LLOYD INSTITUTE OF ENGINEERING & TECHNOLOGY

Empowering Through Skills

FMIC-SMCI-2026

1st Multidisciplinary International Conference

on

Sustainability, Advanced Materials, Manufacturing Technologies, and Computational Intelligent Approaches for Multifunctional Biomedical and Engineering Applications

Hybrid (Online + Offline)

INNOVATING FOR A SUSTAINABLE FUTURE THROUGH SCIENCE & TECHNOLOGY

27TH – 28TH June 2026

Organized by

LLOYD RESEARCH & INCUBATION CENTRE (LRIC)

LLOYD TECHNOLOGY & BUSINESS INCUBATOR FOUNDATION (LTBIF)

START IN UP | LTBIF | INSTITUTION'S INNOVATION COUNCIL | e CELL LIET | DSIR

In Collaboration with

NORXIN INTERNATIONAL SCIENCE & TECHNOLOGY COOPERATION BASE, CHINA

诺兴 NORXIN

Plot No. 3, Knowlege Park II, Greater Noida, Uttar Pradesh

ABOUT - (FMIC-SMCI -2026)

We are delighted to invite you to the “First Multidisciplinary International Conference on Sustainability, Advanced Materials, Manufacturing Technologies, and Computational Intelligent Approaches for Multifunctional Biomedical and Engineering Applications (FMIC-SMCI - 2026)”, scheduled to occur in June 2026. The conference, which is being organized by the Lloyd Technology and Business Incubator Foundation (LTBIF) and the Lloyd Research and Incubation Centre (LRIC) of LIET Greater Noida, will provide a global forum for showcasing and discussing ground-breaking advancements in a variety of scientific and engineering fields. Innovations in lean and agile models, industrial engineering, sustainable manufacturing processes, and the new paradigms of Industry 4.0, Industry 5.0, and smart manufacturing will all be covered, along with developments in materials science and characterization
with an emphasis on sustainable, structural, and non-structural applications in testing and construction. Along with bibliometric research methodologies for production technologies, the conference will also focus on intelligent and computational approaches including machine learning, deep learning, and intelligent systems. The focus will continue to be on sustainability, with sessions covering lifecycle assessment, waste management, and the circular economy while tying technical advancement to the accomplishment of the Sustainable Development Goals (SDGs) of the UN.
In order to create creative, clever, and sustainable solutions for upcoming biomedical and engineering applications, FMIC-SMCI -2026 seeks to bring together top academics, researchers, industry professionals, and policymakers from around the world to promote interdisciplinary collaboration, knowledge exchange, and meaningful dialogue.

AIM AND SCOPE

FMIC-SMCI -2026 is intended to be a leading global platform for showcasing cutting-edge research, game-changing inventions, and game-changing technologies from a variety of scientific and technical fields. The conference aims to promote interdisciplinary discussion, improve cooperation between academia, business, and government, and advance the use of intelligent and integrative methods to address global issues. The goal of FMIC-SMCI -2026 is to bring together various streams of knowledge and innovation, advance scientific understanding, and create intelligent, sustainable solutions for a better future. It welcomes contributions that bridge traditional engineering domains with emerging areas like artificial intelligence, machine learning, data science, robotics, green technologies, smart manufacturing, and sustainable engineering.

By bringing together several fields of study and innovation, FMIC-SMCI -2026 seeks to:

- To create awareness among the Global society of Sustainable Development Goals (SDGs)
- To define the role of an individual in the successful implementation of SDGs
- To develop a framework for the achievement of the SDG goals.
- To connect industry, academia, and governance with the SDGs.
- To discuss and understand the impact of education on the achievement of SDG goals.
- To explain the role of research, innovation and collaboration in the implementation and achievement of SDG goals.

