INVITATION

HEATS – 30

Seminar on Comprehensive Medical Equipment Management System (CMEMS)

Date: 12th May 2018 (Saturday)

Inauguration 09:00 am.

Venue: Hilton Garden Inn, Punnen Road, Statue, Palayam, Thiruvananthapuram

All those who are interested from the Institute may attend the function.

The technical brochure and program attached.

Koruthu P Varughese
Organizing Chair
As per the approval of Director
PROGRAM SCHEDULE

08:30 AM - 09:00 AM  REGISTRATION
09:00 AM - 11:15 AM  INAUGURAL SESSION
11:15 AM - 11:30 AM  TEA BREAK
11:30 AM - 12:30 PM  SESSION I
12:30 PM - 01:30 PM  LUNCH
01:30 PM - 02:30 PM  SESSION II
02:30 PM - 03:30 PM  SESSION III
03:30 PM - 03:45 PM  TEA BREAK
03:45 PM - 04:30 PM  SESSION IV
04:30 PM - 05:00 PM  CONCLUDING SESSION

REGISTRATION DETAILS

Registration form can be downloaded from embs.ieee.kerala.org

Duly filled form to be mailed to cmems2018@gmail.com on or before 7th May 2018 to ensure your participation, as number of seats are limited.

Registration fee: Rs. 1500/-
Students (50% Discount)

IEEE EMBS Students will be reimbursed an amount of Rs. 250/-.  

MODE OF PAYMENT

By online payment or DD in favour of ‘Seminar on CMEMS’ payable at Indian Overseas Bank, Trivandrum Main Branch
IFSC Code: IOBA 000 0099.
Current Account Number: 0099 0200 0001006.

WHO CAN ATTEND THE SEMINAR?

The workshop aims at Hospital Managers, Administrators, Purchase Officers, Store Officers, Biomedical Engineers, Technicians, Researchers and Students to encompass in an interactive experience with a comprehensive equipment management system in hospitals.

FOR MORE DETAILS CONTACT:

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**About:**

**SCTIMST**
Sree Chitra Tirunal Institute for Medical Science and technology (SCTIMST) was established by an ACT of Indian Parliament in 1980 as an Institute National importance under the Department of Science and Technology, Government of India. The Institute conjures the culture of medicine and technology and is one of its kind with a premier focus on tertiary level patient care in advanced medical health facilities, R&D in niche areas of biomaterials and biomedical technology and public health research and training. It also enjoys the status of a University and offers prestigious higher medical/public/clinical engineering courses and PhD program in the country.

**Division of Clinical Engineering**
The Division of Clinical Engineering (DCE) applies and implements medical technology to optimize health care delivery by imparting training, supervising/inspecting/auditing and serving as technological consultants. The safe use and effective maintenance of the equipments in the Institute is also vested in the hands of the Clinical Engineering Division.

**Computer Division**
Computer Division provides various Computing and Network Services for its staff and students. Division provides in house solutions using latest information technology with strengths in highly qualified, trained and motivated manpower and state of art infrastructure. The main thrust given is for MIS and e-Governance.

**IEEE EMBS**
IEEE Engineering in Medicine and Biology Society (EMBS) is the world’s largest international society of biomedical engineers. The organization’s 12,000 members reside in some 97 countries around the world. EMBS provides its members with access to the people, practices, information, ideas and opinions that are shaping one of the fastest growing fields in science. The Kerala Chapter of IEEE EMBS was inaugurated in 2014 and it has Student Chapters in various engineering colleges in Kerala where Biomedical engineering courses are offered. IEEE EMBS empowers the Biomedical engineers technically and professionally by regularly conducting seminars and workshops.

