



National Symposium
on
Medical Image Acquisition, Processing & Analysis
20th-22nd November, 2017
Jaypee University of Information Technology

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POSTER SESSION

PATRONS

ORGANIZING COMMITTEE

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About the Symposium

Biomedical image processing has experienced remarkable expansion including its application in healthcare system. High quality information available in imaging modalities can be processed and analyzed for disease diagnosis, treatment and management. Diseases are generally associated with certain characteristic patterns of image modalities, which are used for its detection. Therefore, computer-aided diagnostic (CAD) for different diseases is developed to provide assistance not only for better diagnosis but also for early diagnosis. Therefore, this symposium focuses on the applications and implementation of image acquisition, processing and analysis for efficient disease diagnosis.

Objectives of the Symposium

Some of the key objectives of this Symposium are:

1. Effective analysis of currently available high quality medical images for efficient diagnosis of diseases such as TB, cancer, diabetic retinopathy, tumour etc.
2. Application of image acquisition and processing for early diagnosis of diseases.
3. Image processing can facilitate the adoption of cost-effective techniques for disease diagnosis.
4. To explore the Computer Added Diagnosis (CAD) techniques to improve the effectiveness of the Liver ultra sonography

Poster Session:

Abstract submission for poster: **November 5th, 2017**

Acceptance notification: **November 10th, 2017**

Registration deadline: **November 15th, 2017**

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Head, Dept. of Computer Science & Engineering & IT



Dr. Sudhir Kumar
Associate Professor: Acting Head - Department of Biotechnology and Bioinformatics



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Head, Dept. of Electronics and Communication Engineering



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Head, Dept. of Civil Engineering



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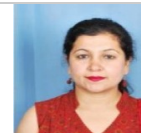
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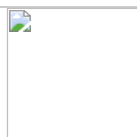
Dr. Amit Kumar Singh
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Dept. of CSE & IT, JUIT



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Dr. Emjee Puthooran
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Mr. Nishant Jain
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Associate Professor, Department of Biotechnology & Bioinformatics,
Jaypee University of Information Technology (JUIT)

Convener



Mr. Puneet Kumar Jain
Assistant Professor, Department of Computer Science and Engineering,
Jaypee University of Information Technology (JUIT)



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Day1 Day2 Day3

POSTER SESSION

PATRONS

Programme Schedule Day 1:

ORGANIZING COMMITTEE

Date: 20/11/2017
Morning session

KEYNOTE SPEAKERS

8.30 – 9.30 AM

Registration

PROGRAMME SCHEDULE

9:30 –10:00 AM

Inaugural Session

REGISTRATION

10:00 –11:00 AM

Keynote Lecture: Magnetic Resonance Imaging
Characterization of Indeterminate Lung Nodules and
MassesDr. Sanjeev Sharma Prof.
Radiology, IGMC Shimla

VENUE AND TRAVEL

11:00 –11:15 AM

Tea/Coffee Break

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11:15 AM – 12:15
Noon

Biomedical Image Indexing and Retrieval

Dr. Subrahmanyam Murala,
Asst. Prof. EE Dept., IIT,
Ropar,12:15 Noon – 1:00
PM

Image Compression for Telemedicine

Dr. Emjee Puthooran
Asst. Prof. ECE Dept. JUIT

1:00 – 2:00 PM

LUNCH BREAK

Date: 20/11/2017
Afternoon session

2:00 – 3:00 PM

Coronary Angiography and Revascularization
PTCA/StentingProf. Yashpal Sharma
Head, Cardiology, PGIMER,
Chandigarh

3.00 – 3.15 PM

Tea Break

3.15 – 4.15 PM

Image Analysis for the Diagnosis of Oral Cancer

Prof. Vinod Kumar,
Vice Chancellor, JUIT

4.15 – 5.15 PM

Development of cost-effective hybrid disease-specific
instruments for affordable healthcareDr. C. Rout,
Dept. of BT & BI, JUIT,
Waknaghat

5.15 – 5.30 PM

Concluding Remarks

Programme Schedule Day 2:

Date: 21/11/2017
Morning session

9.00 – 10.00 AM

Analysis and Classification of Ultrasound Images

Dr. Jitendra Virmani
Senior technical Officer CSIR-
CSIO

10.00 – 11.00 AM

Accuracy of 3D Cephalometric Measurements Based
on an Automatic Knowledge-based Landmark
Detection AlgorithmDr. H. K. Sardana
Scientist G, CSIO,
Chandigarh

11:00 – 11:30 AM

Tea Break

11:30 AM– 12:30
PMSeismocardiography: A Low Cost and Robust System
for Long-term Heart MonitoringMr. P. K. Jain,
Asst. Prof. Dept. CSE, JUIT

12:30 – 1:30 PM

LUNCH BREAK

Date: 21/11/2017
Afternoon session

1:30 – 2:30 PM

Ethics in Medical Research

Dr. P. C. Negi
Professor and Head,

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		Department of Cardiology, IGMC, Shimla
2:30 – 3:15 PM	Interstitial Lung Disease (ILD): Overview	Dr. Malay Sarkar Professor and Head, Pulmonary medicine, IGMC, Shimla
3.15 – 3.30 PM	Tea Break	
3:30 – 4.30 PM	Poster Session	
4.30 – 5.30 PM	Panel Discussion and followed by Tea/Coffee	

Programme Schedule Day 3:

Date: 22/11/2017 Morning session		
9-00 – 11.30 AM	Tutorials on Image Modalities & Image Processing	Mr. Nishant Jain & Mr. P. K. Jain, JUIT, Waknaghat
12:00 – 12:30 PM	Valedictory Ceremony	
01.00 – 02.00 PM	LUNCH BREAK	