

# 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)+5 (ad hoc) Technical Committees
  - Each TC organizes 4 or more workshops per year.
- **Planning and Members Activities Committee**
  - International Affairs
  - Web Management, Email News

2024

# IEICE-CS Board of Directors

President

Akihiro NAKAO



President-Elect

Yukitoshi SANADA



Chair, Editorial Board

Masaharu TAKAHASHI



Vice President

Planning, Member Activities Committee

Toru TAKAHASHI



Vice President

Council of Technical Committee Representatives

Hiraku OKADA



2024

# IEICE-CS Board of Directors

Director, General Affairs

Kenichi MATSUI



Director, General Affairs

Osamu TAKYU



Director, Finance and  
Accounting

Takayuki KURODA



Director, Finance and  
Accounting

Masahiro SARASHINA



2024

# IEICE-CS Board of Directors

Director,  
Planning and Member Activities

Masaaki INOUE



Director,  
Planning and Member Activities

Yukihiko OKUMURA



Director,  
Planning and Member Activities

Takumi OISHI



Director,  
Planning and Member Activities

Tatsuya KIKUZUKI



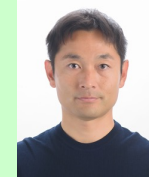
Director,  
Planning and Member Activities

Rei NAKAGAWA



Director,  
Planning and Member Activities

Shigenori TANI



2024

# IEICE-CS Board of Directors

Vice Chair, Editorial Board

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Vice Chair, Editorial Board

Shinsuke IBI



Vice Chair, Editorial Board

Noriaki KAMIYAMA



Vice Chair, Council of Tech.  
Committee Representatives

Hideyuki SHIMONISHI



Vice Chair, Council of Tech.  
Committee Representatives

Koji YAMAMOTO



2024

# IEICE-CS Board of Directors

Liaison Handbook Committee

Katsuya SUTO



Executive, CS International  
Conference

Katsuyoshi IIDA



Executive, CS International  
Conference

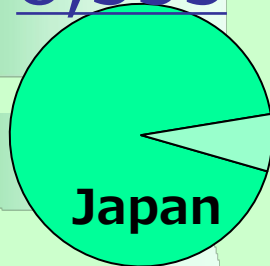
Daisuke UMEHARA



# IEICE-CS Members

IEICE-CS  
members

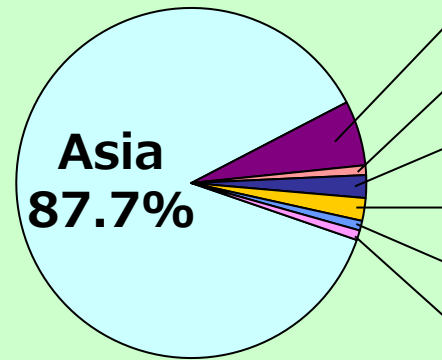
8,333



Overseas

Japan

284 IEICE-CS Overseas Members  
(March, 2024)



Asia  
87.7%

Europe 6.0%

Middle East 1.4%

North America 1.4%

South America 1.8%

Oceania 1.1%

Africa 0.7%

AUSTRALIA  
AUSTRIA  
BANGLADESH  
BRAZIL  
CANADA  
CHINA  
COLOMBIA  
GERMANY  
GREECE  
GUATEMALA  
Turkey

HUNGARY  
INDIA  
INDONESIA  
IRAN  
ITALY  
IRAQ  
KOREA  
MALAYSIA  
MEXICO  
MONGOLIA  
MOROCCO

NIGERIA  
PAKISTAN  
POLAND  
SWITZERLAND  
TAIWAN  
THAILAND  
UNITED KINGDOM  
U.S.A.  
VIETNAM

**31**  
Countries/  
Regions



# Regular Technical Committees

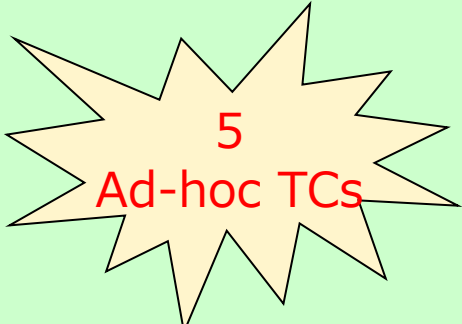
- Antennas and Propagation (**AP**)
- Internet Architecture (**IA**)
- Space, Aeronautical and Navigational Electronics (**SANE**)
- Satellite Telecommunications (**SAT**)
- Electromagnetic Compatibility (**EMCJ**)
- Communication Quality (**CQ**)
- Information and Communication Management (**ICM**)
- 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**)  
(2008.10-2026.3)
- Extremely Advanced Optical Transmission (**EXAT**)  
(2010.4-2026.3)
- Information-Centric Networking (**ICN**)  
(2015.3-2025.3)
- Networked Digital Service Platform (**DPF**)  
(2019.5-2025.3)
- Underwater Wireless Technology (**UWT**)  
(2020.4-2026.3)



