004890034, Corporation Bank, Sector-31, Noida, IFSC Code-CORP0002079

Submission Guidelines

Papers shall be submitted at <https://easychair.org/conferences/?conf=icicsems2020>. For detailed guidelines, please refer the conference website

Accommodation

Accommodation will be provided to participants with prior request on sharing basis in College Hostels with nominal charges.

Contact Email:

internationalconference@jssaten.ac.in

*All registration charges are including applicable GST.

**Those opting for online payment mode need to submit proof of transaction with registration form.

About the Department of Electrical and Electronics Engineering

The Department of Electrical and Electronics Engineering is the youngest department at JSS Academy of Technical Education, Noida, established in the academic year 2014 with an intake of 60. It holds pride in equipping the young minds with a curriculum in Electrical and Electronics Engineering at the undergraduate level which lays a strong foundation of basic and advanced Electrical and Electronic Engineering concepts. In addition to theoretical education, hands on experience are imparted to the budding engineers with the help of state-of-the-art laboratories.

From creation of systems to provide power for homes and industry, the department makes an impact in the quality of life world-wide. As proficient engineers, the students of Electrical and Electronics Engineering will have a strong background in Mathematics, Physics, and Chemistry, a broad base in the humanities and social sciences, as well as introductory engineering coursework. The program in Electrical and Electronics Engineering encompasses all areas of research, development, design, and operation, in the field of powering our world from renewable energy sources, creation of electronic devices, Power electronic circuits to drive robots and electric vehicles, Communications and signal processing. The graduates are equipped to undertake important and challenging positions in industries, academia and research. Important personal attributes that has been imbibed in them include the art of self-learning, teamwork, and an appreciation for ethical conduct. <http://jssaten.ac.in/Academics/eee/>

About the Department of Information Technology

The department of information technology aims at designing, developing, implementing and managing computer-based information systems that are capable of storing, transmitting and retrieving all types of information. The IT department offers bachelor of technology programme in information technology .A professional of this area should possess excellent analytical ability , ability to adapt learn new technologies , good problem - solving and troubleshooting abilities and communication skills. Apart from providing opportunities for classroom learning , the department of information technology lays a lot of stress on practical and skill-based learning to ensure that students grow into complete IT professionals . The faculty and staff are well qualified and efficient in guiding the students in all aspects of the field of IT

About the Department of Computer Science and Engineering

The department of computer science and engineering (CSE), established in 1998 is one of the oldest departments of this institution . The faculty members and technical staff are involved ,not only in classroom teaching but also in project guidance , industrial interactions , research activities ,seminars , workshops, various co-curricular activities and beyond curriculum training, aiding in the holistic development of the students.

It offers a four year degree programme in computer science and engineering with an annual intake of 120 students and two year M.Tech post graduate programme in computer science with an annual intake of 18 students.

A great deal of emphasis is laid on industry-academia interaction. The department boasts of IBM's center of excellence ,Nokia research labs and SAP university alliance under which workshops and mentoring sessions on latest technologies and products are organised with resource persons from industries as well as from the departments itself.