

## Call for Papers

# 2022 Joint Conference on Satellite Communications (JC-SAT 2022)

October 6-7, 2022  
On/Off-line, Fukuoka, 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 and applications as they related to the areas of satellite services including GNSS.

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.)
- ◆ Satellite broadcasting
- ◆ Key policy and regulatory issues for satellite communication
- ◆ 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 integration
- ◆ PPDR(Public Protection and Disaster Relief) using satellite and UAS/UAV
- ◆ 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 5th, 2022. 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/2022>
- 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 2022 are required to register through the IEICE and KOSST Conference Registration System, respectively, by the following due date.

- **Due : September 8th, 2022**
- Registration site : <http://www.kosst.or.kr/JC-SAT/2022> (Korean)  
<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](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) : 200,000 Korean Won (On-site : 230,000 Korean Won)
- Non-member of KOSST/KASP : 230,000 Korean Won(On-site : 250,000 Korean Won)
- Students : 50,000 Korean Won(On-site : 60,000 Korean Won)

### Important Dates for Authors:

- Abstract due : August 5th, 2022
- Final camera ready papers (A4-size 3 pages min., 6 pages max.) due : September 8th, 2022

### Organizing Committee:

*Chair:* Prof. Tetsushi Ikegami (Meiji University, Japan)

*Co-Chairs:* Dr. Ki-Keun Kim (ADD, Korea)

### Technical committee:

*Chair :* Prof. Takana Kaho (Shonan Institute of Technology, Japan)

*Co-chair :* Dr. Kyoung Youl Park (ADD, Korea)

*Members :* Mr. Masashi Kamei (NHK, Japan), Dr. Takuya Okura (NICT, Japan), Mr. Junichi Abe (NTT, Japan), Mr. Yuki Koizumi (NHK, Japan), Dr. Riichiro Nagareda (KDDI Research, Inc., Japan), Mr. Yoshimi Fujii (Kozo Keikaku Engineering Inc., Japan), Prof. Yasuyuki Maekawa (Osaka Electro-Communication University, Japan), Dr. JaeDong Choi (KARI, Korea), Dr. Seung Keun Park(ETRI, Korea), Dr. Byoung Sun Lee (ETRI, Korea), Prof. Ji-Hwan Choi (KAIST, Korea), Prof. Won Ho Kim (Kongju N. Univ, Korea), Prof. Keun-kwan Ryu (Hanbat Univ., Korea), Prof. Jae Sang Cha (SNUST, Korea), Prof. Sungtek Kahng (Incheon National University, Korea), Mr. Sungkyun Park-(Hanwha), Dr. Choong-Ho Song (LIGNex1), Mr. Sekyoung Park (ART, Korea),

### Submission to :

*Japanese side :* Dr. Takuya Okura (NICT, Japan), E-mail : sat\_ac-sec@mail.ieice.org

*Korean side :* Mr. Daeyoon Lee(kosst@chol.com)

### Best Paper Awards

JC-SAT 2022 will present the best paper awards to the authors of the selected outstanding papers.

### Contact Point:

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Dr. Kyoung Youl Park (ADD, Korea), E-mail : kypark@add.re.kr

## Organized by

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

## 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