CONFERENCE HIGHLIGHTS

A dynamic platform that combines cutting-edge research, useful inventions, and interdisciplinary collaboration is offered by FMIC-SMCI -2026. Highlights of the conference include:

- Plenary Sessions: Prominent scholars, business executives, and decision-makers from throughout the world will provide keynote remarks.
- Technical Tracks: Data science, artificial intelligence, smart manufacturing, renewable energy, advanced materials, and sustainable technologies are all covered in thematic sessions.
- Seminars & Panels: Engaging seminars and debates with experts on topics like Industry 4.0, IoT, Green Engineering, and the Circular Economy.
- Publications: Selected high-quality articles will be published in reputable conference proceedings in Scopus database publishing digital library or journals with SCI/SCIE/Scopus/ESCI or WoS indexes/ Scopus indexed book series including, Biomaterials Translational Journal by the Shanghai University, Chinese Medical Association, & Chinese Medical Multimedia Press, China; Book Series by the Nova Science Publishers, Inc., USA (Papers Submitted by the Publisher to Scopus Abstracting for Evaluation and Indexation); and Book Series by the IGI Global Publishers, Inc., USA (Papers Submitted by the Publisher to Scopus Abstracting for Evaluation and Indexation).
- nnovation Showcase: A venue for researchers and startups to display state-of-the-art goods, prototypes, and technology.

Young Researcher Forum: Specialized meetings with networking and mentorship opportunities for scholars in their early careers.

- Awards & Honors: Young Innovator, Best Presentation, and Best Paper awards are given out.
- Networking Opportunities: Establish international contacts with researchers, professors, and business leaders.

WHO MUST GO? FMIC-SMCI -2026

A varied community of progressive people and organizations from all over the world is intended to be brought together by the International Conference on Advanced Multidisciplinary Research and Innovation (FMIC-SMCI -2026). This event is perfect for:

- Researchers and Researchers: Professors, postdoctoral fellows, and research researchers working in a variety of interdisciplinary subjects, such as energy systems, sustainability, artificial intelligence, mechanical engineering, and materials science.
- Startups and Entrepreneurs: Creates and innovators seeking to market their goods, connect with financiers, and investigate joint venture possibilities.
- Government representatives and policy makers: Stakeholders influencing laws pertaining to sustainable development, environmental protection, and innovation.
- R&D Institutions and Think Tanks: Establishments that make investments in technological transfer, applied research, and societal effect.
- Graduate and postgraduate students are future leaders and researchers who are keen to learn, share their work, and interact with professionals.
- Journalists and science communicators are members of the media who cover advances in technology and trends in interdisciplinary study.

ANTICIPATED RESULTS

In the fields of engineering, materials science, sustainability, data science, healthcare, and energy, cross-disciplinary information sharing promotes dynamic discussion and results in integrated solutions to pressing problems.

- Collaborative Research & Innovation Networks: Promote collaborations between academic institutions, industry, entrepreneurs, and research institutions to facilitate technology transfer, collaborative initiatives, and financing opportunities.
- Discover the newest developments in artificial intelligence, sustainable technology, smart manufacturing, and advanced materials with our cutting-edge insights and trends.
- Publication Opportunities: Publish a few high-caliber articles in journals or special issues that are indexed by WoS and Scopus to increase academic visibility.
- Provide practical insights to promote evidence-based policies, strategic decision-making, and creative business practices through industry and policy guidance.
- Capacity Building & Skill Development: Give participants the latest techniques, resources, and industry best practices to tackle global issues using interdisciplinary approaches.
- Prizes & Recognition: Honor exceptional contributions to research by presenting innovation showcases, best paper prizes, and student excellence awards.

The conference will witness the participation of distinguished speakers from all over the world in the different disciplines of multi-disciplinary research areas, with keynote speeches from distinguished scientists in advanced topics. All the accepted article after Peer-review will get published in the Biomaterials Translational Journal by the Shanghai University, Chinese Medical Association, & Chinese Medical Multimedia Press, China; Book Series by the Nova Science Publishers, Inc., USA (Papers Submitted by the Publisher to Scopus Abstracting for Evaluation and Indexation); and Book Series by the IGI Global Publishers, Inc., USA (Papers Submitted by the Publisher to Scopus Abstracting for Evaluation and Indexation).

