

# The Institute of Electronics, Information and Communication Engineers (IEICE) Communications Society

[https://www.ieice.org/cs\\_r/eng/](https://www.ieice.org/cs_r/eng/)

# Organization of IEICE-CS

## Executive Committees

- Board of Directors
  - Administration of Communications Society
- Editorial Board
  - Transactions on Communications, in English
  - Transactions on Communications, in Japanese
  - IEICE Communications Express (ComEX), in English
  - Communications Society Magazine, B-plus, in Japanese
- Council of Technical Committee Representatives
  - 20 (regular)+7 (ad hoc) Technical Committees
  - Each TC organizes 4 or more workshops per year.
- Planning and Members Activities Committee
  - International Affairs
  - Web Management, Email News

2022

# IEICE-CS Board of Directors



President

Yukari TSUJI



President-Elect

Shoji KASAHARA



Chair, Editorial Board

Makoto TAROMARU



Vice President

Planning, Member Activities Committee

Joji MAEDA



Vice President

Council of Technical Committee Representatives

Takeo FUJII

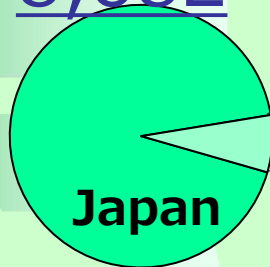


Other Directors

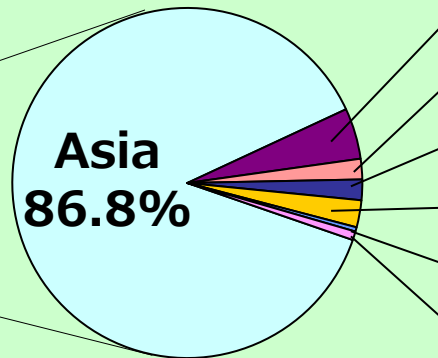
# IEICE-CS Members

IEICE-CS  
members

8,682



400 IEICE-CS Overseas Members  
(May, 2022)



**Europe 4.8%**

**Middle East 1.0%**

**North America 2.0%**

**South America 2.0%**

**Oceania 0.8%**

**Africa 0.8%**

ALGERIA  
AUSTRALIA  
AUSTRIA  
BANGLADESH  
BELGIUM  
BRAZIL  
CANADA  
CHINA  
COLOMBIA  
FINLAND  
GERMANY  
GREECE

GUATEMALA  
HUNGARY  
INDIA  
INDONESIA  
IRAN  
ITALY  
IRAQ  
KOREA  
LIBYA  
MALAYSIA  
MEXICO  
MOROCCO

MYANMAR  
PAKISTAN  
POLAND  
SPAIN  
SWITZERLAND  
TAIWAN  
THAILAND  
TURKEY  
UNITED KINGDOM  
U.S.A.  
VIETNAM

**35**  
**Countries/  
Regions**

# Regular Technical Committees

- Antennas and Propagation (**AP**)
- Internet Architecture (**IA**)
- Space, Aeronautical and Navigational Electronics (**SANE**)
- Satellite Telecommunications (**SAT**)
- Electromagnetic Compatibility (**EMCJ**)
- Communication Quality (**CQ**)
- Information and Communication Management (**ICM**)
- Information Networks (**IN**)
- Smart Radio (**SR**)
- Short Range Wireless Communications (**SRW**)
- Communication Systems (**CS**)
- Energy Engineering in Electronics and Communications (**EE**)
- Network Systems (**NS**)
- Optical Communication Systems (**OCS**)
- Optical Fiber Technology (**OFT**)
- Photonic Network (**PN**)
- Healthcare and Medical Information Communication Technology (**MICT**)
- Radio Communication Systems (**RCS**)
- Wireless Power Transmission (**WPT**)
- Sensor Network and Mobile Intelligence (**SeMI**)



