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Dr. C. MUTHAMIZHCHELVAN

Vice Chancellor, SRMIST

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Registrar, SRMIST

CHAIRPERSONS OF ORGANIZING COMMITTEE

Dr. T. V. GOPAL

Dean, College of Engineering and Technology, SRMIST

Dr. M. VAIRAMANI

Chair Person, School of Bio Engineering, SRMIST

Dr. VARSHINI KARTHIK

Head, Department of Biomedical Engineering, SRMIST

TECHNICAL COMMITTEE MEMBERS

Dr. A.K. Jayanthi, Professor

Dr. T. Jayanthi, Associate Professor

Dr. D. Ashok Kumar, Associate Professor

Dr. S.P. Angeline Kirubha, Assistant Professor

Dr. D. Kathirvelu, Assistant Professor

Mrs. A. Bhargavi Haripriya, Assistant Professor

Dr. P. Vinupritha, Assistant Professor

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NATIONAL ADVISORY BOARD MEMBERS:

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INTERNATIONAL ADVISORY BOARD MEMBERS:

Dr. Michel Condry, Condry Investments and Future Technology Consulting, USA

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De. Yanhui. Guo, University of Illinois, USA

Dr. Alex Noel Joseph Raj, Carolina University, USA

Dr. Karthik Seemakurthy, University of Lincoln, UK

Dr. Vicky Varghese, Medical college of Wisconsin, USA

Dr. Siew Li Goh, University of Malaya, Malaysia

Dr. Mithun Kuniyil Ajith Singh, Cyberdyne, INC., Netherlands

PLENARY / KEYNOTE SPEAKERS

Dr. Michel Condry, Condry investments and future technology consulting, USA

Dr. Chandra Mohan, Univ of Houston, USA

Dr. Srinivasan Jayaraman, Innovation officer, TCS Oregon, USA

Mr. Venkatesh H R, Baxter International, Bengaluru

Dr. Ricardo Vardasca, ISLA Santarem, Portugal

Dr. Ram Bilas Pachori, IIT Indore

Dr. Ganapathy Krishnamoorthy, IIT Madras

Dr. Srivathsan Vasudevan, IIT Indore

Dr. N Sriraam, MSRT, Bengaluru

Dr. Kuldeep Singh, MNIT, Jaipur

Dr. Karthik Seemakurthy, University of Lincoln, UK

Dr. Vicky Varghese, Medical college of Wisconsin, USA

ADDRESS FOR CORRESPONDENCE

CONVENER-ICBECT22

Dr. U. Snekhalatha, Associate Professor

Email: icbect22@srmist.edu.in

CONTACT US

CO-CONVENERS

Dr. Vani Damodaran, Assistant Professor

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Mrs. P Lakshmi Prabha, Assistant Professor

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International Conference on BIOMEDICAL ENGINEERING AND COMPUTING TECHNOLOGIES (ICBECT'22)

Virtual Mode on

21st - 25th March 2022

Preconference workshop:

21st - 22nd March 2022

Conference:

23rd - 25th March 2022

Theme:

Machine learning in
Medical Image and Signal Processing



SRM

INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

Organised by

Department of Biomedical Engineering
School of BioEngineering
College of Engineering and Technology
SRM Institute of Science and Technology
Kattankulathur Campus, Chengalpattu (Dt)
Chennai - 603203, Tamil Nadu, India.
Phone: 044 - 27417814
Website: www.srmist.edu.in

ABOUT SRM IST

SRM Institute of Science and Technology (formerly known as 'SRM University') is located in an extensive sylvan campus of 380 acres skirting the National Highways (NH145), in the outskirts of Chennai. SRMIST is one of the top ranking Universities and most premier engineering destinations in India, which was established in 1985 by the Founder Chancellor, Dr. T.R. Paarivendhar. Now it is functioning in campuses located at Kattankulathur, Ramapuram Part (Vadapalani) and Ramapuram in Chennai and one in Modi Nagar, Ghaziabad with over 52000 students and 3200 faculty members, offering wide range of undergraduate, postgraduate and doctoral programs in Engineering, Management, Medicine & Health Sciences, Agriculture, Law and Science & Humanities. The Institution has moved up through international alliances and collaborative initiatives to achieve global excellence. SRMIST also collaborates with various foreign Universities. Now the Institute enjoys an unsurpassed reputation in academic and corporate circles being the preferred manpower source for vision to be recognized as a world - class learning institution. SRMIST has been accorded Category I status by MHRD-UGC of Government of India and also accredited by NAAC with 'A++' Grade in the year 2018.

