

Call for Papers

2023 Joint Conference on Satellite Communications (JC-SAT 2023)

October 10-11, 2023

On/Off-line, Central Hotel Marianne, Haeundae, Pusan, Korea

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 August 4th, 2023. The access URL of the Conference Registration is shown as follows:

- For the papers from KOSST, Korea (Copyright shall be attributed to KOSST) and other countries except Japan
URL: <http://www.kosst.or.kr/JC-SAT/2023>, E-mail: kosst0@naver.com
- For the papers from IEICE, Japan (Copyright shall be attributed to IEICE)
URL: <http://www.ieice.org/ken/program/index.php?instsoc=IEICE-B&tgid=IEICE-SAT&year>

Journal Publication

Extended versions of the selected papers will be recommended for publication in the Journal of KOSST or the IEICE transactions 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 2023 are required to register through the IEICE and KOSST Conference Registration System, respectively, by the following due date.

- Due : September 12th, 2023
 - Registration site : <http://www.kosst.or.kr/JC-SAT/2023> (Korean), E-mail: kosst0@naver.com
<http://www.ieice.org/ken/program/index.php?instsoc=IEICE-B&tgid=IEICE-SAT&year> (Japanese)

Registration Fee

Japanese

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

Detailed information can be referred to the following URL.

https://www.ieice.org/ken/user/index.php?cmd=participation&tgs_regid=29c99f23d97b3944285596c7214de37c79d6833fcb8f336ba523816b4b65bfb1

Korean and other countries

- Member of KOSST and Korea Association of Space Technology Promotion (KASP): 280,000 Korean Won (On-site: 300,000 Korean Won)
- Non-member of KOSST/KASP: 280,000 Korean Won (On-site : 300,000 Korean Won)
- Students: 160,000 Korean Won (On-site : 180,000 Korean Won)

Important Dates for Authors:

- Abstract due : August 4th, 2023
- Final camera ready papers (A4-size 3 pages min., 6 pages max.) due : September 12th, 2023

Organizing Committee:

Chair: Dr. Byoung-Sun Lee (ETRI, Korea)

Co-chair: Prof. Takana Kaho (Shonan Institute of Technology, Japan)

Technical committee:

Chair: Mr. Pansoo Kim (ETRI, Korea)

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Submission to :

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Japanese side: Mr. Junichi Abe (NTT, Japan), E-mail: sat_ac-sec@mail.ieice.org

Best Paper Awards

JC-SAT 2023 will present the best paper awards to the authors of the selected outstanding papers.

Contact Point:

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Mr. Junichi Abe (NTT, Japan), E-mail : sat_ac-sec@mail.ieice.org

Organized by

Korea Society of Space Technology (KOSST), Korea

Technical Committee on Satellite Communications, IEICE, Japan

Co-Sponsored by

Ministry of Science and ICT(MSIT), KOFST, IEEE VTS Tokyo/Japan Chapter, ETRI, KARI, APSI, InSpace, KASP, Network Customizing Technologies, Satrec Initiative, Soletop, APSCC

