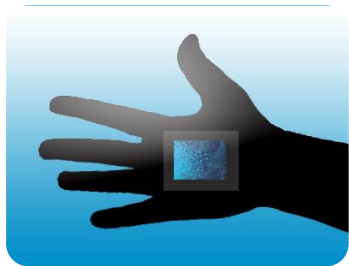


NATIONAL CONFERENCE ON BIOMEDICAL ENGINEERING (NCBE-2020)

January 22-24, 2020



FINANCIAL SUPPORT FROM



सत्यमेव जयते

Government of India
Ministry of Science and Technology
Department of Scientific and Industrial Research

ORGANISED BY



Electronics & Communication
Engineering Department
**National Institute of Technical
Teachers Training and Research**
Sector 26, Chandigarh - 160019

Website: www.nitttrchd.ac.in
Email: ncbe2020@nitttrchd.ac.in

NATIONAL CONFERENCE ON BIOMEDICAL ENGINEERING (NCBE-2020)

January 22-24, 2020
NITTTR, SECTOR 26,
CHANDIGARH – 160019

PREAMBLE

Advances in technology in the last few decades has resulted in integration of automation and embedded intelligence in medical instruments – both for clinical and research purposes. Many new innovations in areas like biometrics, biomedical optics, skin and neuro engineering, molecular bioengineering, minimal invasive monitoring of physiological parameters, robotic surgery etc. have contributed immensely to the well-being of common people. However, healthcare is a societal mission and therefore, the journey of biomedical instrumentation is never-ending one.

AIM OF NCBE-2020

The main objective of this conference is to bring together the scientists, researchers, engineers, scholars and students from institutions, universities, laboratories and industries to exchange and share their experiences, new ideas, research results, the practical challenges encountered, the solutions adopted and about all aspects of Biomedical Instrumentation and Healthcare Engineering. This will give a platform to the participants to promote focused discussion and interaction on numerous areas related to biomedical engineering and technology to improve quality of life for common people of society.

AREAS TO BE COVERED AT NCBE

The suggested areas to be covered (but not limited to) in the conference are:

- Biomedical Telemetry and Telemedicine
- Biomedical Electronics & RF Design
- Biomedical Imaging
- Bio-electric Signals
- Wearable Technologies

- Robotics & Automation
- Antennas for Biomedical Applications
- Clinical laboratory tests & measurements
- Ambulatory Monitoring Instrumentation
- Physiological Sensors & Transducers
- Patient Safety
- Patient Monitoring Systems
- Laser Applications
- Automated Drug Delivery Systems
- Miscellaneous Biomedical Instruments
- Artificial Intelligence in Biomedical Engineering
- Bio-inspired Computing Applications in Electronics, Communication & Engineering

PAPER SUBMISSION DETAILS

Contributed papers based on original work from Scientist, Researcher Engineers, Scholars and Students are invited for presentations. Full manuscript should be submitted in conference format as per the instructions given on the conference website

<http://www.nitttrchd.ac.in/sitenew1/ncbe2020>

Best papers under student & faculty categories shall be awarded.

REGISTRATION

Participants are requested to register by intimating to convener in advance. The registration charges (as given below) are to be sent to the convener in the form of DD/Crossed cheque in favour of Director, NITTTR, Chandigarh, payable at Chandigarh.

Industry	: Rs. 3000/-
Academics/R&D	: Rs. 2500/-
Research Scholars /	
Regular Students	: Rs. 1500/-

Refreshments and lunch shall be provided free of cost to participants during the days of conference.

Note: Registration fee can also be paid through NEFT transaction to the

Account No: 55105008209, State Bank of India, Sector 26, Chandigarh RTGS/NEFT/IFSC Code: SBIN0050116.

Please send receipt / details of transaction along with the registration form.

ACCOMMODATION

Requests for accommodation will be entertained on first-cum-first-serve basis. Accommodation may be provided in the Hostels/Guest House. Charges for accommodation shall be Rs. 100/- per day per bed in hostel and Rs. 900/- per day in Guest House on sharing basis subject to availability.

PUBLICATION

Accepted papers after peer review will be published as Special Issue in NITTTR Institute Journal. Few selected papers will be sent to SCI/Scopus Indexed Journal for publication.

SPONSORSHIP/ADVERTISEMENT

The reputed educational & industrial agencies interested in sponsoring the conference events can contact conference chair.. The following tariff is to be sent in the form of DD/Crossed cheque in favour of Director, NITTTR, Chandigarh, payable at Chandigarh:

Half Proceeding Page Advt.:	Rs. 5000/-
Full Proceeding Page Advt :	Rs. 10,000/-
Banner Display	: Rs. 5,000/-
Souvenir(s) with Logo	: Rs. 10,000/-

IMPORTANT DATES

Full paper Submission	: Dec. 10, 2019
Intimation of Acceptance	: Dec. 26, 2019
Registration & Camera	
Ready Paper	: Jan. 05, 2020
Conference Dates	: Jan. 22-24, 2020

ADDRESS FOR CORRESPONDENCE

Ms. Garima Saini
Convener
National Conference on Biomedical
Engineering (NCBE - 2020)
NITTTR, Sector 26, Chandigarh-160019
Telephone No. 0172-2759665
E-mail ID: ncbe2020@nitttrchd.ac.in
<http://www.nitttrchd.ac.in/sitenew1/ncbe2020>

ABOUT DSIR

The Department of Scientific & Industrial Research (DSIR), Ministry of Science & Technology, Government of India is involved in promoting industrial research and fostering an enabling innovation environment. It has a number of activities relating to indigenous technology promotion, development, utilization and transfer.

