



Wazed Miah Science Research Centre,
Jahangirnagar University, Dhaka-1342, Bangladesh

17-18 December, 2020

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CALL FOR PAPER

IMPORTANT DATES

Paper Submission Deadline: 1 August 2020
Acceptance Notification: 1 October 2020
Camera Ready Submission: 1 November 2020
Registration Period: 1 Oct 2020- 1 Nov 2020

COMMITTEE

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About TCCE 2020

TCCE focuses on experimental, theoretical and application aspects of innovations in Computational and Cognitive Engineering. The Conference aims to provide an opportunity to gather researchers, scholars, and experts from academia and industry working in the following areas of basic and applied sciences, engineering and technology to share their research findings.

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
- Brain/Bio Inspired Algorithm
- Context-aware Pervasive Systems
- Quantum Computing
- Robotics

Track 2: Cognitive Science and Computational Biology

- Cognitive Psychology
- Neuroscience
- Bio/Brain-informatics
- Health-informatics

- Computational Biology
- Biomimetics
- Brain Modeling
- Neuromorphic engineering
- Brain Inspired Model

Track 3: IoT and Data Analytics

- Ecosystem & Infrastructure,
- Internet of Services
- Sensor based technology
- 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
- IoT

Track 4: Network and Security

- Cross-layer Optimization and Control
- Cyber-physical Systems
- Data Center Networking

- Delay Tolerant Networks
- Game Theory in Networks
- Quality of Service and Resource Management
- Localization and Location-based Services
- Mobile Cloud Computing
- Network Management
- Network Measurement and Analysis
- Smart Communications Systems
- Vehicular Networks
- Wireless Sensor Networks
- Green Networking/Block Chain
- Cyber Physical System
- Ubiquitous Network
- Antenna and Wave Propagation
- Microwave and Optical Resonators

Track 5: Signal Processing, Computer Vision & Rhythm Engineering

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

The last event of TCCE was held in the School of Engineering & Technology (SoET) and Department of Mathematics under School of Physical and Mathematical Sciences (SoPM) of Central University of Haryana (CUH), Mahendergarh, India during November 28-30, 2019.

Objectives of the Conference

With increasing complex situations being modeled to find reasonable answers, the 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 the exchange of ideas and insights by mathematicians, engineers, scientists, and researchers
- To share a fresh perspective on problem-solving in current research areas
- To present various computational and cognitive modeling 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

CALL FOR

■ Projects ■ Workshop ■ Special Session

Submission due: 30 Aug 2020

Organizer



Institute of Information Technology
Jahangirnagar University

Publication



Proceeding
(Pending)

Extended version will be
submitted to Journals

Support Partner



Other Partners

