

ABOUT MISP 2012

Biomedical Signal Processing has always been a fascinating field of research. It has found lots of research and development in past decades but still there are many more mysteries to explore. The main objective of Biomedical Signal Processing is to extract the significant information from biomedical signals. With the help of Biomedical Signal Processing physicians can monitor distinct symptoms.

In the same context, Electro Medical and Speech Technology (EMST) Laboratory of IIT Guwahati is all set to organize a workshop on Medical Image and Signal Processing (MISP 2012), to present the cutting edge technological developments in this field. The workshop will include the distinguished lectures from the prominent personalities in the biomedical and the related fields from India and abroad, where they will share the recent trends and applications in this field and the probable issues to be addressed in upcoming years. The researchers in academic, government and industrial organizations are hereby solicited to participate in this workshop.

SPEAKERS

Prof. Rangaraj Rangayaan

Department of Electrical and Computer Engineering
Schulich School of Engineering,
(Adjunct Professor of Surgery and Radiology)
University of Calgary, Alberta, Canada



Topics:

1. Computer-aided Detection, Modeling, and Analysis of Retinal Vascular Architecture for the Diagnosis of Retinopathy.
2. Computer-aided Detection of Subtle Signs of Breast Cancer in Mammograms.
3. Color Image Processing with Biomedical Applications.

Asst. Prof. Chandra Sekhar Seelamantula

Department of Electrical Engineering
Indian Institute of Science, Bangalore, India



Topics:

1. Biomedical Image Denoising
2. Biomedical Image Segmentation

Prof. Samarendra Dandapat

Department of Electronics and Electrical Engineering
Indian Institute of Technology Guwahati, India



Topic:

1. Cardiovascular Signal Processing.

FOR ANY QUERIES CONTACT:

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IMPORTANT DATES

Last date of receipt of duly filled Registration form: 02nd November, 2012

Pre-workshop Seminar: 29th November, 2012

Workshop is on 30th November, 2012

REGISTRATION

Registration for MISP 2012 is open to all. There is no registration fee for attending workshop. All interested applicants can download the Registration form from the workshop website. The duly filled in Registration form should be scanned and sent to the Email Id: misp2012@iitg.ernet.in

ACCOMMODATION

Few accommodations can be arranged in IIT Guwahati Guesthouse on shared basis for participants from outside Guwahati on request. Due to limited accommodation available in Guesthouse, request for accommodation will be processed on first-come-first-serve basis.

LOCATION

Indian Institute of Technology, Guwahati, the sixth member of the IIT fraternity, was established in 1994. The academic programme of IIT Guwahati commenced in 1995.

IIT Guwahati's campus is on a sprawling 285 hectares plot of land on the north bank of the river Brahmaputra around 20 km from the heart of the city. With the majestic Brahmaputra on one side, and with hills and vast open spaces on others, the campus provides an ideal setting for learning.

SCHEDULE

Time	Programme	Topics
08:30	Registration	
09:00	Inauguration	
10:00	Tea	
10:30–11:30	Lecture–1	Computer-aided Detection of Subtle Signs of Breast Cancer in Mammograms.
11:30–12:30	Lecture–2	Biomedical Image Denoising
13:00–14:00	Lunch	
14:00–15:00	Lecture–3	Cardiovascular Signal Processing.
15:00	Tea	
15:30–16:30	Lecture–4	Color Image Processing with Biomedical Applications.
16:30–17:30	Lecture–5	Biomedical Image Segmentation
20:00	Dinner	



Workshop on

MEDICAL IMAGE AND SIGNAL PROCESSING



Organized by

Electro Medical and Speech Technology Group

**Department of Electronics and Electrical Engineering
Indian Institute of Technology Guwahati
Assam – 781039, INDIA**

Venue: Conference Centre, IIT Guwahati