20 Regular TCs

# Ad Hoc Technical Committees (Active Period)

- Standardization & Innovation in ICT Technologies (**SIIT**)  
(2008.10-2024.3)
- Extremely Advanced Optical Transmission (**EXAT**)  
(2010.4-2024.3)
- Network Virtualization (**NV**)  
(2011.4-2023.3)
- Photonics-applied Electromagnetic Measurement (**PEM**)  
(2012.4-2024.3)
- Information-Centric Networking (**ICN**)  
(2015.3-2023.3)
- Networked Digital Service Platform (**DPF**)  
(2019.5-2023.3)
- Underwater Wireless Technology (**UWT**)  
(2020.4-2024.3)



# Technical Committees for Workshop Type 3 (Active Period)

- Multiple Innovative Kenkyu-kai Association for wireless communications (MIKA)  
(2020.3-2023.3)
- Cross-Field Research Association of Super-Intelligent Networking (RISING)  
(2020.9-2022.8)

# Publications

## (1) Transactions on Communications



最新号目次  
SITE\_TOP  
Online ISSN : 1881-0289  
English Page

電子情報通信学会論文誌 通信

Call for Papers  
Submit to IEICE Trans.  
Information for Authors

NEWS

TOP10 COMMUNICATIONS SOCIETY

Volume J105-B No.3 (発行日:2022/03/01)

学生・若手論文特集

pp.37-38 巻頭言 無償公開論文  
学生・若手論文特集の発行にあたって  
青島・直行 (発行日:2022/03/01) 英語; PDF(517.1MB)

pp.39-51 論文-基礎理論  
位相雑音環境下における量子受信機の誤り率特性とそのロバスト設計の規準  
王・天雲 小山・真司 中野・健治 白田・毅 (早期公開日: 2021/10/27) 英語; PDF(133.9MB)

pp.52-61 論文-基礎理論  
低遅延符号PRINCEを利用したPUFとその評価  
野島・由典 吉川・康章 (早期公開日: 2021/11/27) 英語; PDF(298.2MB)

pp.62-73 論文-基礎理論  
純粋状態信号に対するBeLavkin Weighted Square-root Measurementの幾何学的表現  
五十川・雅博 中川・綾太 王・天雲 高橋・栄一 白田・毅 (早期公開日: 2021/11/24) 英語; PDF(12.5MB)

pp.74-87 論文-基礎理論 無償公開論文  
非対称量子信号に対する通信路行列計算の簡単化  
宮崎・隆輔 森田・真吾 王・天雲 高橋・栄一 白田・毅 (早期公開日: 2021/11/24) 英語; PDF(2.4MB)

pp.88-95 論文-電子通信エネルギー 無償公開論文  
H型昇降圧PFCコンバータの非同期スイッチング昇降圧動作を用いた高効率制御法  
渡辺・昌太 坂下・友一 白田・真史 (早期公開日: 2021/11/11) 英語; PDF(13.5MB)

pp.96-105 論文-電子通信エネルギー

Latest Issue  
SITE\_TOP  
Online ISSN : 1745-1345  
Japanese Page

IEICE TRANSACTIONS on Communications

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NEWS

TOP10 COMMUNICATIONS SOCIETY

Volume E105-B No.3 (Publication Date:2022/03/01)

Network Tomography for Information-Centric Networking  
Bovichi KAMAHARA Takuya YANO Rie TAGO Daiuke IREGAMI (Publicized: 2021/09/24) Summary ; Full Text:PDF(1.2MB)

An Adjustable Contention Window Management for Dense IEEE 802.11 Networks  
Chandra Sukanya MANDYALA Sunoojun JIN (Publicized: 2021/09/24) Summary ; Full Text:PDF(885.3KB)

Mantle-Cloak Antenna by Controlling Surface Reactance of Dielectric-Loaded Dipole Antenna  
Thanh Binh NGUYEN Naobumi HIRASHITA Hisashi HOSHIMIZU Teruki HATAZAKI Masato TAMAKOHO (Publicized: 2021/09/24) Summary ; Full Text:PDF(4MB)

