

1st International Conference on Biomedical Science and Instrumentation
25th & 26th November, 2016



Heart Lung Machine



CT - Gamma Scan



Operation: CTVS



Students: BMI

Organized by



Joint Academic Programme on Biomedical Instrumentation
University of Calcutta & The West Bengal University of Health Sciences
VENUE:

Fermion Seminar Hall, S.N. Bose National Centre for Basic Sciences, JD Block, Sector-III, Salt Lake, Kolkata 700064, India

ICBSI

Today's medical instruments are considerably more complicated and diverse, primarily because they incorporate electronic systems for sensing, transducing, manipulating, storing and displaying data or information. Medical diagnostic today more and more relies on detailed and accurate measurements of a vast number of physiologic parameters for diagnosing illnesses and prescribe complicated procedures for treating these. While medical instruments acquire and process information and data for monitoring patients and diagnosing illnesses, medical devices use electrical, mechanical, chemical or radiation energy for achieving a desired therapeutic purpose, maintaining physiologic functions or assisting a patient's healing process.

Biomedical Instrumentation Engineering involves developing new devices and procedures that solve medical and health-related problems by combining their recent advances knowledge in engineering, biology, and medicine to improve human health through cross-disciplinary activities that integrate the engineering principles and design concepts to medicine and biology for healthcare purposes (e.g. diagnostic or therapeutic). This field seeks to close the gap between engineering and medicine: biological sciences to advance healthcare treatment, including diagnosis, monitoring, and therapy. Bioengineering field is of service to people, work with living systems, and apply advanced technology to the complex problems of medical care.

The **1st International Conference on Biomedical Science and Instrumentation (ICBSI'16)** organized by **The West Bengal University of Health Sciences and University of Calcutta**, aims to become the leading annual conference in fields related to biomedical science, engineering and systems. The goal of ICBSI'16 is to gather scholars/Researchers/Scientists/Physicians/industry people from all over the world to present advances in the relevant fields and to foster an environment conducive to exchanging ideas and information. This conference will also provide an ideal environment to develop new collaborations and meet experts on the fundamentals, applications, and products of the mentioned fields

Topics of interest include but are not limited to: -

- **Biosignal Processing**
- **Medical Image Computing**
- **Computational and Biomedical Imaging**
- **Point-of-care Healthcare Technologies**
- **Healthcare Informatics and Big Data**
- **Bio-Instrumentation, Bio-Sensors**
- **Bio-micro-nano Technologies**
- **Bioinformatics and Systems Biology**
- **Cardiovascular and Respiratory Systems**

- **Neural Systems and Rehabilitation Engineering**
- **Biomechanics and Bio-Robotics**
- **Therapeutic Sciences, Systems and Devices**
- **Biomaterials and Clinical Engineering**
- **Electron Microscopy**

Guideline for Abstract Submission:

Within 300 words, Font: Times New Roman, 11 point, spacing: 1.5 lines, Margin 1 inch x 1inch, Single column. Both DOC and PDF formats are to be submitted to the mail id: japbmi.conf@gmail.com.

REGISTRATION FEES:

Category	Registration (INR)
Academician	1000
Student/Research Scholar	500
Industry Personnel	2000
Participants without paper	300

Last Date of Paper Submission: 5.11.2016

Intimation of Acceptance: 10.11.2016

Registration Deadline: 16.11.2016

Cheque/DD in favour of **JAP-BMI**

Chief Patron Chairperson

W.B Medical Services Corporation Limited, Govt. Of West Bengal

Vice Chancellor

University of Calcutta

Vice Chancellor

The West Bengal University of Health Sciences

Conference Chair (s):

Prof. Sukumar Mukherjee, Chief Medical Advisor, Govt. of West Bengal

Prof. R. K. Poddar, Former VC, CU

Prof. S. K Dutta, Former Dean of Medicine, CU

Prof. N. Basu, Director, School Of Tropical Medicine, Kolkata, WB

Organizing Chair (s):

Prof. D.N. Bose., Former Dean, IIT-Kharagpur

Prof. C. K. Dasgupta, F.N.A., Emeritus Professor, Jadavpur University

Prof. S. N. Sarkar, Emeritus Professor, CU

Prof. A. S. Chakraborty, Professor CU

Prof. G. Sengupta, Professor IPGMR

Prof. S.C. Roy, Editor, Applied Radiation and Isotopes (Elsevier Journal); Former Professor and Chairman, Dept. of Physics, Bose Institute, Kolkata

Prof. B. K. Chatterjee, Senior Prof. Bose Institute, Kolkata

Prof. R. P. Sengupta, Director, Institute of Neuro Science, Kolkata

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Conference Co-ordinator & organizing secretary:

Dr. Anima Sen, Member Secretary – JAP-Biomedical Instrumentation, CU &WBUHS

Convener:

Dr. Moumita Mukherjee, Faculty & Member (BOS) JAP-Biomedical Instrumentation, CU &WBUHS

Treasurer:

Mr. S. Dutta, Biomedical Engineer, JAP-Biomedical Instrumentation, CU &WBUHS

Key Note addresses by:

Prof. S.C. Roy, Editor, Applied Radiation and Isotopes (Elsevier Journal); Former Professor and Chairman, Dept. of Physics, Bose Institute, Kolkata

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