

VELLORE INSTITUTE OF TECHNOLOGY (VIT)

Vellore Institute of Technology was founded in 1984 as Vellore Engineering College by the Founder and Chancellor Dr.G.Viswanathan. University status was conferred in 2001 by MHRD Govt. of India in recognition of its excellence in academics, research and extracurricular initiatives.

RANKING & ACCREDITATION

Vellore Institute of Technology (VIT) has emerged as one of the best institutes of India and is aspiring to become a global leader. Quality in teaching-learning, research and innovation makes VIT unique.

- ❖ Engineering and Technology: 142nd in the World and 9th in India (QS World University Rankings by Subject 2025)
- ❖ Four subjects (CS & IT, data science & AI, EEE and material science) were ranked among the top 200 in the world (QS World University Rankings by Subject 2025)
- ❖ 10th best University, 13th best research institution and 11th best engineering institution in India (NIRF Ranking, Govt. of India 2024)
- ❖ 2nd in India and 501 - 600 in the world (Shanghai ARWU ranking 2024)
- ❖ NAAC Accreditation with A++ grade (3.66 out of 4)
- ❖ 396th in the world and 8th in India (QS World University Rankings : Sustainability 2025)

SCHOOL OF MECHANICAL ENGINEERING

The School of Mechanical Engineering is one of the oldest and most prestigious schools of VIT. This school started functioning right from 1984, the year in which our institution began. The School of Mechanical Engineering offers 3 undergraduate and 6 post-graduate programs. The school has a team of highly qualified faculty members, many holding PhDs from elite institutes across the globe, to teach and train this country's best minds. The pride of the school lies in the significant research funding received from several National and International agencies such as DST, DRDO, MNRE, CSIT, CVRDE, CPDD, IE, AR&DB, BRNS, ISRO, UGC, NRB, Royal Academy of Engineering etc. The Department of Science and Technology, Govt. of India has recognized the school for its research activities and supported it in 2003, 2010 and 2022 under the FIST scheme. The school has modern facilities, enabling cutting-edge research in a wide spectrum of niche technological areas. The school is ranked 501-600 in the World as per THE World University Subject Ranking in 2024. Mechanical and Manufacturing Engineering is ranked within the top 10 in India and top 201-250 in the world as per QS World University Rankings by Subject 2024.

ABOUT GCMM

Global Congress on Manufacturing and Management is a non-profit organisation governed by a board with one or two academic and industrial members from each participating country. The current membership spans over twenty-two countries from around the world. Besides providing a forum for leading researchers and industry partners to come together and exchange knowledge and views on global changes in manufacturing and management, GCMM conducts conferences every two years. GCMM has always attracted high-quality research papers and continues to serve as a central hub where the world's knowledge on manufacturing research is fused with industry strategy in a globalised market. Recent events that were held in Thailand (2024), Malaysia (2023), New Zealand (2022), UK (2021), Australia (2018), China (2016), India (2014), New Zealand (2012) and Thailand (2010), were highly successful and attracted delegates from over 25 countries.

CONFERENCE THEME

Papers are encouraged on all topics given under the following domains, but not limited to:

Advanced Manufacturing Engineering

- Advanced manufacturing and design
- Intelligent manufacturing systems
- Digital manufacturing and industrial internet of things (IIoT)
- Automation, robotics, and assembly systems
- Smart manufacturing and intelligent solutions for industry 4.0 and 5.0
- Optimization and decision support system in manufacturing control
- Production planning and scheduling
- Lean manufacturing
- Sustainable and circular manufacturing
- Logistics and supply chain management
- Cleaner Production

Advanced Machining

- Sustainable machining
- Advanced machining system
- Non-traditional machining
- Cutting tool engineering and management
- Advanced abrasive technology
- Water jet technology machining
- CAD/CAM/CAE
- Modeling and simulation
- Laser machining technology

Advanced Material and Forming

- Additive manufacturing
- Advanced processing engineering
- Material science and engineering
- Material processing and technology
- Surface coating technology
- Lightweight material
- Biomaterials and tissue engineering
- Biomanufacturing & Biomechanics
- Geopolymer materials

