

# Call for Paper: IEEE ICHMS 2026 Special Session

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 Call for Papers | IEEE ICHMS 2026 Special Session @ NTU Singapore

**Session:** Urban Air Mobility (UAM): Integrating Autonomous Aerial Vehicles into Existing Human Infrastructure

This special session brings together researchers and practitioners to examine the safe, efficient, and ethical integration of autonomous aerial vehicles (AAVs) into urban environments. The session addresses the technical, regulatory, and societal challenges of aerial autonomy, with a specific focus on human-machine interaction, safety, public acceptance, and governance. By highlighting lessons learned, emerging approaches, and open problems, the session aims to foster collaboration among academia, industry, and policy stakeholders and to identify actionable directions that advance the safe, equitable, and sustainable adoption of UAM technologies.

## Topics of Interest

Submissions are invited on (but not limited to) the following areas:

- System-level design and architectures for urban low-altitude airspace and mobility corridors
- Human-machine interaction and collaboration in aerial systems
- Safety, reliability, and performance evaluation for urban air mobility (UAM) operations
- Governance, regulation, and public acceptance of aerial autonomy
- Assessment, simulation, or real-world deployment of urban aerial mobility systems
- Cross-disciplinary studies linking engineering, human factors, aerial mobility infrastructure, policy and social impact

## Submission Details

Interested contributors are invited to submit via:

- *Submission Deadline* -- 31 January 2026
- *Conference Dates* -- 1–3 July 2026
- *Session Code* -- 3ngs4
- *Submission Link* -- <https://conf.papercept.net/conferences/scripts/start.pl>
- *Review Process* -- All papers undergo standard peer review in accordance with IEEE ICHMS standards; accepted papers will appear in the 2026 Conference Proceedings.

## Contact

For inquiries, please contact the organizers:

- Dr. Josue N. Rivera, Nanyang Technological University – (josue.rivera@ntu.edu.sg)
- Dr. Lyu Chen, Nanyang Technological University – (lyuchen@ntu.edu.sg)

## **IEEE ICHMS 2026**

The IEEE International Conference on Human–Machine Systems (ICHMS) provides a premier platform for exploring the integration of humans, machines, and intelligent autonomous systems under the theme “Beyond Interaction: Integrating Humans, Machines, and Intelligent Autonomous Systems.”

You can find additional details on the conference at <https://www.ieeesmc.org/ichms-2026/>.