Vision:

Enabling India to emerge as global industrial research and innovation hub

Mission:

- ⇒ Invigorating industrial research in the country through industry and institution centric motivational measures and Incentives;
- ⇒ Creating an enabling environment for development and utilization of new innovations;
- ⇒ Enhance innovations through its resources and channelize benefits thereof to the people.

A2K+ EVENTS

The Access to Knowledge for Technology Development and Dissemination (A2K+) – Events programme of DSIR provides a platform for exchange of views among industry, consultancy organizations, academic and research institutions that would lead to useful insights on issues relating to industrial research and technological innovation and help in evolving tools and techniques to remain competitive in today's business climate.

The objective of A2K+ Events program is to support the organization of workshops, interactions, training programmes, exhibitions and other events for identification of collaborative projects between academia, institutions and industry participating in the events.

For details, visit DSIR Website at <http://www.dsir.gov.in>

In line with the above, this conference is being financially supported by DSIR.

ABOUT NITTTR CHANDIGARH

Since its inception in 1967, NITTTR (formerly TTTI) Chandigarh has made rapid strides in the areas of Engineering and Technology and other emerging areas like Educational Television, Entrepreneurship Development, Rural Development, Industry-Institute Interaction and Educational Management. Presently, the Institute conducts more than 400 short-term training programmes annually for polytechnic and engineering college teachers, professionals and managers of industries. The Institute offers six postgraduate programmes in Engineering and Engineering Education through regular and modular modes. In addition to education and training programmes, the institute renders extension services to polytechnics, undertakes research and development projects and develops print and non-print instructional material.

ABOUT CHANDIGARH

Located at 270 km north-west of New Delhi, City Beautiful Chandigarh, well-planned and one of the fastest growing metropolitan cities of modern India is hub of many R&D, academic and industrial institutions including Semi-Conductor Complex Ltd (SCL), Terminal Ballistic Research Lab (TBRL), Central Scientific Instruments Organisation (CSIO), Snow & Avalanche Studies Establishment (SASE), Bharat Electronics Ltd. (BEL), Centre for Development of Advanced Computing (CDAC), Post Graduate Institute of Medical Education and Research (PGIMER), National Institute of Pharmaceutical Education & Research (NIPER), Engineering and Medical Colleges, Software Technology park etc. The city also offers pleasing sight in Rock Garden, Rose Garden, Sukhana Lake, Topiary Park, Terrace Garden, Capitol Complex, Museum and Art Gallery etc.

ORGANIZING COMMITTEE

- Patron : Dr. S.S. Pattnaik, Director, NITTTR, Chandigarh
- Organizing Chairs : Dr. S. S. Gill
Professor & Head (ECE)
Dr. Amod Kumar
Professor, ECE
- Convener : Er. Garima Saini
Assistant Prof., ECE
- Organizing Secretaries : Dr. Balwinder Singh
Dhaliwal,
Associate Prof., ECE
Dr. Kanika Sharma
Assistant Prof., ECE

ADVISORY COMMITTEE

- Prof. Ajat Shatru Arora, SLIET, Longowal
Prof. Ajay Sharma, VC, PTU, Jalandhar
Prof. Animesh Biswas, Director, NIT Rourkela
Prof. A. Pattnaik, IIT Roorkee
Prof. Brajesh K. Kaushik, IIT Roorkee
Prof. Dinesh Kumar, VC, J. C. Bose UST, YMCA, Faridabad
Sh. I. P. Singh, MD, Oceanic Fitness, Mohali
Prof. Jyotindra S. Sahambi, IIT Ropar
Prof. L. K. Awasthi, Director, NIT Jalandhar
Prof. Munna Khan, Jamia Millia Islamia University, New Delhi
Prof. R. K. Sinha, Director, CSIO Chandigarh
Prof. Ravinder Aggarwal, Thapar University, Patiala
Prof. S. Raghavan, NIT Trichy
Prof. Satish Kumar, Director, NIT, Kurukshetra
Sh. U. N. Maurya, MD, LM Healthcare, Chandigarh
Prof. V. M. Murthy, KU, Kurukshetra
Prof. Vinod Kumar, VC, JUIT, Solan

REGISTRATION FORM

NATIONAL CONFERENCE ON BIOMEDICAL ENGINEERING

(NCBE-2020)

January 22-24, 2020

NITTTR, SECTOR 26,
CHANDIGARH - 160019

1. Name of Participant (Dr/Prof/Mr/Ms):
2. Designation:
3. Organization:
4. Mailing Address:

Phone No.
E-mail:
5. Registration Category (tick appropriate):

Academic/Industry/R&D Person/
Regular Student/ Research Scholar
6. Registration Fee details

DD/ Cheque / Receipt No.:
Date:
Bank:
Amount:
7. Accommodation required: Yes/No
If yes, in Guest House or Hostel?
Number of beds:
8. Details of Arrival and Departure

Signature of Delegate