
2023 SPCOM TC Annual Meeting

ICASSP 2023
June 7, 2023

Waheed U. Bajwa
SPCOM TC Chair

Agenda

1. State of the TC (Chair and Past Chair)
2. SPAWC 2023 Presentation
 - **Presenters:** Zhi Tian, Geert Leus, etc.
3. SPAWC 2024 Presentation
 - **Presenters:** Luca Sanguinetti and Emil Björnson; VIRTUAL
4. SPAWC 2025 Planning (Chair and Past Chair)
5. Subcommittee Reports
 - **Presenters:** Rodrigo de Lamare (Awards; VIRTUAL), Domenico Ciunzo (Special Issues / Special Sessions; VIRTUAL), Nuria Gonzalez Prelcic (New Initiatives; VIRTUAL), Jun Zhang (Nominations & Elections), Mark Eisen (Industry & Government), Roula Nassif (Website)
6. Updates from Technical Working Groups (TWGs)
 - **Presenters:** Rodrigo de Lamare (ISAC-TWG; VIRTUAL); Dr. Ahmet Elbir (SA-TWG; VIRTUAL),
7. SPCOM TC 2023 Review and Discussion on the Future of TC (Chair and Past Chair)

State of the TC

TC Membership

Past Members

- Tareq Al-Naffouri, Emil Björnson, Laura Cottatellucci, Mingyi Hong, Kaibin Huang, Tony Quek, Luca Sanguinetti, and Christoph Studer completed their second terms in 2022
- Lingjia Liu and Shaofeng Zou completed their first term in 2022 and decided not to be nominated for a second term
- Itsik Bergel completed his first term in 2022, but had to be rotated out as per the SPCOM TC Bylaws
- Elisabeth de Carvalho decided to leave the TC before completing her second term in 2023

Past Chair

- Osvaldo Simeone completed his two years as the SPCOM TC Chair and has transitioned to the Past Chair role

Re-elected Members

- Rodrigo C. de Lamare, Tsung-Hui Chang, Ya-Feng Liu, David Morales, and Jun Zhang were re-elected for second terms

New Members

- Ahmed Alkhateeb, Mark Eisen, Deniz Gunduz, Elvin Isufi, An Liu, Kumar Vijay Mishra, Nassif Roula, Nir Shlezinger, Christos Thrampoulidis, and Shang-Ho Lawrence Tsai were elected for first terms

TC Membership

2024 Member Elections

- There will be a total of seven vacant positions for the term starting in 2024

Three other categories of TC members

- **Advisory members:** Tim Davidson, Georgios Giannakis, Joakim Jalden, Erik G. Larsson, Geert Leus, Zhi-Quan (Tom) Luo, Björn Ottersten, Nikos Sidiropoulos, Ananthram Swami, John Treichler, Alle-Jan van der Veen, and Wei Yu
- **Associate members:** 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

29 Technical Committee Members, including Chair and Past Chair

- 6 female and 23 male
- 26 academia, 2 industry, and 1 government
- 7 IEEE Members, 15 IEEE Senior Members, and 7 IEEE Fellows

Regional Breakdown

	<u>TC - 2023</u>		<u>Society – 30 Nov 2022</u>	
Region 1:	1	3.45%	1,057	5.66%
Region 2:	1	3.45%	913	4.89%
Region 3:	1	3.45%	617	3.30%
Region 4:	0	0%	494	2.64%
Region 5:	0	0%	666	3.57%
Region 6:	2	6.90%	1,769	9.47%
Region 7:	2	6.90%	462	2.47%
Region 8:	12	41.38%	4,334	23.20%
Region 9:	1	3.45%	449	2.40%
Region 10:	9	31.03%	7,915	42.37%
TOTAL:	29		18,680	

ICASSP Statistics

ICASSP 2014 (Florence)	205 accepted out of 387 submitted + 5 SPL papers	11.6% of ICASSP
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

SPAWC Statistics

SPAWC 2012 (Cesme, Turkey)	119 accepted out of 171 submitted	124 attendees
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)	TBN accepted out of 175 submitted (67 invited)	123 attendees

2022 Nominations

Awards: 7 TC nominations – 3 winners

- Claude Shannon-Harry Nyquist Technical Achievement Award (Nicholas Sidiropoulos)
- Donald G. Fink Overview Paper Award (Tensor Decomposition for Signal Processing and Machine Learning)
- Best Paper Award (Stability Properties of Graph Neural Networks)

“Indirect” Awards

- Pierre-Simon Laplace Early Career Technical Achievement Award (Mingyi Hong)
- Best PhD Dissertation Award (Elvin Isufi)
- Best Paper Award (Learning to Optimize: Training Deep Neural Networks for Interference Management)

Distinguished Lecturer and Distinguished Industry Speaker

- Gesualdo Scutari (DL)
- Jakob Hoydis (DIS)

Upcoming Schedule for 2023

- Award nominations (NOW)
- Award voting and submissions (July to August)
- SPAWC 2025 proposal(s) (NOW)
- Proposals for ICASSP 2024 activities (NOW)
- ICASSP 2024 reviewing (September to November)
- Membership and Vice Chair elections

SPAWC 2023 Presentation

SPAWC 2024 Presentation

SPAWC 2025 Planning

Subcommittee Reports

Updates from Technical Working Groups (TWGs)

SPCOM TC 2023 Review and Discussion on the Future of TC

Discussion Items

- Name and scope of SPAWC
- Scheduling of SPAWC
- Other discussion items