5  
Ad-hoc TCS

# Technical Committees for Workshop Type 3 (Active Period)

- Multiple Innovative Kenkyu-kai Association for wireless communications (MIKA)  
(2023.4-2025.3)
- Cross-Field Research Association of Super-Intelligent Networking (RISING)  
(2024.4-2025.3)

# Publications

## (1) Transactions on Communications



最新号目次  
SITE TOP  
Online ISSN : 1881-0209  
English Page

電子情報通信学会論文誌 B  
Call for Papers  
Submit to IEICE Trans.  
Information for Authors  
NEWS  
TOP10  
Volume J107-B No.4 (発行日:2024/04/01)

一般論文  
pp.276-285 論文:アンテナ・伝搬  
ディスクリ微分係数拘束型アダプティブモノパルス (DE-CAM) による干渉波存在下にお  
ける目標の到来方向推定  
藤崎 直次 高橋 謙平  
(準拠公開日: 2023/12/21) あらまし | 本文PDF(949.3KB)

最新号へ  
早期公開論文(採録後直ちに公開中)  
ESD試験機のフェライトコア装着ケージによる接触放電電流波形のリングング低減効果  
杉本 幸太 石田 武志 上 建策 豊田 隆  
(準拠公開日: 2024/04/16) あらまし | 本文PDF(5.5MB)

編波回転子を用いたKramers-Kronig受信器による編波多重光ファイバ伝送  
藤本 宏輝 佐賀 博哉  
(準拠公開日: 2024/04/09) あらまし | 本文PDF(3645.9KB)

無線通信による高精度測距を目指したフローティングメタル装荷型折り返しロボットアン  
テナ  
高野 洋平 矢野 隆一 安山 晋 志賀 信泰 藤崎 幸次 井上 愛 井戸 晋佑  
(準拠公開日: 2024/04/01) あらまし | 本文PDF(1.4MB)

CNN伝搬損失推定における伝搬メカニズムに基づいた地図画像の調整効果  
土林 真樹 森田 謙基  
(準拠公開日: 2024/03/21) あらまし | 本文PDF(1.1MB)

画像データの要約統計量を用いたクラスタリング適合学習  
高田 雄一 谷村 崇 高橋 謙山  
(準拠公開日: 2024/03/14) あらまし | 本文PDF(353.5KB)

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Latest Issue  
SITE TOP  
Online ISSN : 1745-1345  
Japanese Page

IEICE TRANSACTIONS on Communications  
Call for Papers  
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Information for Authors  
NEWS  
TOP10  
Volume E107-B No.4 (Publication Date:2024/04/01)

Regular Section  
pp.349-356 PAPER: Fiber-Optic Transmission for Communications  
Overfitting Problem of ANN- and VSTF-Based Nonlinear Equalizers Trained on Repeated  
Random Bit Sequences  
Kai IKUTA Jinya NAKAMURA Motiva NAKAMURA  
Summary | Full Text PDF(1.2MB)

pp.357-367 PAPER: Antennas and Propagation  
Capacity and Reliability of Ionosphere Communication Channel Based on Multi-Carrier  
Modulation Technique and LUF-MUF Variation  
Vanithar DEAR Anis SIRADI MARDIANI Nandana DEBI Pravinjo ABADI Band HARYO PRANANTO  
ISKANDAR  
Summary | Full Text PDF(4.8MB)

pp.368-376 PAPER: Wireless Communication Technologies  
A Lightweight Graph Neural Networks Based Enhanced Separated Detection Scheme for  
Downlink MIMO-SCMA Systems  
Zikang CHEN Wenping GU Henghui FEI Haiqun ZHAO Bowen LI  
Summary | Full Text PDF(1.4MB)

pp.377-386 PAPER: Sensing  
SimpleVITFF: A Lightweight Vision Transformer Model for Wi-Fi-Based Person Identification  
Jichen BIAN Min ZHENG Hong LIU Jiahui MAO Hui LI Chong TAN  
Summary | Full Text PDF(2.7MB)

