

### Venue

The Venue of the conference is Sant Longowal Institute of Engineering and Technology, Longowal which is by road about 130 km from Chandigarh "The City Beautiful"; 205 km from Home of the glorious Golden Temple, the Iconic city of Amritsar, 260 km from Shimla "The Queen of the Hills" 270 km from New Delhi "The National capital of India", 350 km from Dharamshala, a true global village and the second winter capital of Himachal Pradesh, 410 km from Manali, a gift of the Himalayas to the world, 470 km from Agra, "The city of Taj Mahal" and 480 km from Jaipur, "The Pink City".

### Publication opportunity

All accepted and presented manuscripts will be published in reputed journals as per their relevancy:

\*Name of journals will be announced soon

### Submission of manuscript

Authors are requested to submit full length paper online through EasyChair Link

**AME-2020** <https://easychair.org/conferences/?conf=ame20200>

**AISCT-2020**

**ACFBT-2020** <https://easychair.org/conferences/?conf=acfbt2020>

For more details kindly visit website: [www.slietcon.org](http://www.slietcon.org)  
While submitting manuscript format should be followed.  
Manuscript must be submitted in PDF format.

### Organising Committee

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Chairman, BOM SLIET

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### Important dates

Submission of full paper : December 15, 2019  
Acceptance notification of full paper : December 30, 2019  
Revised paper Submission : January 15, 2020

Registration Fee	Indian (in ₹)		International (in USD)	
	Early Bird	Regular	Early Bird	Regular
Category	Before 31/12/2019	After 31/12/2019	Before 31/12/2019	After 31/12/2019
Student/Post Doc.	3000.00	3500.00	125.00	150.00
Academic/Non-profit Org.	4500.00	5000.00	200.00	225.00
Industry	8500.00	10000.00	275.00	325.00
Accompanying Person	1500.00	2000.00	75.00	100.00

### Note

Maximum one paper could be contributed on a single registration. However, authors can register for maximum one additional paper by paying extra 50% of registration fee. The registration fee includes registration kit, copy of conference proceedings, breakfasts, lunches, dinners and session tea along with transportation 'pick and drop (for foreign delegates) from Chandigarh airport and to and fro from the local place of stay to the venue of the conference' and 'only local transportation (for Indian delegates) to and fro from the place of stay to the venue of the conference'.

### Mode of Payment

The participants are requested to deposit registration fee by only bank transfer and send the online transaction details to the organizers. The Electronic bank transfer details are as under:

Track	AME-2020	AISCT-2020	ACFBT-2020
Account Name	AME-2020	AISCT-2020	ACFBT-2020
Account Number	3770317464	3773781038	3773780953
Bank Name	Central Bank of India		
Bank Address	SLIET, Longowal, Sangrur, Punjab, INDIA- 148106		
Swift Code	CBININBB		
IFSC Code	CBIN0283105		
MICR Code	14816907		
Branch Code	83105		

### Accommodation

Limited accommodation is available at the venue. Information regarding accommodations in the nearby vicinity on payment basis will be made available. The details are available at conference website.

### Contact us

AME-2020	AISCT-2020	ACFBT-2020
Dr. Jaspal Singh Gill +91 94172 70370 +91 1672 253306 (O)	Dr. Birmohan Singh +91 98159 80400 +91 1672 253208 (O)	Dr. Vikas Nanda +91 98159 80054 +91 1672 253254 (O)
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## SLIET-I-CON-2020

A Multi-Track International Conference

Under  
TEQIP-III (Twinning Program)

- International Conference on "Advances in Mechanical Engineering (AME-2020)"
- International Conference on "Advances in Soft Computing Techniques (AISCT-2020)"
- International Conference on "Advances in Chemical, Food and Bioprocess Technology (ACFBT-2020)"

**Feb. 26<sup>th</sup> - 29<sup>th</sup> 2020**



Organised by

**Sant Longowal Institute of Engineering and Technology**

Deemed to be University

(CFTI under MHRD, Government of India)  
Longowal, Sangrur (Punjab) India - 148 106

[www.sliet.ac.in](http://www.sliet.ac.in)

