
2025 SPCOM TC Annual Meeting

ICASSP 2025
April 9, 2025

Urbashi Mitra
SPCOM TC Chair

Agenda

1. State of the TC (Chair and Vice Chair)
2. SPAWC 2024 Presentation (**Slides ONLY**)
3. SPAWC 2025 Presentation (**Slides ONLY**)
4. SPAWC 2026 Presentation (**Presenters:** Nir Shlezinger)
5. Updates from the ISAC and SA Technical Working Groups (TWGs)
6. Future of TC (Chair and Vice Chair)

State of the TC

TC Membership (30 Total: 28 regular members; 1 vice chair; 1 chair)

Past Members

- Veronica Belmega, Yonina Eldar, Nuria Gonzalez Prelcic, Ana Pérez-Neira – thank you!

Re-elected Members

- Domenico Ciuonzo and Junil Choi were re-elected for their respective second terms (2025 – 2027)

New Members

- Giacomo Bacci, Yik Chung-Wu, Nicolo Michelusi , and Jing Yang (2025 – 2027) – welcome!

Past Chair

- Waheed Bajwa is now Past Chair (Vice Chair: 2021; Chair: 2022– 2024; Past Chair; 2025)

Vice Chair

- We need to elect a new Vice Chair in 2025

Chair

- That's me (Urbashi (Ubli) Mitra) (2025 – 2026)! and then Past Chair (2027)

TC Membership

2025 Member Elections

- There will be a total of six vacant positions for the term starting in 2025

Three other categories of TC members

- **Advisory members (max: 10; currently: 8):** Tim Davidson, Georgios Giannakis, Erik G. Larsson, Geert Leus, Björn Ottersten, Nikos Sidiropoulos, Ananthram Swami, and Wei Yu
- **Associate members (max: 15; currently: 7):** Arjun Anand, Apple, Ravikumar Balakrishnan, Intel Labs, Federico Boccardi, AWS, Jakob Hoydis, NVIDIA, Timothy O'Shea, DeepSig, Onur Sahin, Apple, and Yue Wang, Samsung
- **Affiliate members and student affiliate members**

Demographics of the TC Membership

30 Technical Committee Members, including Chair and Past Chair

- 5 women and 25 men
- 28 academia and 2 non-academia

Regional Breakdown

- North America: 8
- South America: 1
- Europe: 10
- Middle East: 2
- Asia / Pacific: 9

ICASSP Statistics

ICASSP 2015 (Brisbane)	75 accepted out of 153 submitted + 14 SPL papers	6.8% of ICASSP
ICASSP 2016 (Shanghai)	116 accepted out of 240 submitted + 9 SPL papers	9.0% of ICASSP
ICASSP 2017 (New Orleans)	72 accepted out of 146 submitted + 4 SPL papers	5.8% of ICASSP
ICASSP 2018 (Calgary)	80 accepted out of 171 submitted + 4 SPL papers	6.2% of ICASSP
ICASSP 2019 (Brighton)	71 accepted out of 153 submitted + 4 SPL papers	4.1% of ICASSP
ICASSP 2020 (Barcelona)	67 accepted out of 141 submitted + 5 SPL papers	3.6% of ICASSP
ICASSP 2021 (Toronto)	50 accepted out of 104 submitted + 2 SPL papers	2.9% of ICASSP
ICASSP 2022 (Singapore)	41 accepted out of 92 submitted + 2 SPL papers	2.4% of ICASSP
ICASSP 2023 (Rhodes)	72 accepted out of 154 submitted + TBN	TBN
ICASSP 2024 (Seoul)	91 accepted / 170 submitted + 4 (journal) + 2 (OJSP)	2.9% of ICASSP
ICASSP 2025 (Hyderabad)	72 accepted/163 submitted +2 (journal)	2.3% of ICASSP

SPAWC Statistics

SPAWC 2013 (Darmstadt, Germany)	158 accepted out of 237 submitted	184 attendees
SPAWC 2014 (Toronto, Canada)	102 accepted out of 121 submitted	132 attendees
SPAWC 2015 (Stockholm, Sweden)	140 accepted out of 207 submitted	178 attendees
SPAWC 2016 (Edinburgh, UK)	173 accepted out of 260 submitted	210 attendees
SPAWC 2017 (Sapporo, Japan)	178 accepted out of 256 submitted	268 attendees
SPAWC 2018 (Kalamata, Greece)	152 accepted out of 281 submitted	250 attendees
SPAWC 2019 (Cannes, France)	107 accepted out of 245 submitted	237 attendees
SPAWC 2020 (Atlanta, USA)	139 accepted out of 189 submitted	308 attendees
SPAWC 2021 (Lucca, Italy)	124 accepted out of 164 submitted (84 invited)	152 attendees
SPAWC 2022 (Oulu, Finland)	99 accepted out of 163 submitted (67 invited)	165 attendees
SPAWC 2023 (Shanghai, China)	128 accepted out of 163 submitted	166 attendees
SPAWC 2024 (Lucca, Italy)	194 accepted out of 273 submitted (100 invited)	245 attendees