Stay tuned for updates on additional Journals (SCI/SCI-E/SCOPUS/ESCI+SCOPUS/SCOPUS INDEXED CONFERENCE PROCEEDINGS) tie-ins……

KEY THEMES FOR PAPER SUBMISSIONS

Original research and developments on the following subjects, among others, are encouraged from authors:

01 Sustainable, Affordable, & Clean Energy powered by AI

- Renewable and Alternative Energy Sources
- Energy Systems and Decarbonization
- Energy Efficiency and Storage
- Environmental Impacts and Sustainability
- Fossil Fuels and Gas Energy

02 AI for Sustainable Materials and Applications

- Sustainable Materials and Lifecycle Engineering with AI
- Innovative Materials and Applications by Machine learning
- Advanced Processes and Optimization
- Interdisciplinary Research and Simulation

03 AI and Machine Learning in Sustainable Product Development

- Sustainable Product Innovation and Design
- Digital Technologies in New Product Development (NPD)
- Sustainability Evaluation and Supply Chain Integration
- Risk Management and Decision-Making with big data

04 Sustainable Cities and Society

- Sustainable Urban Infrastructure and Energy driven by AI
- Environmental Quality and Climate Resilience with Machine Learning
- Urban Planning and Smart Technologies (big data, AI, and machine learning)
- Sustainable Resource Management & Health

05 AI-driven WASH (Water, Sanitation & Hygiene) solutions

- Sanitation and hygiene practices, water systems powered by AI.
- Behavioral Change and Communication
- Sustainable and Innovative Design Practices
- Technological Innovations and Prototyping

06 AI-driven sustainable manufacturing technologies

- Sustainable and Energy-Efficient Manufacturing
- Sustainable Material Management using big data
- Sustainable Design and Supply Chain Management

07 Good health,well-being, and sustainability through AI & machines.

- Personalized and Preventive Healthcare
- Pharmaceutical Development and Quality Control
- Mental and Environmental Health
- Sustainable Healthcare and Health Equity

08 Advanced Sustainable Remanufacturing with AI

- AI-driven sustainability assessment & design optimization
- Energy and Material Efficiency Optimization
- Remanufacturing, Recycling, and Waste Reduction
- Advanced Manufacturing Process Planning.

09 Sustainable Design & Production

- AI-driven sustainable design strategies and innovation
- Systems Design and Modeling
- Life Cycle Design and Assessment
- Digital and Virtual Design using AI and Machine Learning.

10 AI driven Sustainable Agricultural Innovation

- Smart technology integration: AI, robotics, Sensors, IoT, decision-making tools.
- Production Modeling and Planning
- Soil and Crop Management with AI, Machine Learning, and Big Data.
- Animal and Product Processing

11 Mechanical System Design Analysis and Optimization

- Intelligent diagnostic and predictive maintenance.
- Dynamic and control mechanism of mechanical systems
- Robotics, automation, and Intelligent Mechatronics system.
- Progressive emerging computational mechanism.
- Design for sustainability.
- AI/ML based designer mechanical system.
- Design, analysis, optimization, engineering of automotive aviation and unman aerial vehicle
- Vehicle based design and dynamics.
- Mechanical behavior of materials.6.0.