ABOUT THE DEPARTMENT OF BIOMEDICAL ENGINEERING

The Department was established in the year 2004 with active clinical/industry partnership in association with SRM Medical College Hospital and Research Institute, Kattankulathur. Since then, the department has been actively engaged in diversified research and teaching. Its main objective is to provide a knowledge-based, timely, cost effective and high quality service to clinicians in a professional and responsible manner, in order to improve and enhance patient care by supporting all aspects of care related technology. The department offers B.Tech, M.Tech, and Ph.D programmes in Biomedical Engineering. The students of our department periodically visit various departments of our medical institutions, and get a deep knowledge about the existing medical devices and instruments. About 250+ research papers and 300+ conference papers have been published in national and international levels. More than 32 patents have been filed and 24 patents published in national levels.

ABOUT THE CONFERENCE

All efforts and innovation in the field of medicine aims at improving clinical outcomes, patient care, precise diagnosis and improved therapy. Importance to affordability, accessibility and ease of use are of priority to tackle the evolving global challenges. With increasing health problems and diagnosis, large data is available for analysis. The need for intelligent systems to handle, sort, analyze, predict the condition and suggest an appropriate treatment plan is on the rise. This emerging field is a result of contribution from various technologies pertaining to image processing, signal processing, computer vision, machine learning, deep learning, IoT, etc. Bringing together academicians and industry personnel working on these aspects and to

find ways of improving the existing techniques is very important to leverage its potential. With this as the focus, the 1st International Conference on Biomedical Engineering and Computing Technologies is being organized virtually with a theme of "Machine Learning in Medical Imaging and Signal Processing". This conference aims at bringing together experts to showcase their contribution and opportunities for evolution in the research work for improved outcomes.

CALL FOR PAPERS

The aim of ICBECT 2022 is to bring together specialists and practitioners from industry, R&D institutes and academicians and to provide the forum for exchange of ideas. It also provides a premier interdisciplinary platform for researchers, practitioners, and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of recent advances in Biomedical Engineering research and applications. Papers in the following areas are welcome. Submissions in related and relevant areas are also welcome.

- Medical Imaging
- Biomedical signal processing
- Video Processing
- Pattern Recognition
- Computational Vision
- Machine Vision in Medical Technology
- Machine Learning
- Deep learning
- Evolutionary algorithms
- Artificial intelligence in medical imaging
- IoT in Health care
- Data science and analytics
- Soft Computing
- Neural Computing
- E-health and Mobile –Health
- Wireless Body area networks
- Biosensors
- Bioinspired Human Machine Interface
- Speech signal recognition
- Biomedical instrumentation

IMPORTANT DATES

Submission of Full Paper : October 15 2021
Acceptance Notification : October 31 2021
Submission of Final Paper : November 31 2021
Deadline for Registration : Jan 31 2022
Conference Date : 21 - 25 March 2022

PUBLICATIONS

All submitted papers will be subjected to peer review as per the journal norms (including similarity and plagiarism check less than 10%). Finally, all the accepted papers will be published in any one of the following listed Journals based on domain and authors interest.

AIP CONFERENCE PROCEEDING

Indexed: Scopus, ISSN: 1757-899x, SNIP: 0.543

The word template for preparing the paper is available at icbect22 website:

<https://sites.google.com/srmist.edu.in/icbect22/home/>

Publication cost extra

* E - Certificate for all authors

REGISTRATION

Category	National	International
Students, Research Scholars, Faculty	Rs 3000	\$150
Industry	Rs 5000	\$200

BANK DETAILS

Account Name : Biomedical SRM
Account No. : 117001000633136
Name of the Bank : City Union Bank
IFSC Code : CIUB0000117
MICR No. : 600054011

FOR REGISTRATION

Website :
<https://sites.google.com/srmist.edu.in/icbect22/home/>

REGISTRATION LINK

Registration form :
<https://forms.gle/TZSKSmFn8F8zLtPh7>

Pre-Conference registration :
<https://forms.gle/4fms11gh3jMZrr7f9>