



State of the Society

Presented by **Min Wu**President, IEEE Signal Processing Society

ICASSP 2024 | Seoul, Korea





Welcome to ICASSP Week 2024!







A Flagship Conference of the IEEE Signal Processing Society

A Journey over **12 years** of **Vision, Teamwork, and Perseverance**



Big Thank You to ICASSP 2024 Organizing Committee





Hanseok Ko Monty Hayes





John Hansen General Chair General Co-Chair Tech. Program



Finance Chair



Tae-Jin Yoon Jong Won Shin Sang Min Yoon Finance Chair





Operations Chair



Sanghoon Lee Industry & Exhibit Chair



Chanwoo Kim Tech. Program Vice-Chair



Inkyu Lee Tech. Program Vice-Chair



Okim Kang Tech. Program Vice-Chair



Bohyung Han Tech. Program Vice-Chair



Tech. Program Vice-Chair



Zheng-Hua Tan Osvaldo Simeone Tech. Program Vice-Chair



Jing Huang Tech. Program Vice-Chair

and many more contributors ...



Big Thank You to ICASSP 2024 Organizing Committee

























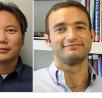














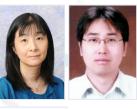






























































Celebrating Milestones





- > 75th SPS anniversary year in 2023
- > Record high member# in Feb. 2024:

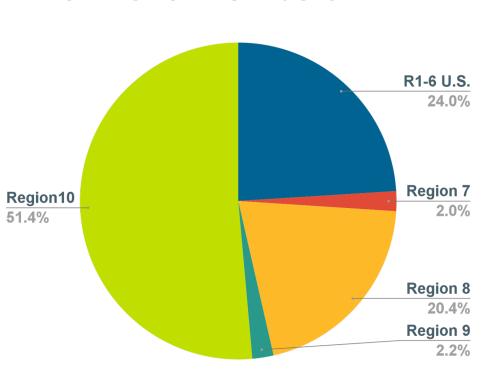
23,293

SP innovators, pioneers, and current & future leaders!

IEEE members are also growing: **474** K+ in Feb. '24. Student members 181 K+; Society members 382 K+



23K+ SPS Members





Grown 20% from 2023 to 2024



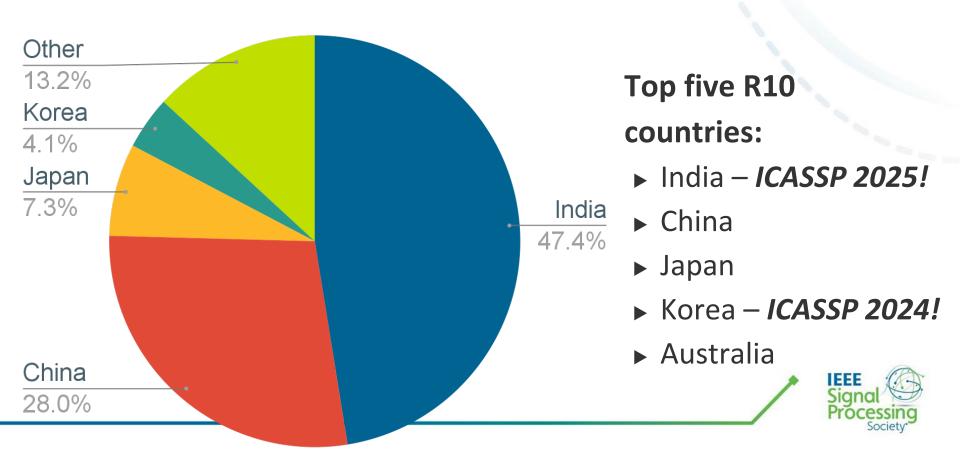
Top 3 countries account for **60%** of SPS membership:

- ▶**India** 5,682 (Students ~4K + GSM 377)
- **▶U.S.** 5,596 (S+GSM ~614)
- ► China 3,351 (S+GSM ~1600)
- ▶ Japan (871), Germany (676), UK (568)
- ▶In 400-500s: **Korea** (497), Canada, France, Italy

R1-6 US	R7 Canada	R8 Euro-Africa	R9 Latin Am	R10 Asia- Pacific	Total
5,590	473	4,749	504	11,977	23,293

Region 10: A closer look





Road to SPS 100: 2024 → 2048



- > Envisioning the challenges and opportunities of the next 25 years
- Work together as a global community to make our shared professional home better for all
- "IEEE 2050" Vision shaped in '22
 https://www.ieee.org/about/corporate/ieee-in-2050.html

What are our Centennial Aspirations? How to prepare/achieve?

