

## Call for Papers

# 2024 Joint Conference on Satellite Communications (JC-SAT 2024)

December 5-6, 2024

On/Off-line, nest HOTEL sapporoekimae, Sapporo, Japan

### Objective

This conference intends to provide a forum for researchers in satellite communications and applications field to discuss the current status, technical challenges, standards, fundamental issues and future services.

### Scope

This conference will cover technologies and system implementations of satellite communications, non-terrestrial networks, and related applications such as 5G/6G, broadcasting, IoT, GNSS and so on.

Topics of interest include but are not limited to the following subject categories:

- ◆ Satellite communications (fixed satellite communications, mobile satellite communications, inter satellite communications, deep space communications, etc.)
- ◆ Non-terrestrial networks (GEO, MEO, LEO, HAPS, etc.)
- ◆ Satellite broadcasting
- ◆ Satellite optical communication technologies
- ◆ Key policy and regulatory issues
- ◆ Advanced communication systems and technologies
- ◆ Network control and management
- ◆ Satellite bus technologies including propulsion, attitude Control, navigation, power, and mechanical subsystems
- ◆ Orbital mechanics
- ◆ Satellite navigation system and its applications
- ◆ Integrated satellite and terrestrial network architectures
- ◆ Communication and broadcasting converged services
- ◆ Satellite Internet of Things (IoT)
- ◆ Satellite imagery processing and applications
- ◆ Broadband service applications
- ◆ Space application and services
- ◆ Ground station and onboard equipment technologies
- ◆ Satellite 5G / 6G integration
- ◆ PPDR (Public Protection and Disaster Relief)
- ◆ Mission analysis and design
- ◆ Small satellite constellation and related applications
- ◆ Satellite payload technologies including remote sensing, various sensors, hardware, materials, software, etc

### Instructions for Authors

Prospective authors are cordially requested to submit a 100-words abstract with the title of the paper, affiliation, and contact information of mailing address, telephone/facsimile numbers, and e-mail address through the Conference Registration System by October 4~~st~~ 4th, 2024. The access URL of the Conference Registration is shown as follows:

- For the papers from IEICE, Japan (Copyright shall be attributed to IEICE) and other countries except Korea  
URL: <http://www.ieice.org/ken/program/index.php?instsoc=IEICE-B&tqid=IEICE-SAT&year>
- For the papers from KOSST, Korea (Copyright shall be attributed to KOSST)  
E-mail: [kosst0@naver.com](mailto:kosst0@naver.com)

### Journal Publication

Extended versions of the selected papers will be recommended for publication in the IEICE transactions or the Journal of KOSST after an express review and further revisions. Note that the authors intending to publish their extended version of the conference paper should be cautious in submission of final camera-ready paper to avoid the issue of so-called self-plagiarism of the original conference paper.

### Attendance Registration

All participants including speakers to JC-SAT 2024 are required to register through the IEICE and KOSST Conference Registration System, respectively, by the following due date.

- Due: November 7th, 2024
- Registration site: <http://www.ieice.org/ken/program/index.php?instsoc=IEICE-B&tqid=IEICE-SAT&year> (Japanese)  
E-mail: [kosst0@naver.com](mailto:kosst0@naver.com) (Korean)

## Registration Fee

### Japanese and other countries

- Speakers (Member of IEICE): 3,300 Japanese Yen.  
(Non-Member of IEICE): 5,500 Japanese Yen.
- Attendees: Up to member status.

Detailed information can be referred to the following URL.

[https://ken.ieice.org/ken/user/index.php?cmd=participation&tgs\\_regid=5bdb3cfc834f48c25dbc85e6a66c69d8426234f4cfa03512dc28fa1f1648b078](https://ken.ieice.org/ken/user/index.php?cmd=participation&tgs_regid=5bdb3cfc834f48c25dbc85e6a66c69d8426234f4cfa03512dc28fa1f1648b078)

### Korean

- Member of KOSST and Korea Association of Space Technology Promotion (KASP): 280,000 Korean Won
- Non-member of KOSST/KASP: 280,000 Korean Won  
Students: 160,000 Korean Won

## Important Dates for Authors:

- Abstract due : October 4~~st~~ 4th, 2024
- Final camera ready papers (A4-size 3 pages min., 6 pages max.) due : November 7th, 2024

## Organizing Committee:

- Chair: Mr. Masashi Kamei (NHK, Japan)
- Co-chair: Dr. Byoung-Sun Lee (ETRI, Korea)

## Technical committee:

- Chair: Mr. Yoji Kishi (KDDI Research, Inc., Japan)
- Co-chair: Dr. Pansoo Kim (ETRI, Korea)
- Members: Dr. Amane Miura (NICT, Japan), Mr. Yuki Koizumi (NHK, Japan), Dr. Riichiro Nagareda (KDDI Research, Inc., Japan), Dr. Hideaki Kotake (NICT, Japan), Mr. Hisayoshi Kano (NTT, Japan), Mr. Yoshimi Fujii (Kozo Keikaku Engineering Inc., Japan), Prof. Minoru Okada (Nara Institute of Science and Technology, Japan), Dr. Sang-il Ahn (KARI, Korea), Prof. Ji-Hwan Choi (KAIST, Korea), Prof. Sungtek Kahng (Incheon National Univ., Korea), Prof. Sooyoung Kim (Jeonbuk National Univ., Korea), Mr. Sung Chan Song (Hanwha System, Korea), Mr. Do-Kyoung Kim (LIGNex1, Korea), Mr. Jong-Jin Jang (KAI, Korea), Dr. Dong-Pil Chang (ETRI, Korea), Dr. Kyoung Youl Park (ADD, Korea), Prof. Wonjae Shin (Korea Univ., Korea)

## Submission to :

- Japanese side: Mr. Yuki Koizumi (NHK, Japan), E-mail: [sat\\_ac-sec@mail.ieice.org](mailto:sat_ac-sec@mail.ieice.org)
- Korean side: Mr. Daeyoon Lee, E-mail: [kosst0@naver.com](mailto:kosst0@naver.com)

## Best Paper Awards

JC-SAT 2024 will present the best paper awards to the authors of the selected outstanding papers.

## Contact Point:

- Mr. Yuki Koizumi (NHK, Japan), E-mail : [sat\\_ac-sec@mail.ieice.org](mailto:sat_ac-sec@mail.ieice.org)
- Dr. Pansoo Kim (ETRI, Korea), E-mail: [pskim@etri.re.kr](mailto:pskim@etri.re.kr)

## Organized by

Technical Committee on Satellite Communications, IEICE, Japan  
Korea Society of Space Technology (KOSST), Korea

## Co-Sponsored by

IEEE VTS Tokyo/Japan Chapter, Ministry of Science and ICT (MSIT), KASA (Korea AeroSpace Administration), KOFST, ETRI, KARI, ADD, KASP, APSCC