A Study on Gain Enhanced Leaf-Shaped Bow-Tie Slot Array Antenna within Quasi-Millimeter Wave Band  
Mansouri HIR Tabashi KIMISE Manabu YAMAMOTO (Publicized: 2021/09/30) Summary ; Full Text:PDF(3.4MB)

Specific Absorption Rate (SAR) Calculations in the Abdomen of the Human Body Caused by Smartphone at Various Tilt Angles: A Consideration of the 1950MHz Band  
Chikaki TAKASAKA Kazuyuki SAITO Masaharu TAKAHASHI Tomoki MEGURO Kanako MIKE (Publicized: 2021/09/01) Summary ; Full Text:PDF(2.7MB)

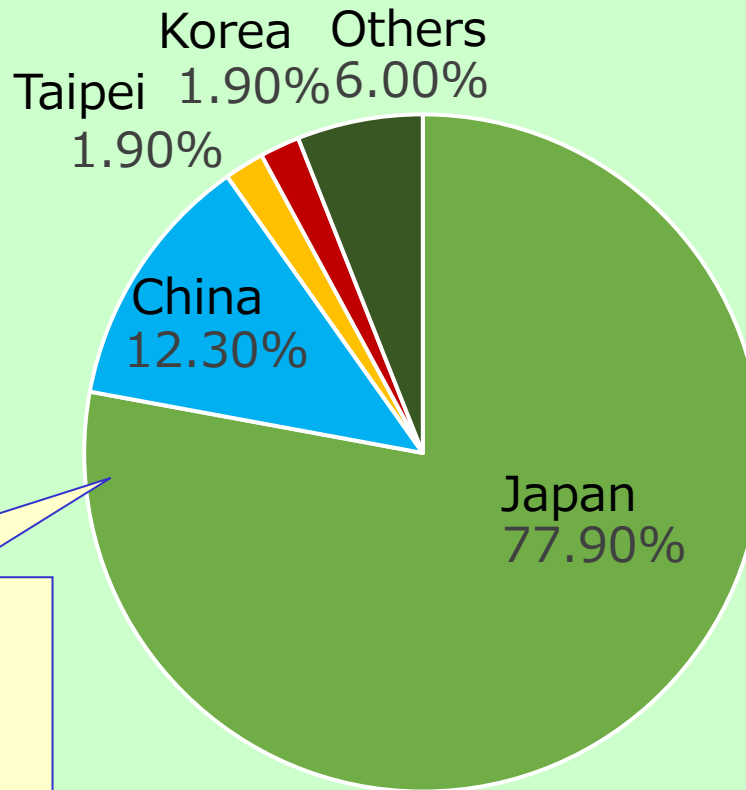
The Communications Society issues two Transactions monthly. (English and Japanese Editions)  
Only available in electronic format.



# Publications

## (1) Transactions on Communications

**2020 Impact Factor: 0.525**



Year 2021

Papers are DOI (digital object identifier) attached and accessible through the internet from all over the world.

IEICE Transactions on Communications (English) is now an international journal in Asian-Pacific region.

**English Edition**

# Publications

## (2) IEICE Communications Express



Online Letter Journal, where researchers can exchange new topics easily and in a timely manner.



### Features:

- Papers are DOI (digital object identifier) attached with open access (trial) through the Internet (<https://www.ieice.org/publications/comex/>).
- Indexed by Emerging Sources Citation Index (ESCI)
- Short papers (up to 1,500 words) are rapidly published after acceptance.

