

Agenda



1. **Welcome**
2. **Attendance Registration**
3. **Approval of the Agenda**
4. **Approval of the ICC 2023 (May 2023) TCCN meeting minutes**
5. **Introduction and Report from the Chair**
6. **TCCN Recognition/Publication Awards**
7. **TCCN Webinars and Journal Collaboration**
8. **TCCN Standardization Information**
9. **Reports on Special Interest Groups (SIGs)**
10. **Reports on Publications**
11. **Reports on Conferences**
12. **TCCN publicity**
13. **Next TCCN Meeting**
14. **Open Discussions**
15. **Invited Talks**

IEEE TRANSACTIONS ON COGNITIVE COMMUNICATIONS AND NETWORKING

A PUBLICATION OF
THE IEEE COMMUNICATIONS SOCIETY
THE IEEE SIGNAL PROCESSING SOCIETY



Shiwen Mao

Editor-in-Chief, TCCN

<https://www.comsoc.org/publications/journals/ieee-tccn>
<https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6687307>

IEEE Transactions on Cognitive Communications and Networking

▶ Launched in 2015

- Cosponsored by IEEE *Communications and Signal Processing Societies*

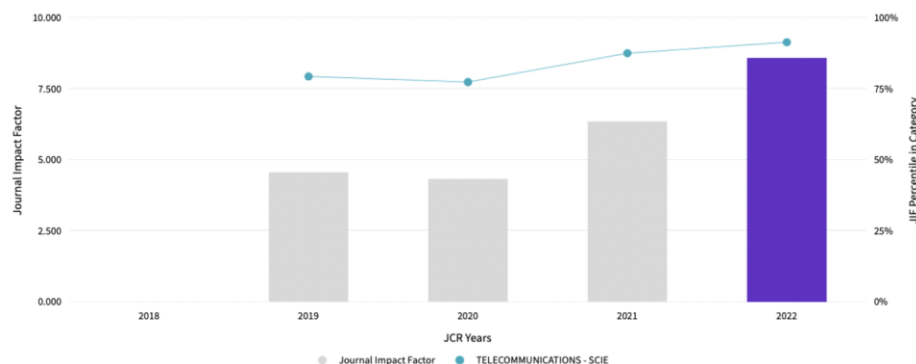
▶ Editor-in-Chiefs

- Michele Zorzi, University of Padova, Italy, 2015-2018
- Ying-Chang Liang, University of Electronic Science and Technology of China, China, 2019-2022
- Shiwen Mao, Auburn University, USA, 2023-2024

▶ First impact factor in 2019: 4.574

▶ Ranked 8/88 in Telecommunications

Journal Impact Factor Trend 2022



EDITION

Science Citation Index Expanded (SCIE)

CATEGORY

TELECOMMUNICATIONS

8/88

JCR YEAR	JIF RANK	QUART ILE	JIF PERCENTILE
2022	8/88	Q1	91.5
2021	12/93	Q1	87.63
2020	21/91	Q1	77.47
2019	19/90	Q1	79.44

Scope and Areas

Scope: The IEEE Transactions on Cognitive Communications and Networking (TCCN) is committed to timely publishing of high-quality manuscripts that advance the state-of-the-art of *cognitive communications and networking* research. The focus of the Transactions will be on “cognitive” behaviors in all aspects of communications and network control, from the PHY functions (including hardware) through the applications (including architecture), and in all kinds of communication networks and systems regardless of type of traffic, transmission media, operating environment, or capabilities of communicating devices.

AI/ML + Spectrum



Editorial Board

Cognitive Radio (10)

- Nada Golmie
- Gregory David Durgin
- Mubashir Rehmani
- Yiyang Pei
- Wei Feng
- R.R. Venkatesha Prasad
- Yue Gao
- Chee Wei Tan
- Zan Li
- Yonghong Zeng

AI-empowered Communications (10)

- Jia (Kevin) Liu
- Dola Saha
- Zhengchun Zhou
- Ahmed Alkhateeb
- Le Liang
- Guoru Ding
- Zhijin Qin
- Dinh Thai Hoang
- Li Wang
- Zhenyu Xiao

AI-empowered Networking (11)

- Jing Yang
- Avinash Srinivasan
- Nizar Zorba
- Celimuge Wu
- Xianfu Chen
- Qiang Ye
- Long Bao Le
- Kai Zeng
- Jiajia Liu
- Ning Zhang
- Kaoru Ota

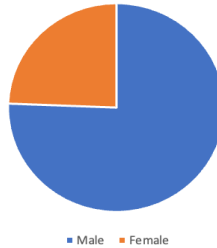
AI-empowered Resource Management (10)

- Liping Qian
- Danda B. Rawat
- Yi Shi
- Guangjie Han
- Yalin Sagduyu
- Tao Chen
- Kae Won Choi
- Li-Chun Wang
- Melike Erol-Kantarci
- Jun Zhao

