

Conference on
**CHALLENGES IN PRODUCT DEVELOPMENT OF
MEDICAL IMPLANTS AND DEVICES**

December 18-19, 2015

*Bringing Academicians, Scientists, Medical Practitioners, Regulatory Personnel, Industrial Representative together
towards developing affordable healthcare devices sector.....*

CPDM 2015



**TEQIP Centre of Excellence on
Microstructurally Designed Advanced Materials
&
Centre for Healthcare Science and Technology
IIEST SHIBPUR organizes**



**Indian Institute of Engineering Science and Technology Shibpur
P.O. Botanic Garden, Howrah-711103.**

<p>Focus of Discussion</p>	<ul style="list-style-type: none"> • Innovations in Medical Implants, and Devices. • Pre-clinical assessment of Medical Products. • Clinical Trial Study Designs and Assessment of Safety of Electrical/Materials in Patients. • Product Lifecycle Management. • Calibration and Testing of Medical Devices. • Commercial issues of developing a new product.
<p>Who Should Attend</p>	<ul style="list-style-type: none"> • Who have innovative medical products wishing to commercialize or have previous experience of commercialization • Startup companies, venture capitalists and industrialists who are wishing to take new products • Medical professionals to understand new technologies and plan their contributions in the engineering of new devices • Regulatory agencies who wish to understand the concerns of innovators • Students who are in advanced years of their graduation (UG, PG and research) and wish to become entrepreneurs in this enterprising area • Academic heads to plan the skill development and education policies for this sector • Product life cycle managers

<p><u>Organizing Committee</u></p>	<p><u>Patron</u> <i>Prof. Ajoy Kumar Ray, Director, IEST Shibpur</i></p>
<p><i>Amit Roy Chowdhury, Convenor</i> <i>Chitrangada Das Mukhopadhyay</i> <i>Ananya Barui</i> <i>Swarup Kumar Ghosh</i> <i>Debdulal Das</i> <i>Monojit Ghosh</i> <i>Chirasree Roy Chaudhuri</i> <i>Partha Bhattacharya</i> <i>Santanu Majumder</i> <i>Asok Adak</i> <i>Pallab Datta; Jt. Convenor</i></p>	<p><u>National Advisors</u> <i>Prof. T. Lazar Mathew</i> <i>Prof. Bikramjit Basu</i></p> <p><u>Institute Advisory Committee</u> <i>Jayanta Kumar Chakraborty</i> <i>Amitava Basumallick</i> <i>Ashoke Sutradhar</i> <i>Arabinda Roy</i></p>

Contact:-

Head, Center for Healthcare Science and Technology

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Email: biomed.iests@gmail.com; arc_98@rediffmail.com; pdax25@gmail.com.

Speakers from Academia...

<u>T LAZAR MATHEW</u>	<u>ABHAY PANDIT</u>	<u>ANINDYA DEB</u>
Advisor, Medical Sciences, Engineering & Technology at PSG Institute of Advanced Studies, Coimbatore.	Dept. of Biomedical Eng. & Director, Network of Excellence on Functional Biomaterials, National Univ. of Ireland.	Centre for Product Design and Manufacturing, IISc Bangalore. Product Design, Design optimization.
<u>ANAMIKA PRASAD</u>	<u>AMIT ASTHANA</u>	<u>ANITA AGARWAL</u>
Department of Applied Mechanics, IIT Delhi.	CSIR-CCMB Hyderabad, Microfluidics laboratory.	Instrumentation Development Program, DST, Government of India.
<u>BHAVUK GARG</u>	<u>BIKRAMJIT BASU</u>	<u>BISHWATOSH SAHA</u>
Department of Orthopaedics, AIIMS, New Delhi.	Materials Res. Centre, IISc Bangalore; Recipient of S S Bhatnagar Prize.	Department of Strategic Management, IIM, Kolkata.
<u>DEWAKI NANDAN TIBAREWALA</u>	<u>DEBRUPA LAHIRI</u>	<u>DINESH BHATTIA</u>
Emeritus Professor, Jadavpur University, Kolkata.	Dept. of Metallurgical and Materials Engineering, IIT Roorkee.	Head, Department of Bio-medical Engineering, NEHU, Shilong.
<u>D. S. NAGESH</u>	<u>HARIKRISHNA VARMA</u>	<u>HIMADRI CHATTOPADHYAY</u>
Modelling and Proto-typing laboratory at SCTIMST, Trivandrum.	Bioceramics Division; SCTIMST Trivandrum.	Dept. of Mechanical Engineering, Jadavpur University, Kolkata.
<u>JYOTIRMOY CHATTERJEE</u>	<u>KARTHIK CHETHAN V.</u>	<u>K. SANKARAN</u>
School of Medical Science and Technology, IIT Kharagpur.	Department of Chemical Engineering, BITS Pilani Hyderabad campus.	Coordinator, DST National Hub for Healthcare Instrumentation, Anna Univ.
<u>KUNAL PAL</u>	<u>M. SIVAPRAKASHAN</u>	<u>NEERAJ SHARMA</u>
Dept. of Medical Eng., NIT Rourkela, Durgapur.	Dept of Electrical Eng. & Healthcare Technol. Innovation Centre, IIT Madras	School of Biomedical Engineering, IIT-Banaras Hindu University, Varanasi.
<u>NARESH BHATNAGAR</u>	<u>PALASH MAJI</u>	<u>PARTHASARTHI BANERJEE</u>
Associate Dean and Department of Mechanical Engineering, IIT Delhi.	Modeling and Simulation Division, CSIR-CMERI, Durgapur.	Modeling and Simulation Division, CSIR-CMERI, Durgapur.
<u>PIYALI BASAK</u>	<u>PRIYABRATA SARKAR</u>	<u>RITA BANERJEE</u>
Director, School of Biosciences and Engineering, Jadavpur University.	Department of Polymer Science and Technology, Calcutta University.	Healthcare and Life Sciences Advisory Committee, DST, Government of India
<u>SANJAY GUPTA</u>	<u>SANTANU DHARA</u>	<u>SUMAN CHAKRABORTY</u>
Dep. of Mech Eng & Faculty Coordinator, International Relations, IIT Kharagpur.	School of Medical Science and Technology, IIT Kharagpur.	Dept. of Mech. Eng. & Head SMST, IIT Kharagpur. Recipient S S Bhatnagar Prize.
<u>SUMAN KAPOOR</u>	<u>VAMSI KRISHNA BALLA</u>	<u>VENKATESH BALASUBRAMANIAN</u>
Dean, International Programs Col. & Dept of Biological Sci. BITS Pilani, Hyderabad.	Bioceramics Coating Division, CSIR-CGRI, Kolkata.	Dept. of Engineering Design; Rehabilitation Bioeng. Group IIT Madras.

