

Aim & Scope

Aim of the International Conference on Biodental Engineering and Applications-2020 (ICBdEA-2020) is to solidify knowledge of bioengineering and mechanical engineering applied to dentistry. Dentistry is a branch of medicine with its own peculiarities and very diverse areas of action, and in recent years multiple new techniques and technologies have been introduced includes materials (new/smart), design analysis, high-end imaging, fabrication methods and thermal engineering aspects.

ICBdEA-2020 will widen the scope of bringing together innovators, researchers and industries under common goal – creating, evaluating, implementing and benefiting from innovations in the areas of engineering applications in dentistry. It will thus support innovative projects and bring benefits to all involved participants. Participants from Universities, Institutes, Associations, Companies, Consultancies, R&Ds etc. from India and abroad will be invited. ICBdEA-2020 will be successful being the collaborative conference of its first kind and aims to be one of the most influential channels transferring innovative ideas from academia to industry thereby these ideas may start to generate consultancy, projects and collaborations.

The Conference theme includes the following broad areas of Mechanical Engineering and Dentistry

The contributions will be from different countries and provide a comprehensive coverage of the current state-of-the-art on several scientific and relevant fields, such as:

Biomechanical disorders
New and smart dental materials
Smart and intelligent fabrication processes
Modeling and analysis of dental dysfunction
Orthodontics
Implantation technology
Aesthetics
Dental systems
Dental devices and instrumentation
Dental imaging and analysis

Moreover, focus will also be given on the techniques and methodologies covered include, the finite element method, experimental techniques, composite materials, clinical studies, biomaterials, rapid prototyping, fracture mechanics, osseointegration, biomechanics, dental prostheses, image processing and analysis, dental systems and equipments and mechanical biology. The Conference will be useful to dentists, engineers, researchers and students in fields of bioengineering, and to suppliers and providers of medical systems, equipment and services related to dentistry. All submitted papers will be evaluated by the conference reviewer committee in terms of quality, originality of approach and relevance to the theme of the conference.

All accepted, registered and presented papers will be published in **Springer Lecture Notes in Mechanical Engineering and IOP-Conference series indexed in SCOPUS.**

Policy on Plagiarism

- Authors are requested to kindly refrain from plagiarism in any form. Authors should submit their original work/ unpublished work/paper not under consideration under publication elsewhere .
- Manuscript found to be plagiarised during any stage of review shall be rejected.
- As per copyright transfer agreement, authors are deemed to be individually or collectively responsible for the content of manuscript published them.

Bhubaneswar “The Temple City of India”

With the architectural legacy of the Kalinga Dynasty, Bhubaneswar boasts up with hundreds of temples including Lingaraj temple, Mukteswar temple, Raja ranj temple, Brahmeswar temple, etc.. Dating from 6th – 13th century AD. Apart from remarkably sculptured temples, the Jain caves of Khandagiri and Udayagiri, Nandankanan zoological park, the peace of pagoda “Dhaulti” on the bank of the river Daya attracts visitors from all over the world. PURI, Konark along with capital city i.e Bhubaneswar forms the three vertices of golden triangle of Odisha tourism circuit.



How to reach us

Campus -8, School of Mechanical Engineering, Kalinga Institute of Industrial Technology (Deemed to be University), Patia, Bhubaneswar, Odisha- 751024

Nearest Railway Station: Bhubaneswar railway station: 10.5 km from KIIT

Nearest Airport: BijuPatnaik International Airport, Bhubaneswar: 11.9 km from KIIT.

**** OLA, UBER rides are also available from Airport & Railway Station.**

About KIIT (Deemed to be University)

Kalinga Institute of Industrial Technology (KIIT) deemed to be university located at Bhubaneswar, Odisha, India. KIIT is unique among its peer institutions in having nineteen schools co-located on one contiguous campus offering more than 100

programs including UG/PG studies in the disciplines including engineering, management, medicine and law. KIIT has been awarded Tier-1 status by NBA(AICTE) accredited with Grade 'A' by NAAC(UGC), ranked 42nd among the Indian universities ranked by NIRF, Govt. of India and has been accredited by IET,U.K. Its sister institution, Kalinga Institute of Social Science (KISS) has the distinction of being the largest and first tribal university of the world. KIIT & KISS have been founded by eminent educationalist and social activist Prof. (Dr.) Achyuta Samanta. Recently, KISS has been selected to host the 19th International Congress of Anthropological and Ethnological Sciences (ICAES) in 2023. Detailed information about KIIT and KISS Deemed to be university can be obtained from: <https://www.kiit.ac.in> ; <https://www.kiss.ac.in>