In association with

**National Institute of Technology, Uttarakhand (INDIA)**

[www.nituk.ac.in](http://www.nituk.ac.in)

### About SLIET-I-CON-2020

SLIET-I-CON-2020, a Multi-Track International Conference to be held during February 26-29, 2020 is a prestigious event organized by Sant Longowal Institute of Engineering and Technology (SLIET), Longowal with a motivation to provide an excellent international platform to encourage academic activities to help students as well as teachers to continuously develop their skills to meet the demands of the present society. SLIET-I-CON-2020 will bring together the Academicians, Engineers, Technologists, Delegates from Industry, Researchers, budding Students and Scientists to discuss current trends and future developments in the field of Mechanical Engineering, Electronics & Communication Engineering, Food Engineering & Technology, Chemical Engineering, Computer Science & Engineering, and Electrical & Instrumentation Engineering. Three International Conferences under the umbrella of SLIET-I-CON-2020 will be organised. The Department of Mechanical Engineering is the organizer of International conference on "Advances in Mechanical Engineering (AME- 2020)" under Track-I. An International Conference on "Advances in Soft Computing Techniques (AISCT2020)" (Track II) will be jointly organized by Department of Electrical and Instrumentation Engineering, Computer Science and Engineering, Electronics and Communication Engineering. Department of Chemical Engineering and Department of Food Engineering and Technology will jointly host the International Conference on "Advances in Chemical, Food and Bioprocess Technology (ACFBT-2020)" under Track III.

### About SLIET-I-CON-2020

Sant Longowal Institute of Engineering and Technology (SLIET) is a Centrally Funded Technical Institution (Deemed to be University) set up by MHRD, Government of India, with an aim to achieve technological excellence through innovation. It caters to the technical manpower requirements at various levels by adopting a new concept of modular system in imparting technical education with emphasis on practical training in industry. It offers the Integrated Certificate Diploma (ICD), B.E., M.Tech., M.Sc., MBA and Ph.D. in various disciplines of Science, Management, Engineering and Technology. SLIET shall strive to act as an international podium for the development and transfer of technical competence in academics through formal and non-formal education, entrepreneurship and research to meet the changing needs of society. The institute has a sprawling area of 445 acres of land. The campus of the institute extends a beautiful and well developed lush green area with many topographically featured picturesque landscapes, numerous buildings of various nature and stature and metal road network. The campus presents a spectacle of harmony and natural ecosystem. The institute is situated at the outskirts of Longowal and is around 8 km from Sangrur-Barnala Highway. The Institute is connected by road with Sangrur (18 km), Barnala (25 km), Patiala (75 km), Ludhiana (90 km), Chandigarh (140 km) and Delhi (270 km). The nearest railway stations are Sangrur (18 km), Sunam (16 km) and Dhuri (32 km) and the nearest international airport are Ludhiana (90 km) and Chandigarh (130 km).

### About SLIET-I-CON-2020

Technical sessions will focus on the theme of the three International Conferences under the umbrella of SLIET-I-CON-2020 and the following broad themes will be covered with interaction through plenary sessions, invited lectures, paper presentations and poster sessions. There will be three best paper awards each in oral and poster presentations in each session. Authors are invited to submit their original, unpublished and quality research papers in the areas (but not limited to) of new developments. The following topics, but not limited to are to be covered:

#### Track-I

#### International Conference on "Advances in Mechanical Engineering (AME- 2020)"

- Additive Manufacturing, Reverse Engineering
- CAD, FEM, CFD
- CAM, Mechatronics and robotics
- Agile Manufacturing
- Materials and Processing, Composites

- Joining Processes (Welding)
- Surface Engineering and Coatings
- Advance Casting and Forming
- Machining, Micro/Nano/Non-Conventional Machining
- Design for Manufacturing and Assembly
- Vibration and Condition monitoring
- Modelling, Simulation and optimization Algorithms
- Product Design and Development
- Green Manufacturing and Industry 4.0
- Structure Mechanics, Biomechanics, Nano Technology
- Human Factor Engineering
- Logistics and Supply Chain Management
- Operations Management, Technology Management
- TQM, Six-Sigma and Productivity Enhancement
- Facility Design, Material Management, Waste Management
- Reliability and Maintenance Engineering
- Sustainability in Manufacturing
- Applied Thermal Science
- Electric vehicles
- Non-Conventional Energy
- Environment Management, Energy auditing of Mechanical Systems
- Other Allied Topics

