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About The Institute

GLBITM is one of the institutions under the R. K. Group, a well known education group running multiple institutions, which is on a glorious path of development. It is imparting quality education to thousands of students in the field of Engineering & Technology, Dentistry, Pharmacy, Education and Basic Sciences. GLBITM was established in the year 2005 in Knowledge Park III, Greater Noida, India's one of the biggest hub of premier Educational Institutions. The Institution is approved by AICTE, Ministry of HRD, Government of India and presently affiliated to Uttar Pradesh Technical University, Lucknow. As a part of commitment towards quality technical education and excellence, GLBITM has organizes National and International Conferences, Seminars and Symposia, which culminate into major interface with Industry and Research Institutions. This play a comprehensive role in the overall grooming of our faculty and students. The previous conferences were supported by DST, DRDO, ISRO, CSIR, BSNL, GBTU, Cyber Media, INDIAN BIO SCIENCE and AKS Software through sponsorship and with technical support from IEEE Delhi section.

Accommodation

On prior request, accommodation for the participants can be arranged on the payment basis.

Sponsorship

The conference provides an ideal branding opportunity. As a sponsor of this event, your organization will be able to demonstrate new research and technologies and demonstrate your position as an industry leader. You gain valuable regional, national, and international exposure by marketing your company's image and services to an audience of academics and professionals. Details are available at conference website. You can customize sponsorship packages to fit your organization's needs.

City Tour

Greater Noida, one of the youngest, best planned, pollution free cities of India under the purview of the National Capital Region (NCR). It is one of the largest industrial and Educational hub in Asia. The city also has state-of-the-art India exposition most which host International exhibitions and events. The city is well connected to historic places such as Agra, Jaipur through expressways.



Travel Reimbursement

GLBITM has limited funds for meeting travel cost and therefore cannot guarantee reimbursement for all. However, depending on the availability of sufficient grants, either full or partial reimbursement may be made to a few delegates.

Climate In November

In November temperature of Greater Noida ranges between 15-32°C.

MEDCOM
2014



G. L. BAJAJ
INSTITUTE OF TECHNOLOGY
AND MANAGEMENT



Technical Co-Sponsors:



International Conference

on

Medical Imaging, m-Health & Emerging Communication Systems

(MedCom – 2014)

www.medcom2014.glbitm.org

7th – 8th November, 2014

Special Session:


1. Healthcare Apps for Handheld Devices (supported by Microsoft)



2. Biometric Based Security

3. Multimedia Communication and Signal Processing (MCSP-2014)

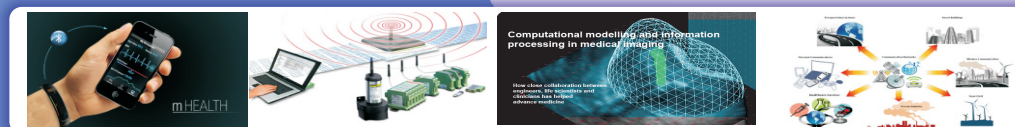
Publication Opportunities:

1. IEEE Xplore DIGITAL LIBRARY
2. Biomedical and Clinical Engineering

3. Electronics Signals and Systems

Knowledge Partner



Apollo Telemedicine
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Venue:

G. L. BAJAJ INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Plot No. 2, Knowledge Park-III, Greater Noida - 201306 Dist.-Gautam Buddh Nagar, Uttar Pradesh, India

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Conference website: www.medcom2014.glbitm.org | E-mail: convener.medcom@glbitm.org

CONFERENCE PREAMBLE

The domain of healthcare services has seen revolutionary advancements in terms of design, use and effectiveness of medical devices and technologies. However the access to these devices and technologies is still highly restricted to a limited section of society. This problem is more severe in developing countries. Through integration of communication systems with Healthcare services, e-Health and m-Health have emerged as possible solutions to this challenge. Recent advances in different domains like Sensor Technologies, Wireless Communication, Computer Vision Medical Imaging, Signal/Data Processing and globalization of digital society across various social areas have intensified the growth of these services. However, several socio-economic aspects and integration of these services with classical healthcare system still remain a challenging issue. This conference will present a strong fostering integration between different medical imaging, remote healthcare service, communication, and signal processing communities and contribute to an integrative service approach accessing all scale observation.

CONFERENCE INDUCEMENT

The increasing cost of medical services and shortfall in required number of medical experts has intensified the challenge to provide healthcare services to every corner of the society. Recently, the progresses of human-computer interface technology implemented on tablet PCs (personal computers) enables medical workers to utilize them for communications between patients and doctors at the time of condition analysis and diagnosis. Remote monitoring systems are gaining importance with the growth of sensor technology and support through various communication and signal processing systems. Healthcare services have recently witnessed several applications of remote monitoring systems in terms of diagnosis, telemedicine, pre and post hospital care, prenatal care, automation of drug delivery system etc. A common interactive platform for experts from Engineering & Medical science is required to boost R & D in this integrated domain.