Automation, Computer and Control

- AI in NDT and inspection
- Monitoring Systems and Sensors
- IoT communication
- Big data analytics
- Cybersecurity
- Intelligent control of production systems
- Image Processing: Manufacturing Applications
- Artificial Intelligence, Machine learning and deep learning
- EV and battery management

Intelligent and Autonomous Robotics

- Mechatronics engineering and design
- Autonomous mobile robot (AMR)/ Automatic guided vehicle (AGV)
- Industrial robots & Co-bots
- Digital twin technology
- Cyber-physical systems (CPS)
- Robotic operation system (ROS)
- Fuzzy logic, artificial neural networks (ANN), genetic algorithms (GA)



VIT[®]

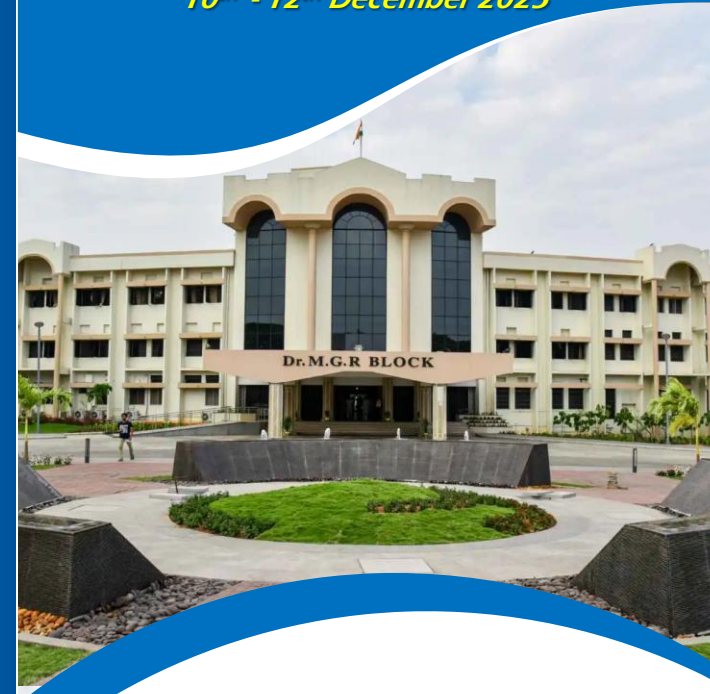
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

GCMM - 2025

19th Global Congress on Manufacturing and Management

Artificial Intelligence and Sustainable Manufacturing for Global Economy

10th - 12th December 2025



Jointly Organized by

Vellore Institute of Technology, Vellore, India
University of Southern Queensland, Australia
Liverpool John Moores University, United Kingdom
Coventry University, United Kingdom
Wroclaw University of Science and Technology, Poland
University of Minho, Portugal
Rajamangala University of Technology Krungthep, Thailand

IMPORTANT DATES

Abstract Submission Link opens on
Manuscript Submission Link opens on
Conference Registration Begins
Registration Closes on
Conference Dates

: 30th April 2025
: 4th June 2025
: 1st October 2025
: 5th November 2025
: 10th to 12th December 2025

The Conference Registration Fee Payment Link (Online) will be shared with the authors/delegates as per the schedule. No other mode of payment is acceptable. Spot Registration is not permitted.

JOURNAL PUBLICATION

To be confirmed shortly

SPONSORSHIP ADVERTISEMENT AND EXHIBITION COST

An exhibition would be Organised to display industrial products in the area of interest and a souvenir will be released.

Exhibition Booth ₹ 40,000/- each.

Advertisement in Conference Souvenir:

Outside Back Cover (Colour) : INR ₹ 75,000/-
Full Page (Colour) : INR ₹ 30,000/-
Inside Front Cover (Colour) : INR ₹ 50,000/-
Half Page (Colour) : INR ₹ 20,000/-
Inside Back Cover (Colour) : INR ₹ 50,000/-

The host sponsors will be represented on the dais during the inaugural session of the conference. Other Sponsors will be appropriately acknowledged at all platforms.

