

Call for Participation

THIRD WORKSHOP ON COMPUTING: THEORY AND APPLICATIONS

February 19-24, 2018
National Institute of Technology Meghalaya
Bijni Complex, Laitumkhrach
Shillong 793003

Jointly Organized by



Computer and Communication Sciences Division (CCSD)
Indian Statistical Institute (ISI)
Kolkata 700108



Computer Science and Engineering Department
National Institute of Technology Meghalaya (NITM)
Shillong 793003

Indian Statistical Institute



Indian Statistical Institute (ISI) is a unique institution devoted to the research, teaching and application of statistics, natural sciences and social sciences. Founded by Professor P.C. Mahalanobis in Kolkata on 17th December, 1931, the institute gained the status of an Institution of National Importance by an act of the Indian Parliament in 1959.

The Headquarters of ISI is located in the northern fringe of the metropolis of Kolkata. Additionally, there are four centres located in Delhi, Bangalore, Chennai and Tezpur. Research in Statistics and related disciplines is the primary activity of the Institute. Teaching activities are undertaken mainly in Kolkata, Delhi and Bangalore. Offices of the Institute located in several other cities in India are primarily engaged in projects and consultancy in Statistical Quality Control and Operations Research.

Computer and Communication Sciences Division

The Computer and Communication Sciences Division (CCSD) is one of the largest research and academic divisions of ISI. It has eight units:

- Advanced Computing and Microelectronics Unit (ACMU), Kolkata
- Computer Science Unit, Chennai
- Computer Vision and Pattern Recognition Unit (CVPRU), Kolkata
- Cryptology and Security Research Unit (CSRU), Kolkata
- Document Research and Training Centre (DRTC), Bangalore
- Electronics and Communication Sciences Unit (ECSU), Kolkata
- Machine Intelligence Unit (MIU), Kolkata
- System Science and Informatics Unit (SSIU), Bangalore

The researchers in CCSD have been carrying out basic and applied research in certain areas of computer science. Besides contributing regularly to national and international journals and conferences, the faculties of CCSD publish books, serve in journal editorial boards, collaborate with several national and international universities, organize international conferences, execute research projects for Government and non-Government agencies, and supervise postgraduate research in these areas.

National Institute of Technology Meghalaya

The National Institute of Technology (NIT) Meghalaya is one among the thirty one NITs in India established under the NIT Act 2007 (Amended 2012) of the Parliament of India as Institutes of National Importance with full funding support from the Ministry of Human Resource Development, Government of India.

Computer Science and Engineering Department

The Computer Science and Engineering Department offers U.G., P.G. and Ph.D. Programme in Computer Science and Engineering. The faculties pursue research and development in basic and applied Computer Science and strives for collaboration with national and international institutes of repute.

Please send the Registration Form duly filled in by **January 15, 2018** along with your CV and a soft copy of your passport-size photograph, by e-mail, to:

Dr. Rajarshi Ray

Computer Science and Engineering Department

National Institute of Technology Meghalaya (NITM)

Shillong 793003

E-mail: isi-nitm-ne-workshop@nitm.ac.in

Objective: The workshop is aimed at providing an opportunity to the researchers and teachers of north-eastern colleges/universities/institutes, with background in computer science, electrical and electronic engineering, mathematics, statistics, physics and related areas, to be exposed to recent state-of-art of computer science. Topics of the workshop will include theory, applications and implementations of some of the basic concepts of (i) *Algorithms*, (ii) *Pattern Recognition and Soft Computing*, (iii) *Image, Signal and Natural Language Processing*, (iv) *Cryptology*, (v) *Computer Architecture* and related techniques. The event will provide an opportunity for young researchers to interact and engage in discussions with leading researchers of India in respective fields. No prerequisite is envisaged for participants. In each topic, attempts will be made to build up fundamental concepts followed by an introduction to some of the modern research directions.

Venue: National Institute of Technology Meghalaya,
Bijni Complex, Laitumkhrah, Shillong 793003.

Duration: February 19-24, 2018.

Participants: Researchers and teachers from colleges/universities/research-institutions/laboratories in the north-eastern region of India having interest in related fields.

Support: There is no registration fee for the workshop. Outstation participants will be provided support for free stay and meals throughout the workshop. Additionally, a travel support of up-to Rs. 1200/- only will be provided on production of photo-copies of tickets.

Patron: S. Bandyopadhyay, *Director, ISI*
B. B. Biswal, *Director, NIT Meghalaya*

Program Committee

Chair: Susmita Sur-Kolay, Professor-in-Charge, CCSD

Co-ordinators:

R. Ray, CS Dept., NIT Meghalaya
R. K. Chatterjee, ECSU, ISI, Kolkata
S. Roy, ACMU, ISI, Kolkata

Members: *N. Das, Head, ACMU, ISI, Kolkata*
U. Pal, Head, CVPRU, ISI, Kolkata
D. P. Mukherjee, Head, ECSU, ISI, Kolkata
S. Mitra, Head, MIU, ISI, Kolkata
D.S. Roy, Head, CS Dept., NIT Meghalaya

Local Organizer: *R. Ray, NIT Meghalaya*

Important Dates

Application Due: **January 15, 2018**

Intimation to Selected Participants: **January 25, 2018**

Confirmation of Participation by Participants: **February 6, 2018**
(to be mailed by participants)

REGISTRATION FORM

**THIRD WORKSHOP ON COMPUTING:
THEORY AND APPLICATIONS**

February 19 – 24, 2018

National Institute of Technology Meghalaya

Name :

Designation :

Institution :

Address :

Telephone :

Fax :

Email :

Qualifications :

Publications :

(Enclose additional sheets if required)

Accommodation required: *Yes / No*

Attach CV & softcopy of passport size photograph

Email form to: isi-nitm-ne-workshop@nitm.ac.in

Deadline of Sending Registration Form: *January 15, 2018*

Please photocopy the Registration Form for additional registrants.