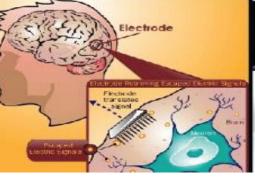


International Conference on Medical Engineering, Health Informatics and Technology







17-18 December | Dhaka, Bangladesh

Call for Papers

The 2016 International Conference on Medical Engineering, Health Informatics and Technology (MediTec 2016) will be held in Dhaka, Bangladesh from 17-18 December 2016. Themed "Smart Systems for Healthcare" with its proximity to the world. This conference aims to bring together researchers, engineers, medical practitioners and experts in Bio-medical engineering, Healthcare, Intelligent Systems and Knowledge Management to share their experience, ideas and future scopes. We welcome the researchers and practitioners from research institutions, universities, hospitals, industries, R&D centers, government and non-government organizations to exchange innovative ideas and contributions related to the following areas but not limited to:

Biomedical and Health Informatics

- Biomedical Signal Processing
- Biomedical and Health Informatics
- Biomaterials and Clinical Engineering
- Mobile Health Applications
- E-Health, Telehealth and Telemedicine
- Health Data Acquisition, Transmission, Management and Visualization
- Practice-based Research for Healthcare IT
- Evaluation and Use of Healthcare IT
- Healthcare Management Systems
- Software Systems in Medicine
- Pervasive Health Systems and Services
- Healthcare Modeling and Simulation
- Biomedical Engineering
- Medical and Nursing Informatics
- Big Data Analytics for Health Care
- Biomedical Engineering Education and Society Biomedical Systems, Applications in Medicine
- Design and Development Methodologies
- for Healthcare IT Point-of-care Healthcare Technologies
- Computational Neuroscience
- Natural Language Processing in Biomedical Applications

Biomedical Signal and Image Processing

- Biomedical and Health Informatics
- Biomedical Imaging Technologies & Image Processing
- Biomedical Signal Processing
- Medical Image Processing and Visualization
- Pattern Recognition and Machine Learning
- Data Mining
- Knowledge Management Decision Support Systems

- Confidentiality and Data Security
- Databases and Data Warehousing
- Affective Computing

Therapeutic Systems and Clinical Technologies

- Cardiovascular & Respiratory Systems Engineering
- Physiological Modeling
- Therapeutic Systems and Technologies
- Clinical Enginéering, Clinical Problems and Applications
- Informatics for Chronic Disease Management
- Patient Condition Screening and Monitoring
- Diagnostic Systems, Devices and Technologies Biomaterials and Clinical Engineering

Neuro and Rehabilitation Engineering

- Human-Machine Interfaces
- Brain Machine Interfaces
- ICT, Ageing and Disability
- Cognitive Informatics
- Electronics for Brain Science
- Neuroscience
- Assistive and Quality of Life Technologies
- Neural Engineering
- Neuromuscular Systems & Rehabilitation Engineering
- Neuro Immunology

Biorobotics, Bionanotechnology and Wearable **Biomedical Sensors and Systems**

- Intelligent Control and Robotics
- Wearable Biomedical Sensors and Systems
- Sensor Design, Integration and Fusion Bioinstrumentation
- Biosensor Devices
- Biomechanics

- BioMEMS
- Bio Interfacing Circuits
- Smart Vision and Image Processing
- Smart Sensors Networks
- Smart Home Environments
- Human Factors
- Human Adaptive Mechatronics
- Micro- & Nano-bioengineering
- Cellular & Tissue Engineering
- Bio-inspired and Neuromorphic Circuits and Systems
- Bio-Robotics, Surgical Planning and Biomechanics
- Wearable, Implantable Devices, Printable/-Flexible Bioelectronics and 3D printing
- Surgical Technology and Engineering
- Stem Cell Engineering

Computational Biology and Bioinformatics

- Bioinformatics
- Computational Biology
- Engineering in Biology & Health Science
- Systems Biology, Modeling Methodolo-
- Bioinformatics in Clinical Environments
- Translational Bioinformatics
- Computer aided Modelling of Physiological Systems

Pharmaceutical Biotechnology

- Computational Chemistry & Drug Design
- API Design & Total Synthesis
- Vaccines & Enzymes
- Screening of Biological Active Compounds
- Current Trends on Drug Delivery System (DDS)

- Clinical Trials & Health Effects
- Preventive Measures to New Diseases
- Drug Engineering
- Drug Development & Delivery Systems
- Immunotherapy
- Nuclear Medicine

ICT. Health and Disabilities

- Neuroimaging in Learning Disabilities and **Developmental Disorders** ICT Based Education for Disables
- Autism and Other Neuro Developmental
- Disabilities Disability and Society
- Assistivé Technology for Disables
- Software Engineering for Accessibility
- Cloud Based Assistive Technology Services
- E-learning and Accessibility
- E-learning Tools and Environments for Disabled Users
- Human Computer Interfaces for Disabled Persons Usability and Ergonomics
- Web Accessibility
- Technology Design for People with Multiple Impairments
- Accessibility and Usability
- E-Aging and Gerontechnology.
- Universal Design Automatic Translation of Sign Languages
- Technologies for Improving Communica-
- tion with Deaf People Representation and Processing of Sign Languages
- Digital Game based Therapy
- Technology Enhanced Learning Smart Home System for Disables

Important Dates:

Paper Submission

30 August 2016

Acceptance **Notification** 15 October 2016

Camera Ready Submission 10 November 2016

Registration Early Bird:15 November 2016 Late: Afterwards

Authors are invited to submit papers describing original, previously unpublished work, not currently under review in the conference, workshop or a journal. Complete manuscripts must be electronically submitted through the conference website. All details are available in the conference website with instructions. From accepted papers 3 best papers will be selected for Dr. Fatema Rashid Awards for Best Papers in the MediTec 2016.

Accepted and presented papers will be published in the MediTec 2016 Conference proceedings and will be included to IEEE Xplore®. Please see website for requirements of accepted authors. Selected papers from the conference proceedings will be invited for possible publication in special issues of some reputed international journals.

Registration

Category	General Fee	IEEE/EMBS Member Fee
International Authors / Participants	US\$ 250	US\$ 200
International Student Authors / Participants	US\$ 200	US\$ 150
Local Authors / Participants	BDT 5000	BDT 4000
Local Student Authors / Participants	BDT 4000	BDT 3000



Secretariat, MediTec 2016 Email: meditec@uiu.ac.bd





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