Editorial Board (cont'd)

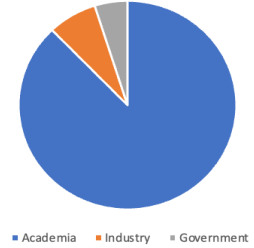
- **Gender distribution**

- Male: 75.61%
- Female: 24.39%



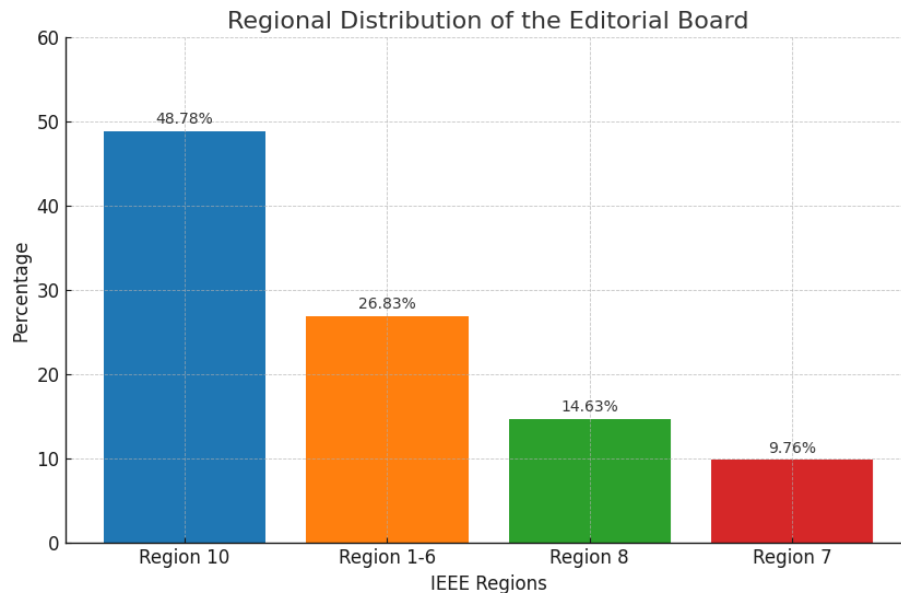
- **Sector distribution**

- Academia: 87.80%
- Industry: 7.32%
- Government: 4.88%



- **Regional distribution**

- Region 10 (Asia Pacific): 48.78%
- Region 1-6 (US): 26.83%
- Region 7 (Canada): 9.76%
- Region 8 (Africa, Europe, Middle East): 14.63



Submissions

- ▶ Number of Submissions: May 20, 2023 – Nov. 20, 2023 (~ **46%** increase as compared to the second half year of 2022)

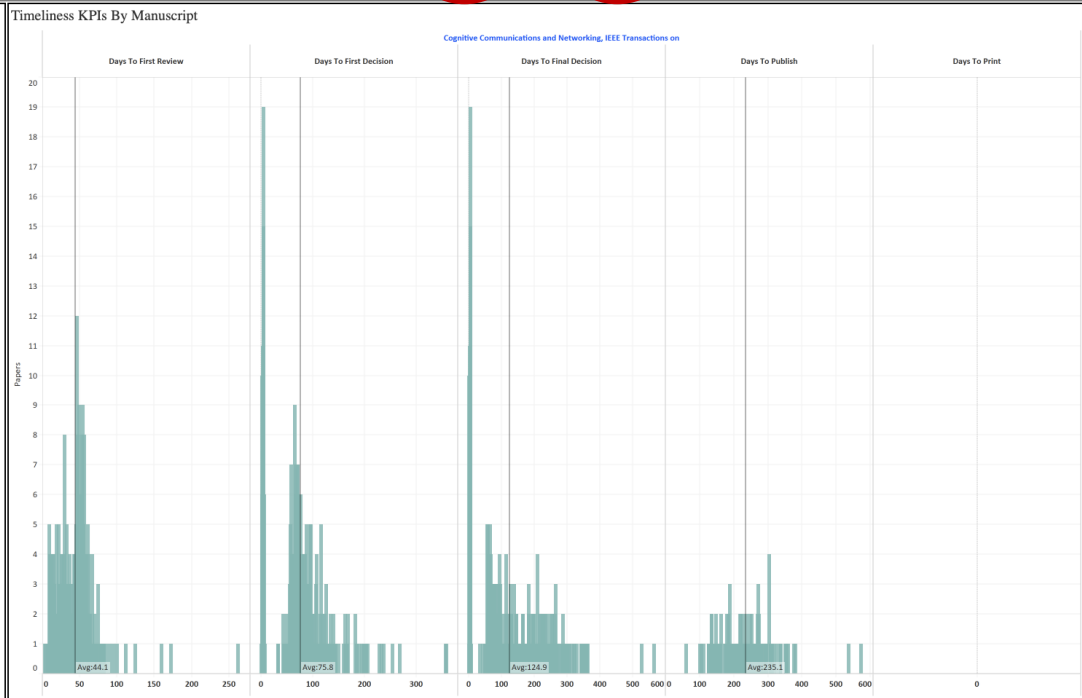
Manuscript type	Original	Revised	Total
Transactions Paper Submissions	276	141	417
Total	276	141	417

