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## Submission of Papers

Prospective authors of contributory papers are requested to submit their full manuscripts limited to a maximum of 06 pages in Springer LNME Template to:

<https://easychair.org/cfp/ICAMME2019>

## Important Dates

Full paper submission (in template)	31-12-2018
Notification of acceptance	05-01-2019
Revised paper submission	10-01-2019
Registration Starts	15-12-2018

## Registration Details

The registration fee details are as follows:

Category	Fee
National delegates industry/R&D	Rs 8000
National delegates	Rs 5500
Student delegates	Rs 5000
International delegates industry/ R&D	\$200
International student delegates	\$150

Payment towards registration fees should be made through on-line transfer. The bank details for payment of fee are as follows.

IFSC Code 0003951  
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# International Conference on Advances in Materials and Manufacturing Engineering - 2019

(15<sup>th</sup> -17<sup>th</sup> March, 2019)



Organized by:

School of Mechanical Engineering, KIIT  
Bhubaneswar-751024, Odisha, India

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**KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY (KIIT)**

Deemed to be University U/S 3 of UGC Act, 1956

## Aim & Scope

The International Conference on Advances in Materials and Manufacturing Engineering (**ICAMME-2019**) aims to provide an ideal platform and bring together the researchers, scientists, engineers, industrial experts, scholars and students share and widen their knowledge on theoretical, numerical and experimental developments in the field of processing, manufacturing & characterization of materials. This conference offers excellent opportunities for the participants to have a direct exchange of ideas and experiences, to mine potential research problems, to forge research relations alongside finding partners for future collaborations. The conference has invited eminent speakers from industry and academia for delivering keynote-lectures and plenary-talks. Given the gamut of engineering challenges pertaining to mechanical engineering and materials that the modern society is currently faced with, a holistic effort involving and transcending various disciplines of mechanical engineering is essential. Therefore, the **ICAMME-2019** aims at emphasizing the need for channelizing the research efforts from various streams of mechanical engineering for bringing technological advancements addressing and providing solutions to key engineering issues.

Papers are invited on the following topics to be addressed (but not limited to) in accordance with the theme of the conference:

- Advanced Machining Processes
- Advanced Structural Materials
- Advances in Computational Materials Science
- Agile/ Lean/Intelligence Manufacturing
- Alternate materials /material substitution
- Application of alloys/composite techniques
- Automation in Manufacturing/Robotics
- Bio-mimetic & Bio-inspired Materials
- Clean and Sustainable Manufacturing Processes
- Composite, Intermetallics and Polymer Manufacturing
- Computational Mechanics and Simulation
- Computer-based Manufacturing Technologies
- Design Tools, Cutting Tool Material
- Environmental Degradation of Materials
- Failure and Fracture Mechanics
- Flexible Manufacturing System
- Functionally Graded Materials, Smart Materials
- Graphene and 2D Materials
- Green materials and Manufacturing
- High-speed/Hybrid Machining processes
- Hydrometallurgy
- Innovations in metal forming, bending & casting techniques
- Joining / Material Modification Technology
- Logistics and Supply Chain Management

- Metallurgy of Non-Ferrous, Rare and Precious metals
- Metrology and Computer Aided Inspection
- MEMS Integration/Packaging
- Magnetic, Electronic and Optical Materials
- Surface Engineering
- Structural health monitoring
- Micro Machining
- Nanomaterials and Nano-composites
- Numerical Modelling and Simulation
- Plastic Waste Management
- Powder Metallurgy/ Ceramic Forming
- Precision Mechanics, Mechatronics
- Quality & Reliability Engineering
- Rapid Manufacturing Technologies and Prototyping
- Recycling and re-manufacturing of Materials and Components
- Reverse Engineering and Concurrent Engineering
- Sensors and Condition monitoring
- Thermal Spray
- Thermally-Enhanced Processes and Materials
- Thin and Thick films
- Total Quality Management and Quality Engineering
- Ultra-Precision Machining
- Virtual Manufacturing and Concurrent Engineering
- Web-based Manufacturing

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 & presented papers will be published in **Springer Lecture Notes in Mechanical engineering indexed by SCOPUS.**

### Policy on PLAGIARISM

- Authors are requested to kindly refrain from plagiarism in an form. Authors should submit their original and unpublished research work not under consideration for publication elsewhere.
- Manuscript found to be plagiarised during an 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.

### About KIIT

Kalinga Institute of Industrial Technology (KIIT) is a 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 educationist and social activist Prof. 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:

<http://www.kiit.ac.in>

<http://www.kiss.ac.in>

### About School of Mechanical Engineering, KIIT

The School of Mechanical Engineering, KIIT possesses highly qualified and experienced faculty members from various IITs, NITs and other reputed institutions. The current consultancy and research & development areas of the school include jet and spray impingement heat transfer, droplet and spray combustion, computational fluid dynamics, mechanical systems design & optimization, biomass and biofuels (synthesis, analysis and optimization), vibration and machine condition monitoring, meta machining, metal matrix/polymer matrix composites (fabrication and characterization), metal forming. 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.

### Bhubaneswar "Temple City of India"

With the architectural legacy of the Kalingadynasty, Bhubaneswar boasts up with hundreds of temples including Lingaraj, Mukteswar, Raja Rani, Brahmeswar, Vital, etc. dating from 6th-13th century AD. Apart from remarkably sculptured temples, the Jain caves of Khandagiri and Udhayagiri, Nandankanan zoological park, the peace pagoda 'Dhauli' on the bank of the river Daya attract visitors from all over the world. Puri, Konark along with capital city of Bhubaneswar form the three vertices of Golden Triangle of Orissa tourism circuit



### How to reach us

Campus-8, School of Mechanical Engineering, KIIT, Patia, Bhubaneswar, Odisha. PIN: 751024

#### Nearest railway station

Bhubaneswar railway station: 12.5 km from KIIT.

#### Nearest Airport

BijuPatnaik International Airport, Bhubaneswar: 12.9 km from KIIT.

App based cabs are also available from Airport & Railway Station.