

# **International Conference on Modelling, Computing and Technological Innovations**

**(ICMCTI-2016)**

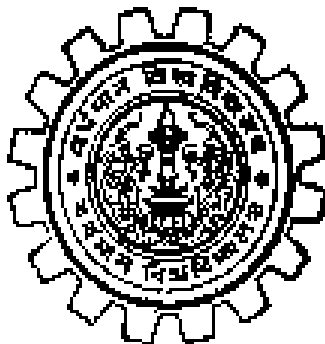
**October 25-27, 2016**

**(Under TEQIP-II)**

**(For details and for online submission of manuscript please visit the  
website <http://www.icmcti.org>)**

*Organized by:*

**University Institute of Technology, The University of Burdwan**  
(<http://www.uit.buruniv.ac.in>)



**Golapbag (North), G.T. Road  
Burdwan-713104, West Bengal, India  
Phone No.: +91-342-2658777 / 787**

## **About The Institute:**

University Institute of Technology (UIT) is the constituent Institute of the University of Burdwan, Burdwan, West Bengal, India. The Institute started its function in the year 2000. With the approval of Government of West Bengal and All India Council for Technical Education (AICTE), three graduate engineering courses, viz., Computer Science and Engineering, Electronics and Communication Engineering and Information Technology were introduced from the 2000 session. From 2003 Applied Electronics and Instrumentation Engineering started. Electrical Engineering and Civil Engineering were introduced in 2008. In addition to the undergraduate courses in these six different streams the Institute offers postgraduate courses in two branches of engineering viz. Electronics and Instrumentation Engineering and Computer Science Engineering. The undergraduate courses of Computer Science and Engineering and Electronics and Communication Engineering of the Institute are accredited by National Board of Accreditation and presently the TEQIP, Phase-II project, a World Bank initiative managed by Ministry of Human Resource and Development, Government of India, is running successfully at the Institute.

## **How to Reach:**

The Institute is located about 100 km northwest of Kolkata, on the southern side of Grand Trunk Road. The nearest airport is at Dum Dum, Kolkata (Netaji Subhas Chandra Bose International Airport) about one and a half hours' drive through National Highway 2. Burdwan (23.257°N 87.846°E) is well connected through rail and road with the rest of India.

## **Objective of ICMCTI-2016:**

The main objective of ICMCTI-2016 is to bring together young and senior researchers, engineers and scientists in the fields of various branches of Engineering, Natural and Physical Sciences. This will provide a platform where delegates can exchange their views and share their experiences regarding the latest developments in their respective fields of specialization.

## **Thrust Areas:**

- High Performance Computing
- Software Based Business Analytics
- Information Hiding
- Cloud Computing and Security
- Computer Network, Security and Privacy
- Web and Informatics
- Data Mining and Big Data Analysis
- Mobile Communication
- Satellite and Space Communication
- Wi-Fi and Blue Tooth Technology
- Remote Sensing and GIS

- Sensor and Distributed Sensor Network
- Advanced Technologies in Computing and Communication
- Process Control
- Radiation Detectors
- Nuclear Instruments
- Embedded Real Time Systems
- RF and Microwave
- Digital Signal Processing
- Image Processing
- Motion Control and Robotics
- Security Electronics
- Medical Electronics
- Electric Energy Challenges of the Future: Renewable and Alternative Sources of Electrical Energy
- Smart Power Grid
- Highly Integrated Grid: Challenges under Increasingly Dynamic and Uncertain electric Power System Conditions
- Power Quality Improvement
- Power Electronics Application
- Engineering Resilient Cyber Physical Systems
- Optimization Techniques & Inventory Problems
- Stochastic Processes and System Engineering
- Fluid dynamics and its Applications in Engineering
- Optimization Techniques in Civil Engineering
- Modelling in Transportation Engineering
- Soft Computing, Genetic Algorithm, Neural Network and Fuzzy Logic Applications
- Modelling & Simulation in Physical, Environmental and Bio Sciences
- Reliability Modelling and Testing for Complex Systems
- Reliability and Availability Assessment of Multi-state Systems
- Risk and Supply Chain Management
- Differential Equations and its Applications in Engineering
- Applications of Astrophysics, Finite Element Methods in Engineering
- Nonlinearity and Complex Phenomena in Natural, Physical and Engineering Sciences

### **Organizing Committee:**

#### **Patron:**

Prof. Smritikumar Sarkar, Vice-Chancellor, The University of Burdwan, Burdwan, India

#### **Vice Patron:**

Dr. Shoroshimohan Dan, Pro Vice-Chancellor, The University of Burdwan, Burdwan, India

Dr. Deb Kumar Panja, Registrar, The University of Burdwan, Burdwan, India

#### **Chairpersons:**

Dr. Apurba Ghosh, Teacher-In-Charge, University Institute of Technology, The University of Burdwan, Burdwan, India

Prof. Bibhas Kumar Pramanik, In-Charge, Department of Electronics & Communication Engineering & Coordinator, TEQIP-II, University Institute of Technology, The University of Burdwan, Burdwan, India

**Organizing Secretary:**

Prof. Sripati Mukhopadhyay, Professor, Department of Computer Science, The University of Burdwan, Burdwan, India

**Joint Conveners:**

Dr. Souvik Bhattacharyya, In-Charge, Department of CSE & IT, University Institute of Technology, The University of Burdwan, Burdwan, India

