

Advisory Committee

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Dr. Jovitha Jerome, PSG College of Technology, Coimbatore
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Dr. P.V.Mohanram, PSG College of Technology, Coimbatore
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Dr. D.R.PrasadaRaju, DST, New Delhi
Dr. P.Radhakrishnan, Director, PSG Institute of Advanced Studies, Coimbatore
Dr. B.Ramamoorthy, IIT Madras, Chennai
Dr. V.Ramanarayanan, Indian Institute of Science, Bangalore
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Mr. B.P.Rao, Bharat Heavy Electricals Limited, New Delhi
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Dr. S.N.Sivanandham, PSG College of Technology, Coimbatore
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For clarifications and further details, contact:

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International Conference on Intelligent Design and Analysis of Engineering Products, Systems and Computation

July 9 & 10, 2010

INTERNATIONAL
CONFERENCE



**SRI KRISHNA COLLEGE OF
ENGINEERING & TECHNOLOGY**
COIMBATORE 641 008, INDIA





About the College, Departments & Facilities

Sri Krishna College of Engineering and Technology was established in the year 1998. The College is approved by AICTE New Delhi and it is affiliated to Anna University Coimbatore and Chennai. It has completed a decade of dedicated service in the field of technical education. It has been recognized for its innovative technology programs and visionary leadership in education.

The UG programs in Engineering and Technology in the college are accredited by National Board of Accreditation, New Delhi and also ISO 9001:2000 certified by TUV for quality education.

The core values of the college are adaptability to the latest innovation in various technical fields, collaborative team work, student centered learning and emphasis on problem solving methodology.

The college is located on a campus sprawling over 50 acres in Sugunapuram. The mountains backdrop with evergreen pristine grandeur adds to the teaching – learning process. It is located in a

serene atmosphere and it is at an elevated state on the left of the National Highway 47 leading to Palakkad from Coimbatore. The distance from Coimbatore Railway station is approximately 8km, from Gandhipuram Bus station is about 11km and from Coimbatore Airport is about 20km.

The college has eight departments offering 4-year B.E./B.Tech programs in Mechanical Engineering, Mechatronics Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering, Computer Science & Engineering, Information Technology and 3-year BSc programs in Computer Technology, Information Technology and Masters programs in CAD /CAM, Communication Systems, Computer Science & Engineering, Computer Applications, Business Administration, Software Engineering and Computer Technology. The college has highly qualified, experienced and dedicated faculty. More than 5 lakh Square feet area is available for instructional purposes, comprising class rooms and laboratories. There are 13 state of the

art computer laboratories with 1200 terminals. Labs are created with a futuristic vision to meet the changing requirements in the industry. There is a 8Mbps (1:1) leased line Internet connectivity available and all systems in the campus are networked along with WiFi access all over the campus.

The college has an excellent central library block of fully air conditioned 55000 Square feet area with more than 39000 volumes and 708 periodicals which include 399 foreign journals. Access to all the e-journals and e-books through intranet is also available.

A fully air conditioned multipurpose hall with a seating capacity of 2000 and indoor games facility is available on the campus.

The college has signed MOU with CII, CODISSIA, National Instruments (USA), Infosys, TUV, IBM, TCS, NIC, Intel, Cameron, Rover Components Limited -Coimbatore, University of Wyoming USA, Collab CAD & BSNL.

There are separate halls of residence for Men and Women students.

Objective & Scope

The objective of the conference is to bring forth Researchers, Educators, Professional Engineers and Technologists into a single forum in order to discuss & debate on the innovative and intelligent design of engineering products, processes, and computing systems. Further, analysis of various engineering systems and incorporation of automation in these systems will be discussed.

It is hoped that at the end of the conference there will be possible solutions and conclusions on the challenges emerging out of the theme.