12 Advanced Computational Approaches

- For optimization, modelling & simulation
- Design and Agile for multifold engineering

13 Advanced Materials Science, Manufacturing Processes, & Characterization Techniques

- Advanced Materials Processing
- Manufacturing Processes (Smart Manufacturing & Industrial Internet of Things (IIoT), AI/Soft Computing in Manufacturing, Green, Lean and Sustainable Manufacturing, Inclusive, Additive, Hybrid Manufacturing, Precision Manufacturing: Micro and Nano.
- Composite Materials (MMCs, HMMC's, Polymer based, Biocomposites, nature inspired materials, Ceramic based etc).
- Nanomaterials and Nanotechnology
- Smart and Functional materials
- Other related Materials Science-based works
- Biomaterials and bio composites
- Advanced Polymers, Composites, and Ceramics
- Destructive and Non-Destructive Testing's/Characterizations of Materials Science

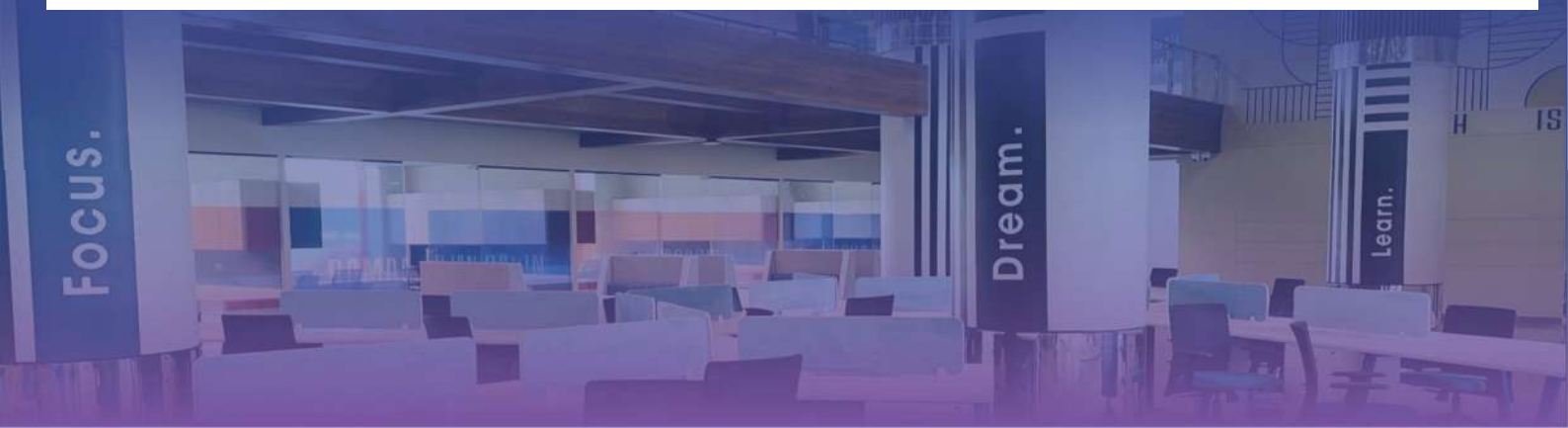
14 Industrial Engineering, Smart manufacturing & Production Technology.

- Industry 4.0. , Industry 5.0., & Industry 6.0.
- AI/ML based manufacturing technology.
- Reliability, maintainability and availability analysis of complex industrial applications using different modeling approaches.
- Logistic management, supply chain management.
- Digital intelligent transformation in manufacturing industry.
- Utilization of soft computing techniques in manufacturing industries.

15 Sustainable Development Goals (SDGs) for Different Engineering Applications.

- Power and Energy Applications.
- Energy efficiency and system optimization.
- AI/ML based renewable and non-renewable energy generation conversion and technologies.
- AI/ML based energy storage, energy conversion and Power Grid Stability.
- Application of hybrid integration of AI/ML
- Smart sensors in power automation in power and energy sectors.
- AI/ML based HVAC systems and cooling solutions.
- AIML based climate change resilience, inbuilt environment and infrastructure.
- Sustainable Energy Policy Frameworks.
- Policy framework for sustainable energy and circular economy transition.
- Policy framework for sustainable waste management and circular economy.
- Policy framework for environmental impact mitigation.
- AIML based sustainable supply chain management.