Dr. Koushik Ghosh, Assistant Professor in Mathematics, University Institute of Technology, The University of Burdwan, Burdwan, India

**Advisory Committee:**

**1. Prof. Ajoy Kumar Ray**

Director, Indian Institute of Engineering Science and Technology, Shibpur, India

**2. Dr. Sajal Dasgupta**

Director of Technical Education, Govt. of West Bengal, India

**3. Prof. Bimalendu Ray**

Dean, Faculty of Science, The University of Burdwan, Burdwan, India

**4. Prof. G. Sanyal**

Dept of Computer Science and Engineering, National Institute of Technology Durgapur, India

**5. Prof. Atal Choudhury**

Dept of Computer Science and Engineering, Jadavpur University, Kolkata, India

**6. Prof. Sushanta Chakrabarty**

Dept of Computer Science and Technology, Indian Institute of Engineering Science and Technology, Shibpur, India

**7. Prof. Debdatta Sinha**

Department of Computer Science and Engineering, University of Calcutta, Kolkata, India

**8. Prof Anup Kr Bhattacharjee**

Dept of Electronics and Communication Engineering, National Institute of Technology Durgapur, India

**9. Prof. Swapan Kumar Parui**

Computer Vision and Pattern Recognition Unit, Indian Statistical Institute, Kolkata, India

**10. Prof. Indranil Sengupta**

Department of Computer Science and Engineering, Indian Institute of Technology, Kharagpur, India

**11. Prof. Anupam Basu**

Department of Computer Science and Engineering, Indian Institute of Technology, Kharagpur, India

**12. Prof. Jozef Korbicz**

Institute of Control and Computation Engineering, University of Zielona Gora, Zielona Gora, Poland

**13. Prof. Kailash C. Patidar**

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**14. Dr. E. G. Rajan**

Founder President, Pentagram Research Centre (P) Limited, Partner Company, SUN Micro Systems, USA

**15. Prof. Aditya Ghose**

School of Computing and Information Technology, University of Wollongong, Australia.

**16. Partha Das**

In-Charge, Dept. of General Engineering, Science and Humanities, University Institute of Technology, The University of Burdwan, Burdwan, India

**17. Kallol Roy**

In-Charge, Dept. of Electrical Engineering, University Institute of Technology, The University of Burdwan, Burdwan, India

**18. Aparna Roy**

In-Charge, Dept. of Civil Engineering, University Institute of Technology, The University of Burdwan, Burdwan, India

### **Submission of Full Length Paper:**

Those who want to present paper in the conference must upload the full length paper within 8 pages, written in English, prepared with MS-Word (New Times Roman, 12 font, 1.5 spacing in A4 format) in single column through the website <http://www.icmcti.org>. The paper must contain a self-explanatory title, full name of the authors, affiliations and e-mail addresses. In case of multiple authors, please underline the presenting author. All the submitted full length papers will be peer reviewed and only a selected number of papers will be invited for presentation.

**Please note that one author can submit maximum two papers either one in single authorship and the other in multiple authorship or both in multiple authorship and he/she is entitled to present only one work. More than one single authorship paper will not be entertained from any single individual. Please also note that, in case of multiple authors only the presenter will get the presentation certificate. Other author(s) if participate (s) will get only the participation certificate. No joint presentation in any form will be allowed.**

**Last date of receiving the full length paper is 16<sup>th</sup> September, 2016. Notification of acceptance will be made by 30<sup>th</sup> September, 2016.**

**Selected number of presented full length papers (after a peer review process) will be published in the Proceedings of ICMCTI-2016 under the banner of internationally reputed publishing house. The corresponding announcement in this regard will be made in due course of time.**

### **Registration Fees:**

Due to paucity of funds the Institute is not in a position to provide any travel support to any of the participants. The Institute may arrange accommodation on request in **twin share basis only** in different guest houses/hotels. For foreign participants modest accommodation may be arranged (on request) including food and lodging. *The registration fees include registration kits, book of abstracts, entry to all the technical sessions, tea and snacks and lunches during the three*

days of the conference and the participation/presentation certificate. For each participant corresponding registration charges and accommodation charges (if needed) are listed below:

	<b>Registration Fees</b>	<b>Accommodation Charges if the participant wishes to have accommodation arranged by the Institute</b>
<b>Indian Participants</b>	<b>INR 4000</b>	<b>INR 2000</b>
<b>Participants only from the SAARC Countries other than India (Pakistan, Nepal, Bhutan, Bangladesh, Sri Lanka, Maldives )</b>	<b>USD 125</b>	<b>USD 75</b>
<b>Participants from rest of the world</b>	<b>USD 200</b>	<b>USD 100</b>

Registration fees and accommodation charges (if needed) are to be paid collectively. The particulars of payment of registration and accommodation fees will be communicated in the second announcement.

### **Contact Persons:**

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**Dr. Koushik Ghosh, Joint Convener, ICMCTI-2016 (Contact No.: +91-9830913554)**

**For any query please send email to [icmcti@uit.buruniv.ac.in](mailto:icmcti@uit.buruniv.ac.in). Please visit the website <http://www.icmcti.org> time to time for any update.**

### **General Information:**

- The weather during the end of October at Burdwan is usually comfortable with sunny days and temperature usually varies between 21-31<sup>0</sup> C.
- The nearest airport is Netaji Subhas Chandra Bose International Airport (Dum Dum, Kolkata) which is 104 km away from Burdwan.
- The nearest railway station is Burdwan Junction.