



International Conference on Automation, Control and Mechatronics for Industry 4.0

ACMI2021

TOWARDS NEXT GENERATION TECHNOLOGIES



08-09 July, 2021



RUET, Rajshahi, Bangladesh



acmi2021.mteruet.com



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CALL FOR PAPER

Department of Mechatronics Engineering, Rajshahi University of Engineering & Technology (RUET) cordially invites you to participate in the International Conference on Automation, Control and Mechatronics for Industry 4.0 (ACMI 2021). ACMI 2021 aims to enlighten the research on Mechatronics, Control Engineering, Automation, Robotics, Energy systems, Machine Learning, Mechanics, Networking, and related fields to meet the fourth industrial revolution's demand. It also focuses on future technologies that will take the world to a new industrial era. Moreover, it will serve as a common platform for the delegates from both the industrial and academic domains to share their ideas and bestow their innovative research works.

Scope

Significant tracks of interest include, but not limited to, are:

Track 1: Robotics, Mechatronics & Automation

1. Virtual Instrumentation and Control, Industrial and Cloud-based Automation, Machine Drives and Logistics Information and Industrial Security System
2. Mechatronics, Smart Devices and Intelligent Control
3. Robotics, Intelligent Machinery, Interdisciplinary Approaches, Man-machine Interface and Integration
4. Actuators and Sensors, Micro Devices and Opto-electronic Systems
5. Bio-mechatronics, Bio-robotics Systems and Medical Mechatronics

Track 2: Power, Energy & Industry Application

1. Multi-energy Systems, Transactive Energy, Renewable and Sustainable Energy
2. Power System Analysis, Computing, Operation, Planning and Management
3. Smart grid, Microgrid and Virtual Power Plant Technologies, Security, Management and Control
4. Demand Response, Cyber-physical Systems, EV Technologies and Integration
5. Instrumentations, Protection, Industrial Electronics and Applications

Track 3: Signal Processing, AI & Machine Learning

1. Signal or Image Processing, Pattern Recognition and Tracking
2. Artificial Intelligence, Machine Vision and Machine Learning
3. Computational Intelligence, Expert Systems and Cybersecurity
4. Internet of Things (IoT), Hybrid Learning Models and Methods
Computer Interface, Ambient Intelligence, Artificial Endocrine Networks, and Artificial Hormone Networks

Track 4: Networking & Communication

1. Computer Networks, Cloud, Big Data and ICT
2. Wireless and optical Communication, Information and Network Security and Control
3. Network Resource Allocation and Modeling, Network Planning and Evolution, Network Reliability and Survivability and Traffic Engineering
4. Complex Network Dynamics and Modeling, Complex Network Synchronization and Control, Robustness and Vulnerability
5. Wired and Wireless Communication, Multiuser Detection, Signal Separation and Interference Rejection

Track 5: Machine Dynamics, Mechanics & Industry 4.0

1. Industrial Engineering, Global Manufacturing and Management, Modeling, Simulation and Optimization
2. Mechanics, Machine Design, Fluid Dynamics, Heat and Mass Transfer
3. Support System, Smart Devices, Products, Manufacturing and Cloud Computing for Industry 4.0
4. Smart, Additive manufacturing and Hybrid Manufacturing and Blockchain Technology
5. Machine Dynamics and Vibration Control

Important Dates

Paper submission (Open):	February 1, 2021
Paper submission (Close):	March 31, 2021
Notification of acceptance:	May 29, 2021
Camera-ready paper submission:	June 12, 2021
Registration deadline:	June 12, 2021
Date of Conference:	July 8-9, 2021

Registration Fees

	IEEE Members	Non- IEEE Members
Local Students- Author (in BDT)	5000	7000
International Students- Author (in USD)	120	140
Local Authors (in BDT)	7500	9000
International Authors (in USD)	180	220
Local Students- Participant (in BDT)	2000	3000
International Students- Participant (in USD)	50	60
Local Participant (in BDT)	3000	4000
International Participant (in USD)	80	100
Local IEEE Life Member (in-BDT)	4500	-
International IEEE Life Member (in USD)	100	-

Paper Submission Guidelines

Paper template: A paper MUST follow the IEEE Paper Template. Choose A4 size paper.

Author Blind Submission: For initial submission, authors are not permitted to disclose their name, affiliation, address, or identity of any form in the manuscript.

Page limit: Manuscript must be within 4-6 pages (additional charges apply for exceeding 6 pages, 100 USD for each additional page) including results, tables, figures, and references.

Plagiarism policy: Submitted paper will go through a plagiarism test and immediately will be rejected if the similarity index is high.

Paper Submission Link: <https://cmt3.research.microsoft.com/ACMI2021>

Publication: Presented papers at the conference will be submitted for inclusion in IEEE Xplore.

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