The scope of the conference will be fulfilled through discussion of the papers on the following topics:

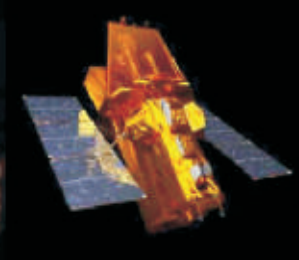
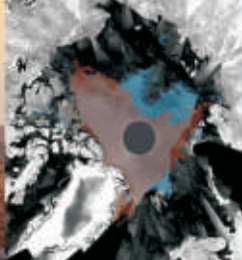
- Product Design and Development including FEA applications
- New Material Design
- Nano Materials and Technology
- Design and Analysis of Manufacturing process including Lean, Agile, Supply - Chain process
- Automation of Systems
- New Vehicle Design and Analysis
- Design and Analysis of Thermal Systems
- Analysis of Turbo Machines
- Robotic Systems, Sensors and Applications
- Virtual Instrumentation System
- Dynamics of Mechanical and Mechatronics Systems & Applications
- VLSI Design
- Wireless and Sensor Networks
- Digital Signal and Image Processing
- Speech Processing
- Medical Electronics
- Information Retrieval and Internet Applications
- Software Engineering
- Artificial Intelligence and Applications
- Databases and Applications
- Real Time Systems
- Pattern Recognition
- Computer and Network Security
- Programming Languages
- Distributed and Parallel Processing
- Mobile Computing
- Soft Computing
- Power Electronics and Drives
- Power Quality Issues
- Power System Automation
- Smart Grid
- Intelligent Electrical Systems
- Renewable Energy Technologies
- High Voltage and Insulation Technologies
- Modelling and Simulation of Systems

Call for Papers

Authors are requested to submit full papers on any of the above topics and topics related to the above as per the IEEE conference proceedings format.

Easy Chair is a free conference management system and our conference is managed using this system. Papers for the conference should be submitted through the Easy Chair login page: <http://www.easychair.org/conferences/?conf=idaepsc10>

The best 50 accepted papers will appear in IEEE-Xplore digital library. However, all accepted papers will appear in the conference proceedings. Further, selected papers will be published in reputed international journals.



