

The 5th IEEE International Conference on Human-Machine Systems ICHMS 2025



Call for Papers

26-28 May 2025, Abu Dhabi, UAE
<https://ieee-ichms.org/2025/>
Marriott Downtown Abu Dhabi

The theme of the 5th ICHMS is *AI and Large Language Models: Transforming Human-Machine Interactions*. The organization of ICHMS will include Regular Sessions, Special Sessions and sessions focused on PhD student research. Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements.

Selected papers accepted at ICHMS 2025 will have the privileged opportunity to submit an extended version to a dedicated Special Issue of the esteemed IEEE Transactions on Human-Machine Systems (THMS).

List of Topics:

- Advancements in LLMs
- AI Integration in Human-Machine Systems
- AI in Robotics and Automation
- Future Trends and Emerging Technologies in Human-Machine Interactions
- Augmented Cognition
- Authority/Control Transfer
- Brain-Inspired Autonomous Systems
- Brain-Machine Interfaces
- Decision-Support and Recommender Systems
- Ethical Aspects of Human-AI Symbiotic Systems
- Human-Computer Interaction
- Human-Autonomy Cooperation and Teaming
- Human Performance Modeling
- Human-Machine/Robot Interaction
- Intelligent Adaptive Systems
- Resilience Engineering in Human-AI Symbiotic Systems
- Team Performance and Training Systems
- Trust Modeling, Measurement, and Management
- Virtual and Mixed Reality Systems
- Wearable Sensors
- Web-based Interactive Systems
- Autonomous Technologies and Cyber-Physical Systems

Organized by:



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Important Dates

- * Paper submission for all session types: **November 15, 2024**
- * Paper acceptance notification: **February 15, 2025**
- * Final camera-ready paper submission: **April 15, 2025**
- * Deadline for early-bird registration: **March 15, 2025**

For more information, visit:

<https://ieee.ichms.org/2025/>