

IATMSI-2024

IEEE International conference on Interdisciplinary Approaches in Technology and Management for Social Innovation

14-16 March | Gwalior | India
(Hybrid Conference)

Theme: Enabling the Change! Social Innovation for Sustainable Societies.

The 2nd IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2024), is an International conference that will be organized by the Department of Electrical and Electronics Engineering, ABV-IIITM Gwalior, India under the banner of the IEEE MP section and ABV-IIITM IEEE Student Branch. It is an annual conference with participation from length & breadth of the country. The city of stunning natural beauty and rich cultural heritage, Gwalior will be the venue for the IATMSI-2024. Themed, "Enabling the Change! Social Innovation for Sustainable Societies," this flagship conference will feature a comprehensive high-quality interdisciplinary area in technology and management with a variety of research themes inclusive of paper presentation, poster sessions, industry exhibits, experts talks, tutorials by eminent speakers and exhibition. As many other events, the IATMSI-2024 conference will be held in a hybrid mode at ABV-IIITM Gwalior.

Prospective authors are invited to submit their papers in the following tracks. The scope of the conference includes but not limited to the following broad areas:

Track 1: Innovative Solutions for Healthcare

Biomedical Instrumentation and Sensors; Bioengineering; Bioinformatics; Infection Biology; Environmental Biotechnology; IoT and Soft Computing Applications in Healthcare; Healthcare Mobile and Web Applications & Telemedicine; Healthcare Management and Optimization; Accelerating Healthcare with Data and AI to Meet COVID-19 Challenges; Ethics, Privacy, and Security in Healthcare; AI, Blockchain and Cloud computing in Healthcare; Technology and Digital Health.

"Flagship Conference of ABV-IIITM Gwalior"

CALL FOR PAPERS

Track 2: Power, Control, Energy & Intelligent Transportation Technologies

Intelligent Transportation; Control Communication & Automation Enabled Technologies; Internet of Vehicles; Mechatronics and Robotics Technologies; Blockchain; Inter-Vehicle Wireless Communications Technologies; Electric and Hybrid-Electric Vehicles; Power Systems and Smart Grids; Nano-Fluids Dynamics for Industrial Applications; Renewable and Sustainable Energy Solutions; Smart Grid; Electric Vehicle; Battery Management System; Grid integration with RES; Electric actuators; Servo drives and IoT interfaces; Machine Vibration & Condition Monitoring; Signal Processing for Machine Health Monitoring and RFID 3D Scanning.

Track 3: Artificial Intelligence (AI), IOT & Computer Vision Enabled Technologies

Image Processing and Computational Intelligence in Agriculture; Biotechnology Solutions for Sustainable Agriculture; Applications of Image and Video Processing for Industrial Applications; Machine Learning & AI Approaches to Manufacturing Applications; IoT based Technologies; High-Performance Computing; Cloud Computing; Data Privacy and Protection; Cyber security; Surveillance and Fraud Detection; Convergence of AI and IoT; Applications of AR/VR for Customer Engagement; Application of AI & ML in management.

Track 4: Green Electronics, VLSI, Communication and Sensor Based Technologies

Wireless Sensor Networks, Advances in Sensor Technology; Nanotechnology and Sensor Based Solutions for Environment-Friendly Agriculture; Green Technology and Rural Environmental Concerns; Technology in Agriculture for Sustainable Development; Hybrid Systems; Optical & Wireless Communications; Technologies for 5G and beyond Communication; Antenna Design; VLSI Design, Embedded System and Emerging Technologies for the Social Change; IC Design and Testing, Green Electronics & Sustainable Technologies; Communication Technologies and Networks; Digital Manufacturing; Signal and Image Processing; LORA Functioning in Industrial Environment; Mobile HMI for Electronic Product; Nanotechnology Based Human Centered Designs.

Track 5: IT Enabled Management for Social Change

Entrepreneurship, Innovation, with Information Technology; Technological Forecasting and Social Change; Technology Roadmaps for Transition Management; IT Enabled Marketing; Big Data Analytics; Business Analytics; Sustainable Manufacturing through IT Enabled Technologies; Consumer Technology; Paradigm Shift in Human Resource Practices through the use of Digital Technologies; Health Care Management for Healthy Society. Technology Enabled Financial Management.

Important Dates

Submission Due Date: ~~15th Nov. 2023~~ **15th Dec. 2023**
Camera-ready Paper Due: **31st Dec. 2023**
Early-Bird Registration Closes: **31st Dec. 2023**

Notification of Acceptance: **20th Dec. 2023**
Registration Open: **15th Nov. 2023**
Last Date of Author's Registration: **1st March 2024**

Tutorials

IATMSI offers full one day tutorials with Hands-on-experience/Workshops on state of the art topics including latest advances on VLSI Devices, Machine Learning, IoT, transportation system and smart organic farming by eminent speakers. More details are updated on the conference website.

Awards/Grants

Awards in form of cash/gift and certificates will be given to the best papers selected from each track. Registration grants and Travel grants will be announced for this conference. More details are given on website.

Conference Committees

Patron :

Prof. S. N. Singh, Director, ABV-IIITM Gwalior, India

General Chairs :

Prof. G. S. Tomar, Chair, IEEE MP Section, India

Prof. Fushuan Wen, Zhejiang University, China

Conference Chair :

Dr. Somesh Kumar, ABV-IIITM Gwalior, India

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Dr. Biswabandhu Jana, ABV-IIITM Gwalior, India

Dr. Praveen Singya, ABV-IIITM Gwalior, India

Other core committees chairs and members details can be found at the conference website.

Venue:

ABV-Indian Institute of Information Technology & Management (IIITM)
Gwalior, Madhya Pradesh-474015

Paper Submission

The Conference will include Keynote Talks (invited talks by distinguished experts) and Contributory Talks (by authors of selected papers) on the topics of the conference. Authors are invited to submit the full paper (Maximum 6 pages, double- column A4) as PDF using the IEEE template. The paper must clearly indicate the research area, main results and contributions. Submitted articles should be in PDF format and uploaded online through the EasyChair submission platform. Link of paper submission is given on website. Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements. Please check the IATMSI-2024 website for latest updates.

Paper Submission Link

Submit your paper on easychair at:

<https://easychair.org/conferences/?conf=ieeeiatmsi2024>

Call for Exhibition / Sponsorships

Detailed exhibition and sponsorship opportunities are available on the conference website. For enquiries related to sponsorship and exhibition, please e-mail at:

sponsorship_iatmsi@iiitm.ac.in

Early-Bird Registration Charges*

		IEEE Member	Non-IEEE Members
Student	Indian Author	6000₹	7000₹
Student	International Author	130\$	150\$
Professional	Indian Author	7200₹	8200₹
Professional	International Author	160\$	180\$

*An additional amount of 20% will be added after the early bird registration closing date. More details about the fees is given on webpage.



Further Information:

<https://iatmsi.iiitm.ac.in>

Queries about the conference can be addressed to: iatmsi@iiitm.ac.in



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