About School of Mechanical Engineering, KIIT

The School of Mechanical Engineering, possesses highly qualified and experienced faculty members from various IIT's NIT's and other reputed institutions. The current consultancy and research & development areas of school include jet and spray impingement heat transfer, droplet and spray combustion, computational fluid dynamics, mechanical system designs and optimization, biomass and biofuels, vibration and machine condition monitoring, meta machining, metal matrix/polymer matrix composites. We have to our credit a good number of publications in reputed SCI/Scopus indexed journals, patents and projects funded by bodies like AICTE, DST, DRDO, Institution of Engineers (IE), Govt. of India.

About Kalinga Institute of Dental Sciences (KIDS)

Kalinga Institute of Dental Sciences was born out of the vision of Dr. Achyuta Samanta in the year 2007 to set up a world class Dental college & Hospital in Bhubaneswar. Since its inception, KIDS has steadily progressed as a major force in the field of graduate & post-graduate dental education and oral health care. In a short span of 12 years, it has established its good will and reputation among the student community and patients. The institution is recognized by the Dental Council of India and Ministry of Health & Family Welfare, Govt. of India. KIDS is proud of its very competent, dedicated, highly qualified and experienced faculty members who have created a learning process that is effective and thoroughly impactful. KIDS is an one stop solution dental hospital in Bhubaneswar providing patients access to impeccable expertise and superior personalized service. The hospital boasts of having the most modern equipments and technology, an integrated team of doctors and trained hospital staffs who are dedicated to providing the highest standard of patient care. KIDS also take pride in having an abundant inflow of patients, state of the art dental chairs, smart air conditioned Lecture Theatres and well equipped laboratories. It is considered to be a patient friendly hospital that offers advanced treatment at a very affordable cost.

Registration Form

Information Brochure

on

International Conference on Biodental Engineering and Applications-2020

13th-14th March 2020



Name:
Designation:
Organization:
Address for correspondence:
Phone:
E-mail:
Fax:
Paper Title:
Author's List:
Accompany Person's:
Accommodation Required:
If Yes @ Guest house/ Hostel/ Hotel:
Probable date of arrival:
Registration fees:
Demand draft / Cheque No.:
Drawn on:
Date: Place:

Signature

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Founder, KIIT & KISS, Bhubaneswar

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Submission of papers

Prospective authors of contributory papers are requested to submit their full paper manuscripts limited to a maximum of 06 pages in Springer LNME template to:
<https://easychair.org/conferences/?conf=icbdea2020>

Important Dates

| | |
|--------------------------------------|------------|
| Full paper Submission (in template): | 28/01/2020 |
| Notification of Acceptance: | 05/02/2020 |
| Revised Paper Submission: | 15/02/2020 |
| Registration Status: | 25/02/2020 |

Registration Details:

The registration fees details are as follows:

Category:

| | |
|---|--------------|
| National Delegates from Industry / R&D: | INR 10,000/- |
| National Delegated (Academia): | INR 6,000/- |
| National Student Delegates (Ph.D./M.Tech/B.Tech/B.D.S/M.D.S): | INR 4,000/- |

| | |
|--|--------|
| International Delegates from Industry / R&D: | \$ 350 |
| International Delegated (Academia): | \$ 300 |
| International Student Delegates (Ph.D./M.Tech/B.Tech): | \$ 200 |

Payment towards registration fees should be made through online transfer and the bank details for payment of fees are as follows:

IFSC Code:

Account Number:

Swift Code:

Account name:

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Organized by:
School of Mechanical Engineering (SME)
KIIT Deemed to be University
Bhubaneswar-751024, Odisha, India

In association with:
Kalinga Institute of Dental Sciences (KIDS)
Bhubaneswar-751024, Odisha, India

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Visit us: <http://kiit.ac.in/ICBdEA-2020>

Venue

School of Mechanical Engineering, KIIT Deemed to be University, Bhubaneswar-751024, Odisha, India