Note # **All the submitted article must match with the nature and scope of conference theme. While, if the articles are based on multi disciplinary /interdisciplinary applications but with the utilization of computational approaches (AI/ML and their related model or algorithm), can be considered for possible evaluations**



SUBMISSION GUIDELINES

- All papers must be submitted exclusively through Article Submission Link (Mention in the Conference Webpage) or via email to the official conference email ID: fmic.smci2025@gmail.com.
  Submission Window: 10th December 2025 – 26th May 2026.
- Submissions must be entirely original, unpublished, and not under consideration by any other journal or conference at the time of submission.
- All papers must be written exclusively in English and submitted in word/PDF format with continuous line numbering.
- Each author is limited to a maximum of Four (4) papers, regardless of authorship position.
- The conference enforces a strict plagiarism policy. Authors are advised to conduct a plagiarism check using reliable software (e.g.,Turnitin or iThenticate) before submission.
- Each submission will be assigned a unique PAPER ID, which must be quoted in all future correspondence with the conference organizers.
- Authors will be notified of acceptance or rejection via email upon completing the standard peer review process.
- If revisions are required, authors will receive detailed feedback and instructions for resubmission.
- The final camera-ready version of the accepted paper must be submitted by June 10th, 2026 for inclusion in the official proceedings
- Selected/accepted articles will be published in Scopus and web of Science (WOS)-indexed journals or conference proceedings, subject to editorial and peer review standards.
- Each paper should include a title, abstract (max 300 words), keywords, main text, and references.

In Collaboration with

NORXIN INTERNATIONAL SCIENCE AND TECHNOLOGY COOPERATION BASE, CHINA,

Cooperation Base, 128 Changle Road, Xincheng District Xi'an, China

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IMPORTANT DATE

Paper Submission Starts	**10th December 2025**
Paper Submission Closes	**26th May 2026**
Registration Open	**20th December 2025**
Registration Closes	**10th June 2026**
Conference Dates	**27th - 28th June 2026**

Policy for Publications

A stringent screening, peer review, acceptance, and registration process will be applied to every paper submitted to the conference. Publication consideration will only be given to complete papers that are registered, accepted, and presented at the conference.

Following a successful peer review process, a few chosen and presented articles might be suggested for review and publication in:

- Leading digital libraries and the Scopus database both abstract conference proceedings.
- Reputable journals that are listed in Web of Science (WoS), ECSI, Scopus, SCI, and SCIE.
- Reputable book series that are listed in Scopus, SCI, SCIE, and WoS.

Registration Cancellation Policy:
No refund can be provided on cancellation once submitted, paper cannot be withdrawn.

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Registration Fees:

Type of Participant	Early bird Registration Fees (excluding GST @ 18 percent)	Regular Registration Fees (excluding GST @ 18 percent)
• Research Scholars	₹ 8000/-	₹ 9000/-
• Faculty Members	₹ 9000/-	₹ 10000/-
• Industry Participants	₹ 10000/-	₹ 12000/-
• International Participants	$ 250/-	$ 300/-
• International Participants (video conference only)	$ 200/-	$ 200/-
• Delegates/Accompanying Persons	₹ 6000/-	

Mode of Payment – Online

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Account Name - **Lloyd Institute of Engineering & Technology, Branch Greater Noida, Omega 1, U.P. India 201308**

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Paper Submission:

FMIC-SMCI -2026 offers two options for paper submissions and publications at the same registration rate:

1. Full papers are reviewed for presentation at the conference as well as for publication in the Scopus Indexed conference proceedings.
2. Abstracts (only) will be reviewed for presentation at the conference without publishing in the conference proceedings.

ANY QUERIES

PROF. (DR.) SP DWIVEDI
Convener
+91 98992 56044

PROF. (DR.) SHUBHAM SHARMA
Organizing Secretary
+91 70092 39473, +91 94783 95371

Article Submission for FMIC-SMCI 2026 International Conference