

# MediTec 2016

International Conference on **Medical** Engineering, Health Informatics and **Tech**nology



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 Engineering, 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 Bio-mechanics
- 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 Methodologies
- 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
- Assistive 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 Communication 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

### Contact Us

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### Venue



**United International University**  
Dhaka, Bangladesh

[www.meditec.uiu.ac.bd](http://www.meditec.uiu.ac.bd)

### Organizer



### In Association with



### Technical Co-sponsor

