

AICAP 2027

Aviation Innovation Conference for the Asia Pacific January 27-29, 2027, NTU, Singapore

Organizing Committee

General chair:

Sameer Alam, *NTU, Singapore*

General Co-Chair:

Kam Hung Ng, *PolyU, Hong Kong, China*

Program Chair:

Pham Duc Thinh, *NTU, Singapore / VinUni, Vietnam*

Program Co-Chair:

YanJun Wang, *NUAA, China*

Ugur Turhan, *UNSW, Australia*

Publication Chair:

Yutong Chen, *PolyU, Hong Kong, China*

Publication Co-Chair:

Gokhan Inalhan, *IEEE AES Society*

Xiaoqian Sun, *Beihang University, China*

Local Organizing Chair:

Zhi Jun Lim, *NTU, Singapore*

Local Organizing Co-Chairs:

Imen Dhief, *NTU, Singapore*

Yicheng Zhang, *A*STAR, Singapore*

Communications Chair:

Bizhao Pang, *NTU, Singapore*

Communications Co-Chairs:

Sim Kuan Goh, *XMUM, Malaysia*

Yash Guleria, *IIT Mandi, India*

Yoonjin Yoon, *KAIST, Republic of Korea*

Sponsorship & Exposition Chair:

Gregoire Arthur KY, *NTU, Singapore*

Sponsorship & Exposition Co-Chair:

Eri Itoh, *UTokyo, Japan*

Outreach Chair:

Blair Cowles, *ICAI, Singapore*

Best Paper and Award Chair:

Yan Xu, *Beihang University, China*

Best Paper and Award Co-Chair:

Supatcha Chaimatanan, *KU, Thailand*

Join us at the **Aviation Innovation Conference for the Asia-Pacific (AICAP 2027)**, a premier forum for researchers, industry leaders, and policymakers to present and discuss cutting-edge developments shaping the future of aviation in the Asia Pacific.

The **first edition of AICAP** will be held in **Singapore** and will bring together the region's diverse aviation ecosystem to address emerging challenges and opportunities across air traffic management, artificial intelligence, sustainability, and integrated airspace operations. The conference features peer-reviewed technical sessions, industry showcases, and strategic dialogues, providing a unique platform to bridge research and practice while advancing innovation tailored to the Asia-Pacific context.

Themes And Topics

Authors are invited to submit their original research focused on innovative concepts, technologies, and applications in aviation. Contributions addressing emerging challenges and opportunities in the Asia-Pacific context are particularly encouraged. Topics of interest include, but are not limited to:

1. Collaborative, Connected, and Interoperable Aviation Operations
2. Intelligent Air Traffic Management and Flight Operations
3. Airport, Airline, Air Cargo and Ground Operations
4. UAV, Advanced Air Mobility, and UTM/ATM Integration
5. AI/ML, Automation, Human Factors, and Digital Twins in Aviation
6. Safety, Resilience, and Security for Digital Aviation Ecosystems
7. Policy, Sustainability, Weather, and Climate-Resilient Aviation
8. Future Aviation Systems and Transformative Innovations

Important Dates

- Submission deadline for papers: **15th Oct 2026**
- Notification of acceptance: **1st Dec 2026**
- Camera ready submission deadline: **15th Dec 2026**
- Registration deadline: **5th Jan 2027**
- **Conference dates: 27th – 29th Jan 2027**

For more details and updates about the conference, please visit the conference website: event.ntu.edu.sg/AICAP-2027



Aviation Innovation Conference for Asia-Pacific (AICAP)