#### Track-II

#### International Conference on "Advances in Soft Computing Techniques (AISCT-2020)"

- Evolutionary Computation
- Expert Systems
- Artificial Intelligence
- Machine Learning
- Pattern Recognition
- Convolutional Neural Networks
- Deep Learning
- Data Analytics
- Swarm Intelligence
- Fuzzy Systems
- Fuzzy Logic Systems
- Neural Networks
- Multi-Agent Systems
- Neural Genetic Systems
- Neural Fuzzy Systems
- Reinforcement Learning
- Statistical Data Analysis
- Complex Systems
- Hardware implementations of these soft computing techniques Applications of soft computing to testing and diagnostics of medical data, business and financial systems, information systems, healthcare systems, intelligent systems, control systems, prediction and forecasting, robotics, reliability analysis, cost-benefit analysis, biomedical & biometric analysis, web and text mining, image and signal processing, grid computing, smart cities and scheduling, wireless sensor networks, bioinformatics, systems biology, solar energy, internet and wireless security, mobile computing, IoT, natural language processing, intelligent transportation etc.

#### Track-III

#### International Conference on "Advances in Chemical, Food and Bioprocess Technology (ACFBT-2020)"

- Biomass Conversion
- Energy and Environment

- Engineering Materials for Chemical Processes
- Innovations in Unit Operations and Processes
- Chemical Reaction Engineering and Thermodynamic Processes
- Polymer Processing and Technology
- Polymer Reaction Engineering
- Paper and pulp Technology
- Process Synthesis, Design and Development
- Chemical and Bio Separation Technology
- Sustainable and Clean Process Technology
- Water and Wastewater Management and Treatment
- Advanced Oxidation Processes
- High pressure and High Temperature Process Technology
- Photo and Electrochemical Engineering
- Membrane Engineering
- Waste Sludge Treatment and Disposal
- Particulate Matter/Solids Processing
- Process Safety Management
- Transport Phenomena
- Coal and Natural Gas
- Petroleum Engineering
- Emerging Food Processing Techniques
- Emerging Techniques for Food Safety and Quality.
- Innovations in Food Process Engineering
- Innovative Food Product Development
- New Perspectives in Food Biotechnology and Fermentation
- Novel Insights in Composition of Foods
- Value Addition of Food Industry Byproducts
- Process Economics and Business Management
- Chemical and Food Engineering Education
- Process Engineering Computations and Optimization
- Process Modeling and Simulation
- Chemical, Food & Bioprocess Instrumentation and Control
- Bioprocess and Biosystems
- Bioprocess Integration and Intensification
- Bioresources Engineering and Technology
- Biofuels and Bioenergy
- Biopharmaceuticals
- Biosensors and Biodevices
- Biochemical and Bio-molecular Engineering
- Bioengineering and Biomedical Engineering
- Biological Treatment of Petroleum Refining Effluent
- Agro and Industrial Bioprocessing

### Sponsorship and Exhibition

SLIET-I-CON-2020 invites government departments, R&D organizations, academic institutions, start-ups, industries, publishers, researchers etc. to sponsor or co-sponsor the event and showcase their products/services in the relevant areas during the conference.

Platinum	: Rs. 5,00,000
Gold	: Rs. 3,00,000
Silver	: Rs. 1,00,000
Bronze	: Rs. 50,000

### Locate us

Sant Longowal Institute of Engineering and Technology, Longowal, Sangrur, Punjab (INDIA) - 148106

Though the weather in SLIET Longowal normally remains pleasant at the end of the month of February but warm clothes may be required.



### VISA Requirements

Overseas delegates who require Indian Visa for participation are requested to contact the organizers in advance for guidance and invitation letter.

For detailed information visit our website or scan QR code  
www.slietcon.org