- ▶ Number of Submissions: Nov. 20, 2022 – Nov. 20, 2023 (~ **38%** increase as compared to the year of 2022)

Manuscript type	Original	Revised	Total
Transactions Paper Submissions	482	270	752
Total	482	270	752

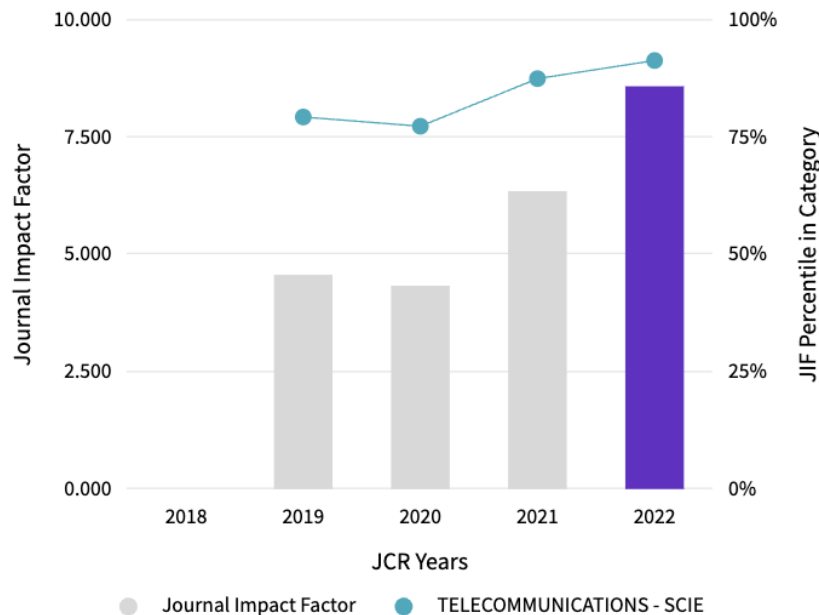
Acceptance Ratio and Timeliness Statistics

Publication Title	Papers	# Accepted	# Rejected	# Rejected in Prescreening (Technical Substance)	# Rejected in Prescreening (Other)	# Rejected Following Peer Review	Acceptance Rate	Avg. Days to First Decision	Avg. Days to Final Decision	Avg. Days to Publish	Avg. Days To Print
Cognitive Communications and Networking, IEEE Transactions on	323	111	212	2	67	143	43%	75.8	124.9	235.1	
Grand Total	323	111	212	2	67	143	43%	75.8	124.9	235.1	



TCCN Impact Factor

- The impact factor: **8.6** on JCR Report 2022, and **8.0** excluding self-citations
- Ranked **Q1** in Telecommunications (8/88), Artificial Intelligence, Computer Networks and Communications, Hardware and architecture; Among all IEEE publications: **27/170**



- **TCCN: IF 8.6; CiteScore 12.6**
- TCOM: 8.3; 13.6
- TVT: 6.8, 13.6
- TON: 3.7, 7.9
- **TWC: 10.4, 16.9**
- *TNSE*: 6.6, 8.7
- **IoTJ: 10.6, 17.4**
- *TGCN*: 4.8, 7.2
- *TMBMC*: 2.2, CiteScore 3.8
- *TNSM*: 5.3, 7.6
- **JSAC: 16.4, 25.4**
- LNET: n/a, n/a
- COMML: 4.1, 7.3
- WCL: 6.3 10.7
- TMC: 4.9, 8.8
- TPDS: 5.3, 9
- TCC: 6.5, 10

Special Issues

- ▶ **Symbiotic Communication: When Backscatter Communications Meet Cognitive Radio in the Era of IoT**
 - **CFP:** <https://www.comsoc.org/publications/journals/ieee-tccn/cfp/symbiotic-communication-when-backscatter-communications-meet>
 - **Important dates:**
 - Submission Deadline: 1 February 2024
 - Initial Decision: 10 April 2024
 - Revised Manuscript Due: 10 June 2024
 - Final Decision: 20 July 2024
 - Final Manuscript Due: 31 July 2024
 - Publication: Second Half 2024
- ▶ **Generative AI for Communications and Networking**
 - Will be ready around late Dec. 2023, targeting Q4 of 2024