

AICON'19
(26th – 27th April, 2019)

All India Conference

On

“New Age Skills
in Mechanical and Mechatronics Engineering”



Organised by:

Department of Mechanical Engineering

Department of Mechatronics Engineering

Chhatrapati Shivaji Institute of Technology, Durg

(ISO 9001: 2015 Certified, NBA & NAAC Accredited Institute)

Managed by: Shivnath Shikshan & Seva Samiti

Approved by: AICTE, New Delhi & Affiliated to CSVTU, Bhilai

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OBJECTIVE:

The objective of the conference AICON'19 going to be held on “New Age Skills in Mechanical and Mechatronics Engineering ” is to bring together the researchers, scientists, academicians and industry experts on a common platform to exchange and share their experience and research results on relevant topics. It also provides a platform to showcase innovative ideas, on-going research, methods and results with some futuristic theme in engineering and technology.

SCOPE

Research articles/papers are invited in the following area but not limited to:

Mechanical Engineering:

Finite element analysis

Control systems

Finite volume method

Cryogenic materials and equipment

Fracture mechanics

Virtual prototyping and manufacturing

Smart and composite materials

Artificial neural network

Optimization Techniques

Application of Soft Computing Tools in Mech. Engg.

Advances in Operation research and decision methods

Advancement in Machine Tools & Metal Cutting.

Expert System in Engineering

Product Design and Development

CAD/ CAM/ CAE.

Image based modeling

Mechanism and Machine Theory.

Vibration Analysis and Control.

Computational Fluid Dynamics.

Expert System in Manufacturing Systems/Processes.

Industrial Engineering and Management.

Micro/ Nano-Technology.

3D printing and scanning technologies.

Obstacle tracking system

Advances in Manufacturing Technology

Renewable Sources of Energy

Thermal Systems

Mechatronics Engineering:

Smart Consumer Products

Network-centric and Distributed Systems
Robot assisted surgery
Autonomous Technology
Applications of AI Techniques in Design and Manufacturing
Automation
Micro-Machining
Instrumentation and Control
Robotics and Automation
Robotics and Mobile Machines
Dynamic Systems and Control
Diagnosis and Monitoring in Mechatronics Systems
Intelligent Processing of Materials
Nano Technology
Micromachining and Micro-system technology
Nano and Micro Materials, Devices and Systems
Design and Green Manufacturing
Globalization of Engineering
Mechatronics and Intelligent Machines

ABOUT THE DEPARTMENT:

The Department of Mechanical Engineering of CSIT has been functional since the inception of the Institute in year 1999. The department offers UG course with an intake of 90 and a PG course in Industrial Engineering and Management for the young aspirants with a sanctioned intake of 18. The department is recognized as research centre for Ph.D. aspirants by C.S.V.T.U. Bhilai and has been consistently enhancing its research and development activities. The Department is well equipped with all the best resources ensuring high quality education to the students. The Department derives its excellence from the team of highly qualified, experienced, sincere and dedicated teaching faculty members. The Department is well recognized for its well equipped Laboratories and Workshops where students get good exposure to learn and understand the industrial practices, machines, project works and experimental works. The department is approved as research centre that will enhance research activities. The department has Renewable Energy Cell that has been involved in developing clean and green technologies for rural and urban masses at lower costs. The cell executes its research and development activities for dissemination of sustainable products based on Solar Energy.

The Mechatronics Engineering Department was started in the year 2009 and CSIT is the only institute in the region to have this futuristic branch of Engineering. The Department has an intake of 45. The Department has well equipped labs, software and the qualified and experienced faculties who provide the much needed exposure to the budding engineers.

Eligibility

Research Scholars
Academicians from Engineering Colleges
Professionals from Industries

Important Dates:

Full Paper with abstract	: 23 rd March 2019
Acceptance Information	: 1 st April 2019
Presentation Dates	: 26 th – 27 th April 2019

Registration Fees:

For Researchers	:	Rs. 1000/-
For Academicians	:	Rs. 1500/-
For Industry Professionals	:	Rs. 2000/-
Co-Author's Certificate	:	Rs. 300/-

Accommodation:

Outstation candidates are likely to be accommodated in the college campus hostels (boys and girls) on request. Participant willing to stay in hotel may send their request well in advance for booking at their cost.

Guidelines for Submission:

Prospective authors are invited to submit papers through easy chair reflecting original, unpublished work in the above mentioned fields. Papers should not exceed six pages including results, figures and references .Manuscript templates are available on the website

http://www.ieee.org/conferences_events/conferences/publishing/templates.html

The CD ROM proceedings of accepted papers will be made available at the conference.

Only the papers that will be presented at the conference will be sent to the reputed international journals for publication on payment basis. Only electronic submissions with word files will be accepted via Easy Chair website.

Authors are expected to present their papers at the conference upon acceptance and the presenting authors are required to register for the conference.

Pre Registration Form
Chhatrapati Shivaji Institute of Technology, Durg
AICON – 19
ALL INDIA CONFERENCE
April 26th – 27th, 2019

Name

Designation

College /Organization

Address

.....

.....

Phone No

Mobile No (If any)

E-Mail

Fax :

I shall attend / present paper

.....

Title of the paper:

.....

.....

Accommodation required: Yes No

Details of Registration Fee:

DD No, & Date

Bank

Signature of sponsoring authority

DD in favour of Director CSIT Durg, Payable at Durg

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