Deadlines

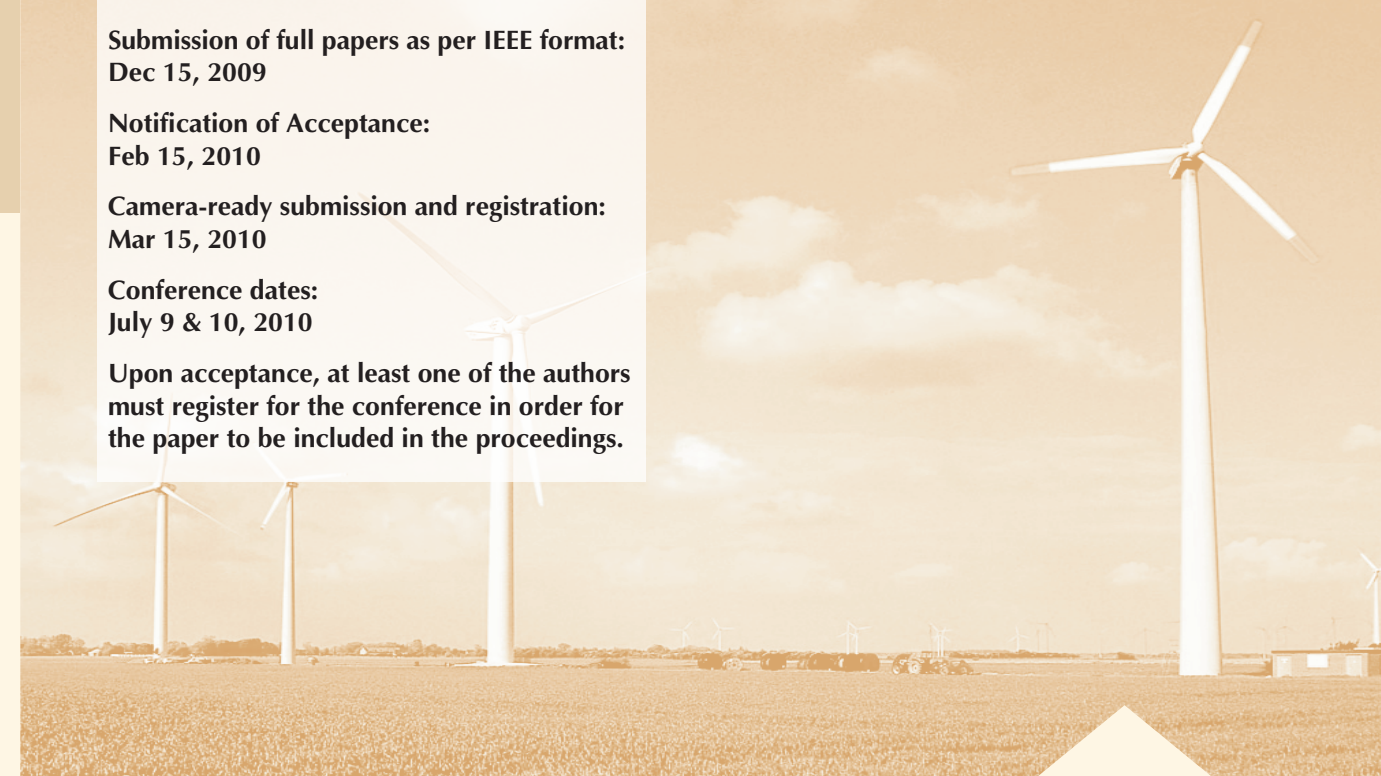
Submission of full papers as per IEEE format:
Dec 15, 2009

Notification of Acceptance:
Feb 15, 2010

Camera-ready submission and registration:
Mar 15, 2010

Conference dates:
July 9 & 10, 2010

Upon acceptance, at least one of the authors must register for the conference in order for the paper to be included in the proceedings.



Conference Program

The papers of the conference will be divided into three broad tracks, namely Mechanical & Mechatronics, Electrical & Electronics & Communication and Computing. The proposed schedule of events is:

July 9, 2010

Morning : Inauguration + Keynote Address on an integrated topic

Evening : Parallel Paper Presentation Sessions

July 10, 2010

Morning : Parallel Keynote Addresses + Parallel Paper Presentation Sessions

Evening : Parallel Paper Presentation Sessions followed by Panel Discussion

Accommodation

Accommodation will be provided in the hostels inside the campus and in nearby hotels in Coimbatore on request. On prior intimation, reservation will be made in hotels in Coimbatore city. Hotel tariff ranges from Rs.1000 to Rs.7000. Transport will be available from the hotels to the venue of the conference.

About Coimbatore

Coimbatore, also known as the Manchester of South India, is home to a large number of textile mills, textile machinery manufacturing industries, hosiery units, foundry and other engineering industries. Coimbatore is the second largest industrial city in Tamilnadu, a southern state in India and is identified as one of the fastest developing cities. There are about 50,000 small, medium and large scale industries. It has emerged as the important educational hub in this part of the country. It has 7 universities, more than 40 Engineering colleges and 100 Arts & Science colleges. Coimbatore city is strategically located at the junction of the three modern southern states - TamilNadu, Kerala and Karnataka with proximity to many important cities of southern India. It is well connected by air and surface transport. This friendly city which has a salubrious climate and is surrounded by major tourist spots, has always been a natural favourite with international tourists. The scenic hill stations of Ooty, Munnar, Yercaud and Kodaikanal, the historic temples of Perur and Palani, the historic city of Madurai, the nearby exciting Kerala with its enchanting back-waters and ayurvedic health resorts, to name a few, are all a few hours of drive from Coimbatore.

