 **Mawlana Bhashani Science and Technology University**
Tangail, Bangladesh

 **17-18 December 2022**

 **www.tcce.mbstu.ac.bd**

 **tcce2022@gmail.com**

CALL FOR PAPER

IMPORTANT DATES

Camera Ready Submission : 10 Oct 2022
Acceptance Notification : 01 Oct 2022
Expected Publication Date : 16 Dec 2022
Registration Period : 01 - 10 Oct 2022

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Sapcial Session:

Muhammad Shahin Uddin, ICT, MBSTU

Finance:

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Refreshment:

Mehedi Hasan Talukdar, CSE, MBSTU

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A. S. M. Delowar Hossain, CSE, MBSTU

Local Arrangement:

Mst. Nargis Aktar, ICT, MBSTU

Project and Exhibition:

Md. Sazzad Hossain, CSE, MBSTU

publicity:

Md. Abir Hossain, ICT, MBSTU
Shamim Al Mamun, JU, Bangladesh
M. Arifur Rahman, NTU, UK

About TCCE 2022

"TCCE" conference focuses on the empirical, experimental, theoretical and application aspects of various innovations in computational and cognitive engineering. It aims to provide an opportunity to share research findings among scholars, experts, specialists from academia and industry working in multidimensional areas of applied sciences, engineering and technologies. 1st TCCE was held in the Central University of Haryana (CUH), India. In this year, TCCE-2022 will be held in the Faculty of Engineering, Mawlana Bhashani Science and Technology University (MBSTU), Tangail, Bangladesh during 17-18 December, 2022. We invite call for paper on the following research fields (not limited to).

Track 1: Artificial Intelligence and Soft Computing

- Adaptive Systems
- Fuzzy Logic
- Data Mining
- Shallow Machine Learning
- Deep Learning
- Bayesian Learning
- Hybrid intelligence System
- Inductive Learning
- Intelligent and Knowledge Based System
- Intrusion Detection
- Agents and Multi-agent Systems
- Natural Language Processing
- Hybrid and Nonlinear system
- Intelligent Control
- Context-aware Pervasive Systems
- Quantum Computing
- Robotics

Track 2: Cognitive Science and Computational Biology

- Cognitive Psychology
 - Neuroscience
 - Bio-informatics
 - Brain-informatics
 - Health-informatics
 - Computational Biology
- ### Track 3: IoT and Data Analytics
- Ecosystem & Infrastructure
 - Internet of Services
 - Sensor based technology
 - Predictive Analytics
 - Cyber-physical Systems
 - Data mining and Information Retrieval
 - Robotic and Automation
 - Mobile Computing
 - Cluster Computing
 - Cloud Computing for Industry 4.0
 - Big Data Analytics
 - IoT for Smart Applications

Track 4: Network and Security

- Cross-layer Optimization and Control
- Cyber-physical Systems
- Delay Tolerant Networks
- Quality of Service and Resource Management
- Localization and Location-based Services
- Network Management
- Block Chain
- Cyber Physical System
- Ubiquitous Network

Track 5: Signal Processing, Computer Vision & Rhythm Engineering

- Computer Vision
- Robotics and Automation
- ML for Computer Vision
- Virtual Reality
- Augmented Reality
- Signal Processing
- Cyclic and rhythmic oscillations
- AI based Signal Timing Technology

CALL FOR > Projects > Workshop > Special Session

Submission deadline
16 Aug 2022

Objectives of the Conference

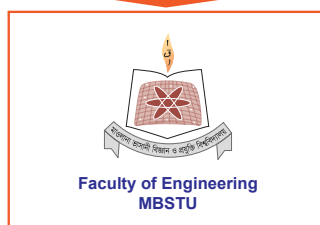
With increasing complex situations being modelled to find reasonable answers, role of computations and cognitive learning is becoming very important. The objective of the conference is to narrow down the gaps by bringing practitioners and scientists together; so as to focus on the recent trends in computational and cognitive engineering. The conference will further help:

- To provide a forum for exchange of ideas and insights by mathematicians, engineers, scientists, and researchers
- To share fresh perspective on problem-solving in current research areas
- To present various computational and cognitive modelling approaches in the areas of health, education, finance, environment, engineering, commerce and industry
- To promote networking opportunities among experts in various disciplines and encourage interdisciplinary research

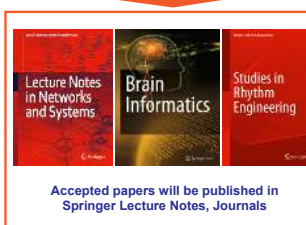
About MBSTU

Mawlana Bhashani Science and Technology University has been named after one of the renowned political leaders and philosophers of Bangladesh - Mawlana Abdul Hamid Khan Bhashani and was established by the then Prime Minister Sheikh Hasina in 1999. The University envisions to build knowledge based nation through science and technology to uplift socio-economic status of Bangladesh. The university provides its students with plentiful opportunities to get experienced in the working of the industry, national and international level IT competitions and also in real life projects attached in the course curriculum. MBSTU is now offering different diverse programs including under-graduate, MS, Ph.D., etc.

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