CHIEF PATRON

Dr. G. Viswanathan, Chancellor

PATRONS

Mr. Sankar Viswanathan, Vice - President

Dr. Sekar Viswanathan, Vice - President

Dr. G V Selvam, Vice - President

Dr. Sandhya Pentareddy, Executive Director

Ms. Kadhambari S Viswanathan, Assistant Vice - President

Dr. V.S.Kanchana Bhaaskaran, Vice Chancellor

Dr. Partha Sharathi Mallick, Pro-Vice Chancellor

Dr. Jayabarathi T, Registrar

CONVENOR

Dr. P. Kuppan, Dean-SMEC, VIT, Vellore, India

Co-CONVENOR

Dr. Nandhagopal K, Associate Dean-SMEC, VIT, Vellore, India

CONFERENCE CHAIR

Prof. M. Anthony Xavier, VIT, Vellore, India

CONFERENCE Co-CHAIRS

Prof. Prasad KDV Yarlagadda, University of Southern Queensland, Australia
Prof. Andre D L Batako, LJMU, UK
Dr. Arivazhagan Anbalagan, CU, UK
Prof. Jose Machado, UM, Portugal
Prof. Suthep Butdee, RMUTK, Thailand
Prof. Anna Burduk, WUST, Poland

ADVISORY COMMITTEE

Prof. Manikandan M, HDD, DDA, SMEC, VT
Prof. Pandivelan C, HDD, DME, SMEC, VT, Vellore
Prof. GovindhaRasu N, HDD, DAE, SMEC, VT, Vellore
Prof. Jose S, HDD, DTEE, SMEC, VT, Vellore

ORGANIZING SECRETARIES

Prof. Jeyapandiarajan P, SMEC, VT, Vellore, India
Prof. Joel J, SMEC, VIT, Vellore, India

GCMM BOARD

President

Dr. G. Viswanathan, Founder & Chancellor, VIT, India

Secretary

Prof. Prasad KDV Yarlagadda, USQ, Australia

Members

Prof. Ayo Olafinjana, USC, Australia
Dr. C. Brito, President, CRES, Brazil
Dr. H. El Maraghy, University of Windsor, Canada
Prof. Yongming Zhu, Zhengzhou University, China
Prof. David Wang, IAASET
Dr. Shouqin Zhou, CIMC Co. LTD
Dr. H. Elwany, Alexandria University, Egypt
Prof. S. Tichkewitch, Dordrecht University, France
Prof. K. H. Adjallah, ENIM, Loraine University
Prof. Ing. P. Gömpel, Fachhochschule Konstanz, Germany
Prof. Géza Husi, Dean, University of Debrecen, Hungary
Prof. Krishnanand Lanka, NIT, India
Dr. Ravichandran, CEO, Lucas TVS, India
Mr. L. Gopalakrishnan, PSG & Sons Charities
Prof. Y. T. Im, KAIST, South Korea
Prof. Ill-Soo Kim, Mokpo National University
Prof. Walter CK Wong, Berjaya University, Malaysia
Prof. C. Acosta, Universidaddelas America-Pueba, Mexico
Dr. E. De Bruijn, University of Twente, Netherlands
Dr. Sarat Singamneni, AUT, New Zealand
Prof. Mark P. Taylor, University of Auckland, NZ
Prof. Wójc Arkadiusz, WUST, Poland
Prof. Leszek A Dobrzanski, ASKLEPIOS, Gliwice.
Prof. Anna Burduk, WUST, Poland
Prof. Korneliusz Pylak, UJ, Poland
Prof. Katarzyna Antosz, RUT, Poland
Prof. Justyna Trojanowska, PUT, Poland
Prof. Seeram Ramakrishna, NUS, Singapore

Prof. Janez Kopac, University of Ljubljana, Slovenia
Dr. E. Tovar, Universidad Politecnica de Madrid, Spain
Dr. T. Scheiker, Swiss College of Agriculture, Switzerland
Dr. Suthep Butdee, RMUT, Thailand
Dr. Batako D. L. Andre, LJMU, UK
Prof. K. S. Taraman, LTU, USA
Prof. Lal Tummala, SDSU, San Diego