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The Communications Society issues two Transactions monthly. (English and Japanese Editions)

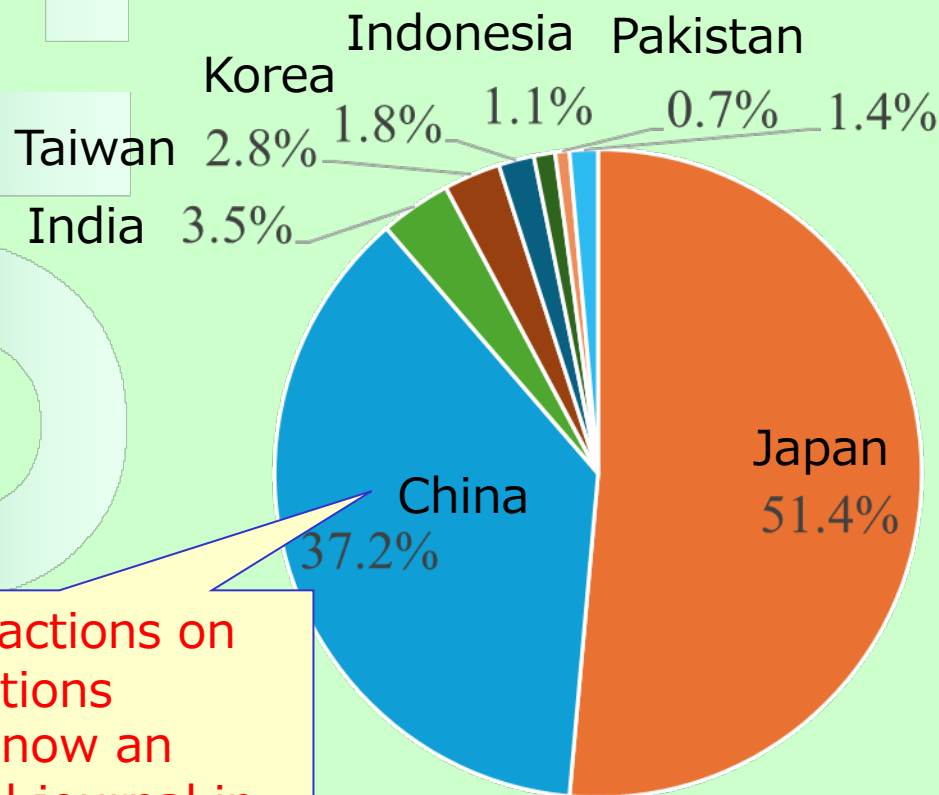
Only available in electronic format.

English Edition is published as an open access journal in IEEE Xplore

# Publications

## (1) Transactions on Communications

**2022 Impact Factor: 0.72**



Others  
(Saudi Arabia,  
Thailand, Turkey,  
Vietnam)

Number of  
Submissions  
Year 2023

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

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

# Publications

## (2) IEICE Communications Express



**2022 Impact Factor: 0.32**

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/>)

- Open access available in IEEE Xplore
- Indexed by Emerging Sources Citation Index (ESCI)
- Short papers (up to 4 pages) are rapidly published after acceptance.

# Publications

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

Published in IEEE Xplore (All articles are open access)

- ✓ **Commun.:** <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=10400553>
- ✓ **ComEX:** <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=10250155>

Average review period in 2023

### Trans. Commun. PAPER :

- ✓ **56.3 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 :

- ✓ **31.3 days** in average from the time of submission to the first review result notification
- ✓ **50.3 days** in average from the time of submission to advance publication
- ✓ Acceptance rate: **48.4%**





# 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





# International Conferences

## International Conferences in **2015 – 2023**

Categories	Number of conferences
Sponsored / Co-Sponsored	27
Technically Co-sponsored	113
Cooperation	31

Regions	Number of conferences
Africa	7
Asia	99
Oceania	6
Middle East	3
North America	11
South America	2
Europe	28

