

Call for Paper
The Future of Agriculture and Advanced Photonics(FAAP) 2025

Conference

April 22-25, 2025, Pacifico Yokohama, Yokohama, Japan

Objectives

The new conference "FAAP2025 (Future of Agriculture and Advanced Photonics)" which aims at the fusion of science and technology for sustainable food production, will hold a joint session with LSSE2025.

FAAP2025 conference aims to focus on advancements in optical technology in agriculture and its integration with other scientific and technological fields. It will provide a platform to discuss research and development while considering the environment and conditions surrounding agriculture. Additionally, the conference will promote international information exchange on the digitization and utilization of agriculture through optical technology and digital twin technology, with an emphasis on the digital transformation (DX) of agriculture.

The main objectives of this conference are:

1. **Sharing Advances and Applications of Optical Technology:** Presenting the latest research findings and practical applications of optical technology in agriculture.
2. **Promoting the Integration of Science and Technology:** Exploring new agricultural models by integrating cutting-edge technologies such as biotechnology, robotics, IT, and AI.
3. **Advancing Sustainable Agriculture:** Highlighting sustainable agricultural technologies that enhance productivity while considering environmental impacts.
4. **International Information Exchange:** Facilitating information exchange and networking among researchers and experts worldwide to explore the future of agriculture from a global perspective.

We look forward to welcoming you to join us as we explore together the future of the Fusion of Science and Technology for Sustainable Food Production.

FAAP2025 is collaborated with OPIC2025¹⁾ (Optics & Photonics international Congress 2025). OPIC is the largest conference in OPTICS and PHOTONICS in Japan with more than 10 conferences in addition to FAAP. You can also participate in OPIC2025 by

participating in FAAP2025.

Topics (Scope of FAAP2025)

Advances and Applications of Optical Technology:

- laser technology in agriculture.
- Sensing technology for agriculture
- Plant factory with artificial light

Integration of Science and Technology

- Biotechnology,
- Robotics, Drones
- IT, and AI
- Digital transformation (DX)

Advancing Sustainable Agriculture

- Smart agriculture
- Photosynthesis
- Eco-Friendly Technology
- Satellite-based Sensing technology

And more...

Official Language

English

Important dates

- Submission Site Open, 16 October 2024
- Submission Deadline 18 December 2024
- Registration Site Open, 19 January 2025
- Program Site Open, 3 February 2025
- Early Bird Registration, 7 April 2025

1) OPIC2025, <https://opicon.jp/>