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**HEATS – 30 TECHNICAL SESSIONS**

**SESSION 1**
Impact of cyber security and data protection in medical equipment management
The cyber security posture of medical devices has increasingly become a concern to healthcare providers, device manufacturers, regulators, and patients. As medical devices become more digitally interconnected and interoperable, they can improve the care patients receive and create efficiencies in the health care system. Medical devices, like computer systems, can be vulnerable to security breaches, potentially impacting the safety and effectiveness of the device. Medical device manufacturers are expected to address cyber security risks to keep patients safe and better protect the public health.

**SESSION 2**
Medical equipment standards
The development and use of standards is vital to ensuring the safety and efficacy of medical devices. Numerous regulatory agencies and standards organizations collaborate to establish the accepted standards for medical equipment. Standard setting activities include the development of performance characteristics, characterization and testing methodologies, manufacturing practices, product standards, scientific protocols, compliance criteria, ingredient specifications, labeling, or other technical or policy criteria. The understanding of standards systems, the standards development process and their use in conformity assessment in establishing medical device regulations. A general overview to standards will be provided.

**SESSION 3**
Equipment lifecycle management
The equipment lifecycle Management in Healthcare begins with a process of planning for acquisition, and continues into procurement, acceptance, installation, testing, user training, acceptance usage, monitoring/maintenance, upgradation, decommissioning and disposal. The equipment lifecycle involves the process of managing the entire life of equipment. It consists of series of activities through which the management decisions has to pass through starting from the planning stage to procuring the equipment and throughout its life time till the end stage of decommissioning and disposal. This lifecycle is evolved through several stages of incubation. Different Institute according to their convenience categorise the stages in different way.

**SESSION 4**
Computerized maintenance management system
Computerized Maintenance Management System (CMMS) is a tool which simplifies the process of maintenance management which eliminates paper work and manual tracking activities. CMMS enables a proper inventory control of all assets and an effective method to calculate asset value. The properly managed maintenance system increases the equipment life span and reduces maintenance cost. It helps the management to take the right decision at the right time as the information is available at their fingertip.
Seminar on CMEEMS

Program Schedule

08:30 AM – 09:00 AM  Registration
09:00 AM- 09:01 AM  Silent Prayer
09:01 AM- 09:05 AM  EMBS Code of Ethics
                      Mr. A. G. Hareendralal
09:05 AM - 09:15 AM  Welcome address
                      Mr. Koruthu P Varughese, Organizing Chair
09:15 AM- 09:30 AM  Presidential Address
                      Dr. Harikrishna Varma, HEAD BMT Wing
09:30 Am- 9.45 AM   Inauguration
                      Mr. Keshavendra kumar IAS
                      State Mission Director, National Health Mission, Kerala
9.45 AM- 10.15 AM   Invited Lecture
                      Role of Accreditation to facilitate Quality
                      Mr. Anil Jauhri, CEO NABCB (QCI)
10:15 AM- 10:45 AM  Keynote Address
                      Dr. Jitendar Sharma
                      MD & CEO, Andhra Pradesh Medtech Zone LTD. (AMTZ)
10:45 AM- 10:50 AM  Vote of Thanks
                      Mr. Manoj G. S., Organizing Secretary
10:50 AM- 11:10 AM  Tea Break
11:10 AM- 12:10 PM  Technical Session I
                      Medical Equipment Standards,
                      Mr. P. Srinivasa Reddy, Senior Manager- Technical – AMTZ
12:10 PM- 01:10 PM  Technical Session II
                      Impact of Cyber Security and
                      Data Protection In Medical Equipment Management
                      Ms. Jyothi Ramaswamy, Information Security manager, TCS
01: 10 PM – 02:00 PM  Lunch break
02:00 PM – 02:30 PM  Technical Session III
                      IT infrastructure at SCTIMST
                      Mr. Suresh Kumar B., Engineer ‘E’, Computer Division
02: 30 PM- 03:45 PM  Technical Session IV
                      Medical Equipment Life Cycle &
                      Computerized Maintenance Management System with live demonstration
                      Mr. Manoj G. S., Engineer ‘C’ & Head DCE
03:45 PM – 04:00 PM  Valedictory