2024 Nominations

Society Awards

- Two forwarded, however, not all seven categories considered
- DIS and DL nominations made, but did not go through
- Need to create/initiate nominations

Awards: Papers

- **Sustained Impact Paper Award:** Yiu-Tong Chan and K. C. (Dominic) Ho for their paper "*A Simple and Efficient Estimator for Hyperbolic Location.*"
- **Donald G. Fink Overview Paper Award:** J. Andrew Zhang, Fan Liu, Christos Masouros, Robert W. Heath, Jr., Zhiyong Feng, Le Zheng, and Athina Petropulu for their paper "*An Overview of Signal Processing Techniques for Joint Communication and Radar Sensing.*"
- *Magazine, Letter, Best Paper, Young Best Paper nominations not successful*

Congratulate our TC members!

- Kumar Vijay Mishra has been awarded the Pierre-Simon Laplace Early Career Technical Achievement Award.
- Yonina Eldar and Nir Shlezinger are co-authors on a Young Author Best Paper Award.
- Yonina Eldar is co-author on the Signal Processing Magazine Best Paper Award.
- Yonina Eldar and Ya-Feng Liu are co-authors on a Best Paper Award.

Committee Assignments for 2025

YIKES!

Upcoming Schedule for 2025

- (missed) updating EDICS due April
- Nominations and voting for Distinguished Lecturer & Distinguished Industry Speaker (SPS Deadline: May 31)
- SPAWC 2025 reviewing (May to June)
- Nominations and voting for all non-paper SPS awards (June to August)
- Scan reviews for Best Paper and Young Author Best Paper awards (May to June)
- Nominations, award-level reviews, and voting for all paper awards (June to August)
- ICASSP 2026 reviewing (September to November)
- Membership nomination and elections (October to November)
 - Need Vice Chair candidates!

Bringing AI into SPAWC: Name Change for SPAWC

Name change is a done deal – thank you to Waheed for shepherding this through

2025 IEEE 26th International Workshop on Signal Processing and Artificial
Intelligence for Wireless Communications (SPAWC)



SPAWC 2024 Slides ONLY

SPAWC 2025 Slides ONLY

SPAWC 2026 Presentation

SPAWC 2027

Official submissions via SPS portal: October 2025

- Korea
- Rio de Janeiro
- Hangzhou or Shanghai
- Phoenix
- Shenzhen
- Germany?
- **April 11 (Friday) 8:45am MR 1.09**
 - How to run an SPS workshop



The screenshot shows the IEEE Signal Processing Society website's 'Conference Resources' page. The top navigation bar includes links for 'OUR STORY', 'PUBLICATIONS & RESOURCES', 'CONFERENCES & EVENTS', 'COMMUNITY & INVOLVEMENT', and 'PROFESSIONAL DEVELOPMENT'. The main content area is titled 'Conference Resources' and includes a breadcrumb trail: 'Home » Conferences & Events » Conference Resources'. A sidebar on the left lists 'CONFERENCES & EVENTS' with sub-links: 'Upcoming Conferences & Events', 'Conference Portfolio', 'Organizer Resources', 'Call for Papers', 'Call for Proposals', and 'Request Sponsorship'. The main text area is titled 'Conference Resources' and contains the following text: 'As an IEEE Signal Processing Society conference organizer, you focus on promoting emerging technologies, bridging the gap between research and development and engineering and implementation, and building and engaging a strong signal processing professionals.' To the right of this text is a section titled 'Conference Proposal Information' with the following links: 'View Open Call for Proposals', 'ICIP Proposal Guidelines', 'ISBI Proposal Guidelines', 'Request ICASSP or ICIP Information for your Proposal', and 'Submit a Proposal Prescreening Form for an Open Call'.

Updates from Technical Working Groups (TWGs)

Integrated Sensing and Communications TWG

- 11 Special Issues
- 11 workshop series
- 1st edition of the dedicated ISAC workshop across SPS – ComSoc - AESS
- the dedicated ISAC conference being setup
- a number of tutorials and keynotes on the topic
- 1 dedicated dataset platform

Synthetic Aperture TWG

- 1+ 2 Special Issues
- 12 webinars
- 3 ICASSP workshops
- 5 tutorials
- 1 summer school