Conference Topics:

Topics of interest include but not limited to:

A. Communication Systems and Networks

- Heterogeneous Networks
- B3G/4G Systems, WiMAX/LTE, WLAN, WPAN
- Body sensor networks, body area networks, RedTacton
- Channel measurement, modeling, and characterization
- Ultra-wideband and gigabit wireless communications
- Vehicular communications
- Cross-layer design and security
- Software Defined Radio and Cognitive Radio
- QoS and QoE provisioning in Networks

B. Signal Processing: Biomedical and Communication Systems

- Analog and Digital Signal processors,
- Network Signal Processors
- Architecture, Implementation & Design of Digital Filters
- Non-Stationary, Non-Linear and Non-Gaussian Signals
- Signal Processing using Chaos, Fractals and Solitons
- Signal Detection and Spectrum Estimation
- Physiological Processes and Bio-signal Modeling, Non-linear dynamics
- Physiological Processes and Bio-signal Modeling,
- Ultrasound Imaging
- Cardiovascular Signals, EEG/ENG/EMG Signals
- Image Acquisition, Interpretation & Computer Aided Diagnosis

C. m-Health/e-Health

- Bioinformatics - data processing and analysis
- Digital pathology
- Bioinstrumentation and wearable, implantable and ingestible devices and technologies
- Personalized & Preventive m-health
- Tele-health and telemedicine, EMR/EHR
- Pervasive & ubiquitous computing for eHealth/m-health
- Decision support algorithms for remote diagnosis and patient management
- Security and privacy for eHealth

D. System Services and Applications

- Content distribution in wireless home environment
- Context and location-aware services, applications and pervasive systems
- New IT-enhanced Models for Healthcare delivery
- Smart homes, medical institutions, cities
- Healthcare Data Architecture & Terminology Standards

E. SPECIAL SESSION

1. Healthcare Apps for Handheld Devices

- Ambient Assisted Living
- Mobile apps as Solution to Growing Resource Problem
- Empowering Women, Pre-natal care
- Aging and Chronic Disease Management
- mHealth & Consumer Engagement, Prevention and Changes in Life-style
- From Pilots to Implementation: Establishing mobile apps in Daily Practice
- Mobile App Regulations, Licensing & Approval Process

2. Biometric Based Security

- Biometric standards and interoperability
- Multimodal and multi-biometric systems
- Security analysis of biometric components and systems, template protection
- Cryptographic keys from biometrics
- Biometric middleware and user interface design
- Forensics and other emerging applications
- Ethical, legal and socio-technological aspects

3. Multimedia Communication and Signal Processing

- Multimedia Image processing
- Multimedia Coding and Compression
- Multimedia Communications over IP Networks
- Soft computing techniques for signal processing applications
- Adaptive communication techniques and challenges
- Multimedia Signal Mining, De-Noiseing and Enhancement
- Multimodal Signal Processing
- Adaptive system identification and channel modeling
- Speech enhancement, identification and recognition
- Video Segmentation, Tracking and Transcoding

OPTIONS FOR PARTICIPATION

- A. Paper Presentation
- i. Regular/Full paper (04 – 06 Pages)
 - ii. Work-in-progress/Novel Idea (up to 04 pages)
- B. Poster Presentation (06 – 08 Slides, size of poster-A2, 40x59.4 cm.)

Exhibits:

Entries invited for project/prototype/model devices/tools/technologies from companies/research organizations/freelancers/research scholars

Important Dates

Abstract submission **10th July 2014**

Paper submission deadline **25th July 2014**

Acceptance notification **10th September 2014**

Camera ready submission & registration **1st Oct. 2014**

Paper Submission Process

Papers in IEEE format will be submitted through Easy Chair submission system. Submit your manuscripts only in electronic format as PDF. Do not send hard Copy. See Conference website for template & guidelines. Authors should only submit originally written, unpublished work to MedCom 2014. www.medcom2014.glbtm.org The decision regarding the acceptance of the papers is at the discretion of the Technical Program Committee.

Video Presentation (Only for International authors) The International authors can send their video submission of accepted paper in case of absence. The video presentation should not exceed 10 minutes.

Registration

For Details regarding registration and payment mode refer conference website

Early Bird (Before 1st Oct. 2014)

Indian	IEEE Members	Non-IEEE Member
Delegates	5000 INR	6500 INR
Full Time Students*	2200 INR	3000 INR
Foreign	IEEE Members	Non-IEEE Member
Delegates	200 USD	250 USD
Full Time Students*	100 USD	175 USD

After 1st Oct. 2014

Indian	IEEE Members	Non-IEEE Member
Delegates	6000 INR	7000 INR
Full Time Students*	3000 INR	4000 INR
Foreign	IEEE Members	Non-IEEE Member
Delegates	300 USD	350 USD
Full Time Students*	175 USD	250 USD

*Proof of regular in-campus student status required
Note: IEEE membership card required for all IEEE member benefits
IEEE life member/Fellow will be given 50% Discount on non-member fee under any category.

Registration Fee Includes:

Registration Kit, Lunch, Tea/Coffee, Proceeding (in CD)



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