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Registration Form

3rd National Conference On Mechatronics, Computing & Signal Processing

29th-30th APRIL 2022

1. Name : ....
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4. Research Area: ....
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3rd National Conference On Mechatronics, Computing & Signal Processing 29th-30th APRIL 2022

(Online Conference through Zoom)

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Organised by:

Department of Electronics and Communication Engineering
School of Engineering and Technology
Bhubaneswar Campus
CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT
At : Ramchandrapur, Po : Jatni, Dist : Khurdha, PIN : 752050
Odisha, India, Email: mcsp@cutm.ac.in

Website: https://sites.google.com/view/mcsp2022/home

About the University

Centurion University is a State-enacted University which was established in the year 2010 by an act of the state legislature. Centurion University is accredited with NAAC "A" grade. School of Engineering & Technology (SoET Bhubaneswar Campus) is a constituent college of Centurion University of Technology & Management which is the First Multi-Sector State Private University in Odisha recognized by AICTE. SoET BBS draws on the experience of highly qualified faculties, emeritus professors and industry personnel. The Institute has excellent infrastructure and state-of-the-art equipment. The institute has a global perspective coupled with a global academic interface. Sprawling across 40 acres, Bhubaneswar Campus is located within the Bhubaneswar Development Authority (BDA) area, established in the year 2008. The institute presently has an intake of 1000 students across five branches. Bhubaneswar campus has created a unique niche by providing opportunities for inclusive education of international standards.

About Department of ECE

The Department of Electronics and Communication Engineering aims to train qualified and dynamic engineers in the rapidly evolving fields of Smart Devices, Mobile Emerging Technologies, Automation, Industrial IoT, and VLSI. The Department has advanced and current laboratory equipment as well as software/tools (ANSYS, CADENCE, MATLAB, MULTISIM, KEIL uVision, LABVIEW) for research and development in the areas of Antenna and Microwave Engineering, Signal Processing and Communication, VLSI and Embedded System. The ECE department works on real-time application projects in Smart Irrigation, Industrial IoT, Soil Moisture Prototyping, Insulin Pump Prototyping, and Chip Design. A Robotics Club is functional in the department since 2009. The department has its own departmental library, along with the main library, to facilitate the departmental students.

Contact us:

Dr. Harish Chandra Mohanta
Associate Professor, Dept of ECE
School of Engineering & Technology, BBSR Campus, CUTM
At : Ramchandrapur, Po : Jatni, Bhubaneswar,
Dist : Khurda, PIN : 752050
Mob- +91 7008394417, Email: mcsp@cutm.ac.in

Objective

The scope of National Conference is to provide a multidisciplinary platform for the exchange of ideas and knowledge among interested researchers, students, academician, and practitioners in the areas of Mechatronics, computing and Signal Processing. The conference will strengthen the relationships with other institutions and scientists, industry personnel and facilitate joint research programmers in these highly challenging areas.

Call for Papers

Mechatronics is a multidisciplinary field of engineering that includes a combination of system engineering, mechanical engineering, electrical engineering, computer engineering and electronics and instrumentation engineering.

Topics of interest include but not limited to:

MECHATRONICS

Mechatronics, Mechanical System Design, Pneumatic & Hydraulic System, Industrial Robotics & Automation, Advanced Electric, Drives and Controls, Control Systems and Applications, Intelligent Controllers, Measurement and control, Power Electronic Controllers to Power Systems, Virtual Instrumentation, Sensors, Fluid and Dynamics, Vibration & Control, CAD/CAM, Programmable Logic Controller, Actuators, Material Management, Optimal Design, Analog and Digital Circuits, ADC/DAC, Electronics Instrumentations, Sensor technology, Solid Modeling, Manufacturing, Vibration & Noise Control.

COMPUTING

Artificial Intelligence and Machine Learning, Cloud, Cluster, Grid and Computing, Computational Intelligence, Computer Architecture and VLSI Computer Graphics, Simulation and Modeling, Cryptography, Computer Network, ADHOC, Web Design, Data Management & Mining Digital System and Logic Design, Internet Computing, Mobile Computing, Parallel and Distributed Algorithms, Pattern Recognition and Analysis Robotics and Machine Vision, Security.

SIGNAL PROCESSING

Adaptive Signal Processing, Audio / Speech Processing and Coding, Biomedical Image Processing, Digital Signal Processing, Image / Video Processing, Power Signal Processing, Signal Processing for Communications and Security, VLSI Signal Processing, Analog and Digital Communication, Antennas, RF and Microwave Communications, Cognitive Radio and Cognitive, Networks, Information Theory and Coding, Internet Security and Signal Processing, Advanced Electric, Drives and Controls, Control Systems and Applications, Intelligent Controllers, Measurement and control, Power Electronic Controllers to Power Systems, Power Quality and Control, Power System Management and Control, SCADA / Embedded Systems, Electrical Devices. Ant Colony for Neural Network Optimization, Chaos Theory in Genetic Algorithms, Evolutionary Computing, Fuzzy System Optimization, Genetic Algorithm, Genetic Neural Systems, Hybrid optimization techniques, Neural Network Optimization, Neuro-Fuzzy-Genetic Approaches etc.

Paper Submission

Authors are invited to submit papers to the upcoming conference. The manuscript/ paper can be submitted through email to **mcsp@cutm.ac.in** in the IEEE format only. Maximum of 4 authors can participate in any paper submission. A maximum of 8 pages are allowed for any paper/ manuscript. Manuscripts submitted to this conference will be deemed as they have not been published and are not under consideration for publication elsewhere.

After the conference, extended papers will be published in **Centurion Journal of Multidisciplinary Research** and a few selected papers to be published in a Scopus indexed journal.

Important Dates

- Full Paper Submission: 31st March 2022
- Acceptance Notification: 11th April 2022
- Camera Ready Paper Submission: 18th April 2022
- Registration: 15th April 2022

Registration Fee in (Rs)	
Students & Research Scholars	1500
Academic/R & D	2000
Industry Participants	2500
Non-Author Participants	500