Future of TC – Action Items

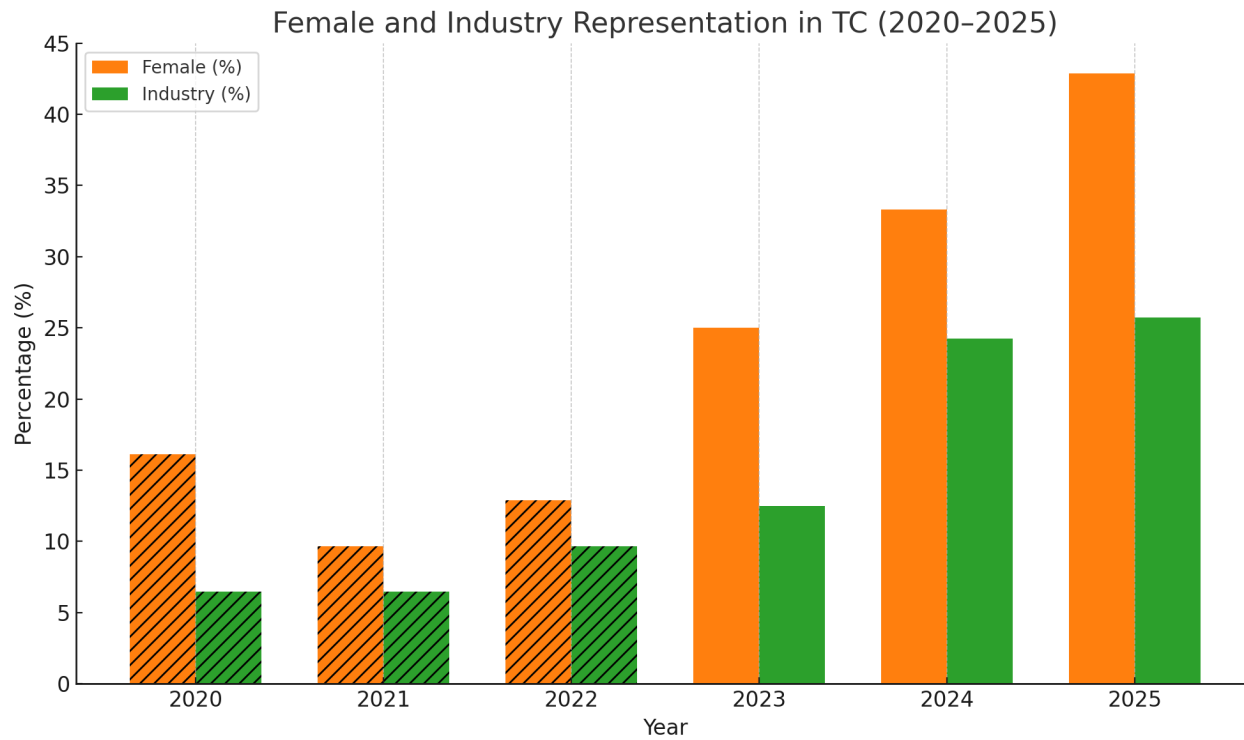
- Restructuring our TC election process
- EG MMSP (used since 2022)

3 key components:

- **Multiple criteria:**
 - Past experience of the candidate
 - Degree of diversity the candidate can bring to the TC
 - Alignment of the candidate with TC strategy and potential to contribute
- **5-level rating scale instead of binary preference/approval**
- **Score justification if rating ≤ 2**
 - Similar to paper review questions

The overall score of a candidate is the average of the three above scores

Impact of new MMSP voting strategy



Future of TC – Action Items

- EG SAM
 - Nominations from “encouraged” categories (meaning female, industry/laboratory or from an under-represented region) are especially sought by the Chair, Vice-Chair, and the Nominations & Appointments Committee. If the TC Chair is unsatisfied with the number of encouraged- category nominations, he or she will specifically promote these.
 - The SAM-TC has implemented a “two-step” election procedure to encourage diversity
 - Let us assume there are M (generally $M=12$) open slots on the SAM committee, meaning that M new or returning members will be elected.
 - Let us further assume that there are $N=P+Q$ nominations, where P of these are from encouraged categories and Q that do not fit any encouraged category.
 - Now, if Q is less than or equal to M , then election proceeds in one stage, with a slate of all N candidates.
 - On the other hand, if Q exceeds M , then a first round of election selects M from these Q by vote from the current TC members. The second round of election decides by vote between a slate of these M and the P “encouraged” candidates.
 - SAM intends by this process to encourage diversity while not “forcing” the TC members to choose a candidate from a particular sub list.

Reclaiming ML for SPCOM papers

- IDEAS?
- MSLP growing without bound
 - Many papers have a better TC home

SPS Magazine & Other Opportunities

- Opportunity for each TC to write a perspective column
 - Where is the area going?
 - What are the hot topics?
 - Etc.
 - Volunteers to work on such a document? (email me)
- SPCOM Webinars
 - Under umbrella of new initiatives