Speakers from Industry...



NITIN S KALE

CTO NANOSNIFF TECHNOLOGIES,
MUMBAI



AROOP KUMAR DUTTA

CEO, EXCEL MATRIX BIOLOGICAL
DEVICES PVT LTD, HYDERABAD



PUGAL K PUZHILKADE

DIRECTOR, ENGINEERING
PERFINT HEALTHCARE PVT. LTD., CHENNAI



RAVI SARANGAPANI

DEVP. & QUALITY DIRECTOR ;
ADLER MEDIEQUIP, SMITH & NEPHEW
COMPANY, PUNE



SUMANT BHUTORIA

SUSHMITA GHOSH

GM BIOTECH

PRASANT SRIRANGAM

S3V VASCULAR TECHNOLOGIES PRIVATE
LIMITED

IEST SHIBPUR

Indian Institute of Engineering Science and Technology (IEST), Shibpur was set up as the first IEST of the country by the Government of India in 2014 by converting the erstwhile Bengal Engineering and Science University, Shibpur. The institute, established in 1856 as Bengal Engineering College, has been a premier seat of higher learning in the field of Engineering and Technology. During its almost 160 years of glorious existence the institute has produced brilliant engineers and technologists who have left their indelible mark over and technology.

Centre for Healthcare Science and Technology

The Centre for Healthcare Science and Technology at IEST, Shibpur has been introduced in year 2010 in erstwhile BESU with an objective to provide interdisciplinary research and training programs encompassing the fields of modern biology, medicine, engineering, physics, chemistry and mathematics etc. to solve important and persistent problems related to public health in the society. BESU Shibpur strived to integrate the knowledge base generated in these various fields of study and provide a cross discipline platform for indigenous innovation in the medical sector.

Interestingly, medical technology is a highly innovation driven sector witnessing continuous evolution. At the same time, their human application and marketing is preceded by intensive regulatory scrutiny. Thus the bench to bedside process is highly volatile and time consuming. Presently, extensive global research in the area depict inclination towards a systems approach to understand human physiology under normal and disease conditions, robotizing surgical procedures, miniaturizing devices for non-invasive real time imaging of biochemical processes, creating intelligent systems for programmed delivery of drugs, genetic therapeutics, and harnessing the potential of stem cells for regenerative medicine. We at CHST, IEST Shibpur embrace these global trends to evolve local solutions for the national healthcare system wherein exists an immediate and compelling desire for improvement in quality and efficiency.

Guidelines for Abstract Submission

Selection of papers for presentation will be based on detailed abstracts of about 1500 words latest by November 30, 2015 by email only to biomed.iiests@gmail.com. Abstracts should mention the purpose, clinical conditions targeted, methodology, results, implications, and key references. Authors are requested to adhere to the following:

Length	About 1500 words excluding title/cover page and references
Margins	2.5 cm or 1 inch
Font	Times New Roman, 12 point
Spacing	1.5
Title Page	Title, author(s), affiliation(s), contact details

Registration

Registration fee of Indian Rupees (INR) 1,000 for students and Rs 2000 for Academic/Industry personnel should be sent by NEFT/ demand draft in favour of CPDM-2015, payable at Howrah/Kolkata latest by December 07, 2015. The registration form should be sent along with the demand draft. Fee excludes accommodation.

A/c No.1532010076535;

UNITED BANK OF INDIA BESUS Branch.

A/c name: CPMD-2015. IFSC: UTBI0BUSF63.

INDUSTRY INSTITUTE CONFERENCE

on

CHALLENGES IN PRODUCT DEVELOPMENT OF MEDICAL IMPLANTS AND DEVICES (CPDM-2015)

December 18-19, 2015

REGISTRATION FORM

Name:

Occupation:

Designation:

Address:

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Mobile:

Fax:

E-mail:

Details of Registration Fee:

Draft/ NEFT details: Amt:

Txn/ No: Dtd:

Bank:

Date: Signature

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NOTE: This Form and Fees/NEFT Receipt (both scanned copy) should be sent by e-mail to the Coordinators on or before December 01, 2015.