# Publications

## (1) & (2) Trans. Commun. / ComEX

- Average length of review period

### Trans. Commun. PAPER :

- ✓ **65.9 days** from the time of submission to the first review result notification
- ✓ Accepted papers will be published online soon after notification of acceptance (**advance publication**)

### ComEX LETTER :

- ✓ **26.3 days** in average from the time of submission to the first review result notification in 2020
- ✓ **41.5 days** in average from the time of submission to advance publication in 2020
- ✓ Acceptance rate: 52.9% (in 2020)



Short  
review period

# Publications

## (3) Communications Society Magazine



- Communications Society Magazine, B-plus, started in June 2007
- Includes technical reviews, surveys, practical topics, etc.
- Published quarterly in Japanese
- Free access of electronic version since March 2015



# International Conferences

## International Conferences in **2015 – 2021**

Categories	Number of conferences
Sponsored / Co-Sponsored	20
Technically Co-sponsored	92
Cooperation	26

Regions	Number of conferences
Africa	5
Asia	80
Oceania	4
Middle East	1
North America	10
Europe	22
Virtual conf.	28 (incl. 13 hybrid conferences)

# International Conferences

## Upcoming international conferences supported by IEICE-CS in 2022

Schedule	Conference Name	Venue	Sponsors
31 Oct. - 3 Nov. 2022	2022 International Symposium on Antennas and Propagation (ISAP2022)	Sydney, Australia	University of Technology Sydney (Technically co-sponsored by IEICE-CS)
19 Oct. - 21 Oct. 2022	The 13th International Conference on ICT Convergence (ICTC2022)	Jeju, Korea	The Korean Institute of Communications and Information Sciences (KICS) (Technically co-sponsored by IEICE-CS)
28 Sept. - 30 Sept. 2022	The 23rd Asia-Pacific Network Operations and Management Symposium (APNOMS2022)	Takamatsu, Japan	IEICE-CS/ICM (Co-sponsored by The Korean Institute of Communications and Information Sciences (KICS) Korean Network Operations and Management (KNOM))
29 Aug. - 31 Aug. 2022	2022 IEEE International Workshop on Electromagnetics: Applications and Student Innovation Competition (IWEM2022)	Narashino, Japan	IEEE AP-S Tokyo Chapter (Technically co-sponsored by IEICE-CS)
31 July - 5 Aug. 2022	The 15th Pacific Rim Conference on Laser and Electro-Optics 2022 (CLEO-PR2022)	Sapporo, Japan	IEICE-CS, IEICE-ES, The Japan Society of Applied Physics
11 July - 13 July 2022	IEEE Summer Topicals Meeting Series 2022 (IEEE Summer Topicals 2022)	Cabo San Lucas, Mexico	IEEE Photonics Society (Technically co-sponsored by IEICE-CS/EXAT)
5 July - 8 July 2022	The 13th International Conference on Ubiquitous and Future Networks (ICUFN2022)	Barcelona, Spain	The Korean Institute of Communications and Information Sciences (KICS) (Technically co-sponsored by IEICE-CS)
3 July - 7 July 2022	27th Optoelectronics and Communications Conference/International Conference on Photonics in Switching and Computing 2022 (OECC/PSC2022)	Toyama, Japan	IEICE-CS, IEICE-ES
19 June 2022	Technologies and Proof-of-Concept Activities for 6G 2022 (TPoC6G 2022)	Helsinki, Finland	IEEE VTS (Technically co-sponsored by IEICE-CS/RCS)

# Member Activities

## Sister Societies

- Our sister societies:
  - IEEE Communications Society (ComSoc)
  - The Korean Institute of Communications and Information Sciences (KICS)
  - Korean Institute of Electromagnetic Engineering and Science (KIEES)
  - Informationstechnische Gesellschaft within The Verband Der Elektrotechnik Elektronik Informationstechnik (VDE/ITG)
  - China Institute of Communications (CIC)
  - IEEE Electromagnetic Compatibility Society (EMCS)

# Member Activities

## Welcome Party

- "**Welcome Party**" is one of the major events for young engineers, especially students
  - Provides them with a good opportunity to meet and talk casually with experienced researchers and engineers from various organizations
- On 15th March 2022, the event was held online at IEICE General Conference as in the previous year
  - successful with **over 80 participants** including about 40 students
  - 4 societies (ESS,ES,ISS and CS) held the joint event, under the leadership of Communications Society
  - Company introduction was presented by 8 companies