TECHNICAL COMMITTEE

Dr. Li Jinhui, HUST, China
Dr. Xue Chao-Gai, Zhengzhou University, China
Dr. Cao Hai-Wang, Zhengzhou University, China
Dr. Jeffrey Cai Yan-Ling, Zhengzhou University, China
Dr. J. Paulo Davim, University of Aveiro, Portugal
Dr. Michele LANZETTA, University of Pisa, Italy
Shri. Shaju Saleem, Bekeart Slatina SRL, Romania
Dr. Daniel Medyński, WCSU, Poland
Dr. Magdalena Dąbrowska, WCSU, Poland
Dr. Joanna Helman, WUST, Poland
Dr. Joanna Kochańska, WUST, Poland
Dr. Fethma M Nor, Universiti Teknologi Brunei, Brunei
Dr. Almusawi Husam Abdulkareem, UD, Hungary
Dr. P. Ashwath, Coventry University, UK
Dr. N. Sasidharan, Wayland Additive Ltd., UK
Dr. Jun Ren, Liverpool John Moores University, UK
Dr. Ariayan Ashkanfar, Liverpool John Moores University
Dr. Tahsin Opoz, Liverpool John Moores University, UK
Dr. Xiaoxia Liu, Liverpool John Moores University, UK
Prof. Arnaud Duchosal, University of Tours, France
Dr. Phatchani Srikkhumal, RUT, Thailand
Dr. P. K. Jain, ARCI, India
Mr. M. Ramalingam, IFB Automotive Ltd, India
Shri. Ananthakumar R, Sterite Power Transmission Ltd., India
Shri. Thiyagarajan M, John Deere, India
Dr. J. Ramkumar, IIT Kanpur, India
Dr. A. Elaya Perumal, Anna University, India
Dr. T.P.D. RAJAN, CSIR-NIIST, India
Dr. Hari Singh, NIT Kurukshetra, India
Dr. S.R. Devadasan, PSG College of Technology, India
Dr. K. Mahadevan, Pudukkottai Technological University
Dr. H.G. Prashantha Kumar, ODU, Bangalore, India
Dr. P. Ramkumar, IIT Madras, India
Dr. Geetha Manivasagam, VIT, Vellore, TN, India
Dr. N. Arivazhagan, VIT, Vellore, India
Dr. C. D. Najju, VIT, Vellore, India
Dr. Vasudevan R, VIT, Vellore, India
Dr. Denis Ashok, VIT, Vellore, India
Dr. Arun Tom Mathew, VIT, Vellore, India
Dr. Raja Annamalai, VIT, Vellore, India
Dr. Arivarasu M, VIT, Vellore, India
Dr. Mallikarjuna Reddy, VIT, Vellore, TN, India
Dr. Benedict Thomas, VIT, Vellore, India
Dr. SenthilKumaran S, VIT, Vellore, TN, India
Dr. Jayakrishna K, VIT, Vellore, India



VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

GCMM - 2025

Global Congress on Manufacturing and Management

Artificial Intelligence and Sustainable Manufacturing for Global Economy

10th - 12th December 2025

REGISTRATION FORM

Name : _____

Title : _____

Affiliation : _____

Mailing Address : _____

_____ Pin : _____

Mobile No: _____

Email ID : _____

a) I would like to participate in the conference

with a paper without a paper

with accompanying person

b) I would like to take accommodation in

Hotels in Vellore VIT Hostels

All correspondence should be addressed to

Prof. M. Anthony Xavier,

Organising Chair, GCMM-2025

School of Mechanical Engineering, VIT, Vellore - 632014, Tamilnadu, INDIA.

Mobile : +91 94436 87391

Email : gcmm@vit.ac.in

For more details

Prof. Jeyapandiarajan P,

Organizing Secretary, GCMM-2025

School of Mechanical Engineering, VIT, Vellore - 632014, Tamilnadu, INDIA.

Mobile : +91 88707 56512

Email : gcmm@vit.ac.in

Website : https://gcmm.in/