# International Conferences

- Upcoming international conferences supported by IEICE-CS in 2024

Schedule	Conference Name	Venue	Sponsors
20 May – 24 May 2024	2024 IEEE Joint International Symposium on Electromagnetic Compatibility, Signal & Power integrity: EMC Japan/Asia-Pacific International Symposium on Electromagnetic Compatibility (EMC Japan/APEMC Okinawa)	Okinawa, Japan	IEICE-CS (Co-sponsored by IEEE EMC Society, Technically co-sponsored by APEMC)
27 May – 29 May 2024	12th International Conference on Smart Grid (icSmartGrid 2024)	Setúbal, Portugal	International Journal of Renewable Energy Research (In cooperation with IEICE-CS)
2 July – 5 July 2024	The 15th International Conference on Ubiquitous and Future Networks (ICUFN2024)	Budapest, Hungary	The Korean Institute of Communications and Information Sciences (KICS) (Technically co-sponsored by IEICE-CS)
7 Aug. – 9 Aug. 2024	The 3rd International Conference on M <sup>3</sup> IT Convergence (ICMIC2024)	Kuala Lumpur, Malaysia	The Korean Institute of Communications and Information Sciences (KICS) (Technically co-sponsored by IEICE-CS)
10 Oct. – 18 Oct. 2024	The 15th International Conference on ICT Convergence (ICTC2024)	Jeju Island, Korea	The Korean Institute of Communications and Information Sciences (KICS) (Technically co-sponsored by IEICE-CS)
5 Nov. – 7 Nov. 2024	27th Asia-Pacific Conference on Communications (APCC2024)	Bali, Indonesia	IEEE Communication Society Indonesia Chapter (Technically co-sponsored by IEICE-CS)
5 Nov. – 8 Nov. 2024	The 29th International Symposium on Antennas and Propagation (ISAP2024)	Incheon, Korea	The Korean Institute of Electromagnetic Engineering and Science(KIEES) (Technically co-sponsored by IEICE-CS)
9 Nov. -13 Nov. 2024	13th International Conference on Renewable Energy Research and Applications 2024 (ICRERA2024)	Nagasaki, Japan	International Journal of Renewable Energy Research (In cooperation with IEICE-CS)
25 Nov. – 27 Nov. 2024	International Conference on Emerging Technologies for Communications (ICETC2024)	Kitakyushu, Japan	IEICE-CS (Co-sponsored by Kitakyushu-shi)

# 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 5<sup>th</sup> March 2024, the event was successfully held jointly with Konshinkai at IEICE General Conference as **in-person event**
  - **240 participants (including 48 students)**
  - Poster presentation: **18 technical committees**



Photo at opening ceremony



Photo at poster presentation



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

## About Communications Society

IEICE Communications Society shall endeavor to facilitate research and investigation activities in the field of communications, and to contribute to research activities through cooperation with other societies, in order to promote the development of science and technology in this field.

### ◆ Technical Committees

Twenty regular technical committees, five ad hoc technical committees and two special ad hoc technical committees carry out research activities. The following is a list of the technical committees.

#### 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)
- Sensor Network and Mobile Intelligence (SeMI)
- 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)

#### Ad Hoc Technical Committees

- Standardization & Innovation in ICT Technologies (SIIT)
- Extremely Advanced Optical Transmission (EXAT)
- Information-Centric Networking (ICN)
- Networked Digital Service Platform (DPF)
- Underwater Wireless Technology (UWT)

#### Technical Committees for Workshop Type 3

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

### ◆ Publications

#### IEICE Transactions on Communication

The IEICE Transactions on Communications (English and Japanese editions) are published monthly. The impact factor of IEICE Transactions on Communications (English edition) was 0.72 in 2022.

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



## IEICE Communications Express (ComEX)

IEICE Communications Express (ComEX) is an online letter journal, where researchers can exchange new topics easily and in a timely manner. The impact factor of ComEX was 0.32 in 2022.

<https://www.ieice.org/publications/comex/>



IEICE Transactions on Communications (English edition) and ComEX are published as open access journals in IEEE Xplore from papers submitted after June 2023.



Trans. Commun.

- Commun.:

<https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=10400553>

- ComEX:

<https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=10250155>



ComEX

## Communications Society Magazine “B-plus”

The Communications Society Magazine (Japanese edition only) “B-plus” provides technical reviews, surveys, practical topics, etc. “B-plus” is published quarterly in Japanese. The electronic version has been accessible free of charge.

<https://www.ieice.org/cs/cs-edit/magazine/>



## ◆ Membership Services

### Technical Report Archives

Technical Report Archives is an archive of all the technical reports of IEICE-CS published more than one month ago. It is part of the IEICE Technical Report Online System.

### Email News

We call for papers of transactions and international conferences, as well as technical workshops from CS members by email.

## ◆ Sister Societies

Communications Society has sister-society agreements with the following six overseas societies.

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