CKCE 2020

7thInternational Conference on

Knowledge Collaboration in Engineering





Approved by AICTE, New Delhi Affiliated to Anna University, Chennai

NAAC Accredited College

"Wisdom Tree", Avinashi Road, Neelambur, Coimbatore, Tamil Nadu - 641 062, India



Theme:

Caring and Nurturing the Individuals / Environment to Make it Safe for Generations - the Role of Engineers and Scientists

About the Institution

Kathir College of Engineering is a 'NAAC" accredited institution at "Wisdom Tree", Neelambur, Coimbatore offering undergraduate professional programs like Civil Engineering, Computer Science Engineering, Electrical & Electronics Engineering, Electronics & Communications Engineering and Mechanical Engineering. The institution also offers Post Graduate programs like Manufacturing Engineering, Power Electronics & Drives, Applied Electronics and Master of Businees Administation.

The institution was established in the year 2008 by Lamika Educational and Charitable Trust to hone the skills and abilities of students by offering good blend of on-campus education and off-campus industrial exposure to bring out the best in them to deliver their appropriate services to the society.

Dedicated teams of in-house faculty/staff, guest faculty, industry torch-bearers, alumni and infrastructural facilities are in place to facilitate learning by the students with the required soft and life skills.

Theme of the Conference

Caring and nurturing the individuals / environment (eco system) to make it safe for generations.

"Arivudaiyar Aavathu Arivaar" - the words of great saiva saint Thiruvalluvar reminds all of us the importance of Knowledge and Wisdom. With the vision of the caring and nurturing the individuals / environment which is possible only by sharing the advances in technological developments to the all concerned individuals, the theme of ICKCE 2020 is designed to provide whole sum knowledge to make this earth safe for generations.

ICKCE 2020 is a platform to share/acquire knowledge and findings in multiple diverse fields of engineering. It provides an opportunity to enhance the knowledge for clever and creative application of scientific knowledge to design / develop systems to the benefit of living kind, including man-kind.

The growth of technological developments and requirements of sophisticated life style of humans result more and more exploitation of natural resources, only to the detriment. The motto of the conference is to derive the benefits by balancing technological development with the sustainability; in line with the Ministry of Human Resource Development – Government of India, ICKCE 2020 aims to balance socioeconomic fabric by nurturing and caring for Lokah Samastah Sukhino Bhavantu (May all beings live happy and free, with a better quality of life).

ELECTRONICS AND COMMUNICATION TECHNOLOGIES

- · Communication Technologies
- · Digital Signal Processing / Image Processing
- · VLSI Design & Technology
- · Optical Network & Switches
- · Impact of RF Radiation on environment
- · Embedded Systems & Technologies
- · Artificial Neural Networks
- · Biomedical Signal Processing
- · DSP and FPGA based Systems
- · Embedded systems & RTOS
- · ASIC & SOC
- · Nano-fabrication & Computing
- · Integration of Electronic Systems
- · Internet of Things
- · Augmented Reality
- · Ad Hoc and Wireless Networks

ELECTRICAL, INSTRUMENTATION, CONTROL AND OPTIMIZATION TECHNOLOGIES

- · Energy Storage Devices & Systems
- · Flexible AC Transmission Systems
- · Intelligent Energy Distribution & Management
- · Power Electronics & Drives / Power Quality Issues
- · Adaptive & Learning Control
- · Non-linear Systems
- · Process Control & Control Systems
- · Industrial Automation / Renewable Energy Applications
- · Distributed Control Systems
- · Electrical Machines
- · Fuzzy Logic Control
- · High Voltage Engineering
- · Intelligent Automation

MECHANICAL, AERONAUTICAL AND CIVIL ENGINEERING

- Green Logistics & Supply Chain Management
- · Smart Materials & Nano Materials
- · Optimization Techniques / Reverse Engineering
- · CAD / CAM / CIM
- · Robotics / Mechatronics
- Computational Fluid Dynamics
- · Thermal Management / Heat Transfer
- Hybrid & Electric Vehicles / Alternate Fuels
- MEMS / NEMS Technologies & Applications
- · Intelligent Transportation Systems
- · Thermal Engineering
- · Fluid Engineering Systems & Technologies
- · Dynamics, Vibration and Control
- · Finite Element Methods
- · Fracture Mechanics
- · Advanced Materials, Composites & Manufacturing
- · Green Manufacturing
- · Product Development strategies
- Industry 4.0

COMPUTING AND INFORMATION TECHNOLOGIES

- · Artificial Intelligence
- · Semantic Web & Ontology
- · Database Management Systems
- · Data Warehousing & mining
- · Grid Computing / Cloud Computing
- · Distributed & Parallel Computing
- · High Performance Computing & Networks
- · Fuzzy Systems
- Soft Computing
- · Computational Methods, Algorithms
- · Scientific Applications

MANAGEMENT STUDIES

- · Technology Management
- · Innovations- Implications of Green Technology
- Green Management
- Managerial Challenges of Green Technology in Contemporary Society
- · New Frontiers in Green Technology

SCIENCE & HUMANITY

- · Renewable Energy / Storage / Management
- · Energy & Environment
- · Environmental Sciences
- · Graph Theory
- · Safety, Reliability and Risk Assessment
- · Industrial & Pollution Control

Topics are not limited to the aforesaid

CONFERENCE PROCEEDINGS & JOURNAL PUBLICATIONS

Submitted papers would be reviewed by technical committee to select papers for oral presentation in the technical session of conference.

The papers accepted for oral presentation would be published in the proceedings of conference in electronic / print form with ISBN. At least one of the authors of the paper need to register and attend the conference in person by paying the prescribed registration fee. Registration fee includes Conference Kit, Refreshment and Working lunch.

Further, the extended version of the presented papers would be recommended for publication in peer reviewed journals (Indexed by Scopus / Anna University listed Journals) with the consent of authors by paying extra publications fees, if any.

Important Dates

Full Paper Submission : 2nd March 2020

Paper Acceptance : 7th March 2020

Camera Ready Paper Submission : 11th March 2020 Last Date for Registration/ Payment : 11th March 2020

Conference Date : 20th March 2020

Fee Details

Category Indian Foreigner
Students/Research Rs.2000/- USD 50

Scholar

Academicians Rs.2500/- USD 100

Industry and Other

Delegates Rs.3000/- USD 150

Mode of Payment

Payment can be made in favour of 'ICKCE Kathir College of Engineering' payable at Coimbatore (or) Through Bank Transfer to Tamilnadu Mercantile Bank Ltd, Neelambur, Coimbatore.

A/C No : 224100050302544 IFSC code : TMBL0000224 MICR code : 641060011

Information to Authors

Original and unpublished research papers of **not** more than six pages are solicited. All the papers need to follow the IEEE format and need to be submitted by Email (ickce2020@kathir.ac.in). Detailed instructions on the paper format & Registration form can be found in the conference website: www.kathir.ac.in & www.ickce2020.com. Atleast one author need to orally present the paper in person after acceptance.

Contact Details

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