**International Conference on Aerial Access and Applications (AAA)**

Date: August 6-8, 2025

Location: Hanoi, Vietnam

Host venue: Vietnam National University of Agriculture (VNUA)

Organizers: Vietnam National University of Agriculture (VNUA), Hanoi University of Mining and Geology (HUMG), Ho Chi Minh City University of Technology (HCMUT)

Patrons: Sejong University (SJU), Chung-Ang University (CAU)

**Introduction**

In the context of 6G, aerial access will play a vital role across many industries, as the next-generation wireless technology promises seamless connectivity between airborne platforms like drones and satellites, and ground networks. With its ultra-low latency, vast bandwidth, and improved data transmission capabilities, 6G is expected to make aerial platforms essential for smart infrastructure, urban development, and environmental management. For example, cellular drones could deliver real-time, high-resolution imaging and data for applications such as precision agriculture, autonomous delivery, and disaster relief. In industries like mining, construction, and oil exploration, aerial devices could allow for more precise, real-time monitoring and control of operations, even in the most remote areas. Furthermore, aerial access is considered a key component in expanding Internet of Things (IoT) networks, supporting large ecosystems of connected devices in smart cities, self-driving vehicles, and environmental monitoring. This cutting-edge technology will transform how industries interact with physical spaces and the environment, ushering in a new era of connectivity and efficiency.

In this regard, the First International Conference on Aerial Access and Applications (AAA) will be held in the dynamic and culturally vibrant city of Hanoi, Vietnam, from August 8-10, 2025, to gather scholars who address the current state of technology and the outcome of ongoing research in the fields. AAA 2025 is organized by Vietnam National University of Agriculture (VNUA), Hanoi University of Mining and Geology (HUMG) and Ho Chi Minh City University of Technology (HCMUT). Accepted and presented papers will be submitted for possibly published by Springer in series Lecture Notes in Networks and Systems (LNNS), indexed by SCOPUS.

**Topic**

Potential topics in this conference include, but are not limited to:

**Track 1: Aerial Hardware and Measurement**

1. Advancements in Aerial Sensors
2. Flying Device Design and Optimization
3. Embedded Systems and Aerial IoT
4. AI Chip Architecture and Design for Drones
5. Unmanned Aerial Systems and Autonomous Drones

**Track 2: Aerial Services and Applications**

1. Aerial Multimedia Processing and Applications
2. Drone-Aided Smart and Precision Agriculture
3. Disaster Management and Humanitarian Applications
4. Aerial Logistics and Supply Chains
5. Urban Air Mobility and Flying Taxis

**Track 3: Aerial Communication and Networking**

1. 5G and 6G Integration with Aerial Systems
2. Drone Swarm Formation and Navigation
3. Aerial Edge Cloud Computing
4. Hierarchical Aerial Network
5. Network Programming, Control, and Management

**Track 4: Service Quality Management**

1. Network and Service Monitoring
2. Quality Assurance for Aerial Services and Applications
3. User Experience Metrics
4. Performance and Reliability Management
5. Feedback Mechanisms for Improvement

**Track 5: Security and Privacy Assurance**

1. User Data Protection
2. Authentication and Access Control
3. Mitigating Cyberattack Risks
4. Privacy Concerns in Aerial Data Collection
5. Regulatory and Compliance Issues

**Track 6: Intelligent remote sensing**

1. Autonomous UAV and GIS
2. Drone-created digital twin and big earth data analytics
3. Intelligent Processing, Mining and Application of Remote Sensing Information
4. AI-Driven Mapping Using Remote Sensing Data
5. Advances in Satellite Image Processing and Classification

**Best paper awards**

The “Best Paper Awards” will be given to the studies which are selected by the TPC committee chairs among the presented papers.

**Submission**

All accepted papers will be submitted to possibly published in Springer series “Lecture Notes in Networks and Systems (LNNS)” indexed in Scopus. The manuscripts must be formatted according to the templates provided by Springer and submitted in a single PDF. The length of a manuscript should be between 10 to 15 pages.

Authors are invited to submit their manuscripts electronically as PDF files through EquinOCS platform. The direct link for paper submission will be announced soon on the conference website.

**Important date**

* Submission deadline: March 01, 2025
* Acceptance notification: June 01, 2025
* Camera-ready paper: June 10, 2025
* Registration and payment: June 10, 2025
* Conference date: August 6-8, 2025

**Registration**

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| --- | --- | --- | --- | --- |
|  | Online Conference | | On-site Conference | |
| Early registration (before June 20) | Late registration  (after June 20) | Early registration  (before June 20) | Late registration  (after June 20) |
| Regular author | 100$ | 130$ | 250$ | 300$ |
| Listener | 50$ | 80$ | 150$ | 200$ |
| Student | 30$ | 50$ | 120$ | 150$ |
| Additional paper | 50$ | 80$ | 50$ | 80$ |

* Onsite Conference Registration Fee covers (1) access to conference sessions, (2) conference materials, and (3) coffee breaks and lunch.
* Online Conference Registration Fee covers access to conference sessions via online platforms.
* At least one author of every accepted paper must register before June 10 as a regular author

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