- Aspiring size of membership; value, benefits & engagement for members
- Outcome of our roles in advancing SP as an evolving field



Strategic Vision



Aims to create **an inclusive, open-minded, and collaborative environment** that serves as the **professional home** for all members' career development and promotes **technical excellence and technological & societal impact**

Lead

in technical excellence and expand scientific knowledge in new areas

Increase

engagement of industry & early-career members and cultivate volunteer development

Develop

high-quality professional educational training to support life-long learning

Evolve

our organizational structure to meet current and future challenges

Foster -

diversity, inclusion, and fairness for members & volunteers

Share your thoughts to shape our plan & actions together

Promoting Diversity, Belonging & Inclusive Excellence



Many **Dimensions** of diversity in our **Global Community**

- Gender | Ethnicity / Race
- Geographic Area | Age / CareerStage
- Career Sector | Technical Area; ...
- Tech. Flavor (theory, algorithm design, practical systems/products); ...

Events at SPS conf. and year-round committee efforts

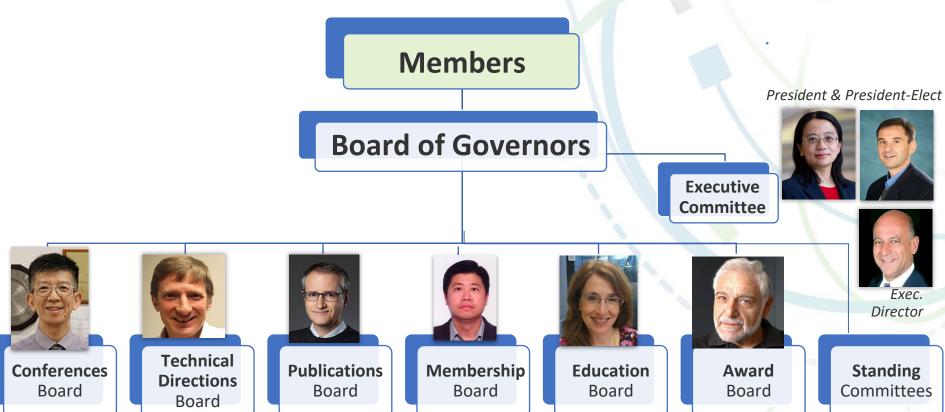
- Micro-Mentoring | Career Fair
- WISP for Women & supporters
- Young Professionals | Entrepreneurs
- PROGRESS Academic Career Panel ...

- New Fellow Search Committee (FSC) underway:
 - Support promising candidates thru mentoring;
 improve nomination quality
 - Increase # of high-quality nominations in underrepresented areas
- Longer-term career development and peer mentoring

To All IEEE
Fellows in SPS:
Join force to
support our
colleagues!

SPS: Under the Hood





Thank you for your service!







Athina Petropulu President 2022-2023



Ana Isabel Pérez-Neira
Vice President-Conferences
2021-2023



Marc Moonen
Vice President-Publications
2021-2023

And retiring Regional Directors and Members of Board of Governors, Editors-in-Chief, TC Chairs, past conference chairs, and many editors and committee members, as the world recovers from COVID-19

IEEE Signal Processing Society Staff





Rich Baseil **Executive Director**



Theresa Argiropoulos *Director, Operations*



- **Deborah Blazek,** Senior Admin, Governance & Awards
- **George Olekson,** Chapter & Operations Associate
- **Jessica Perry**, Member Communications & Experience Specialist
- **Jaqueline Rash**, Membership Program & Events Administrator



- Alisa Abraham, Strategic Conference Manager
- **Nicole Allen,** *Senior Conference Administrator*
- Samantha Esposito, Conference Administrator
- **Dena Watkins,** *Marketing Analytics Manager*





William Colacchio Senior Manager,

Publications & Education

- Rupal Bhatt, Web Administrator
- **Breanna Cameron,** *Peer Review & Educ Prog Administrator*
- Michelle Demydenko, Education Program Manager
- Nanette Januszkiewicz, Peer Review/Educ Prog Administrator
- Mikaela Langdon, Peer Review/Educ Prog Administrator
- Rebecca Wollman, Senior Pub Peer Review Support Specialist





Industry Engagement



- Exploring organizational structure to facilitate company engagement and career development of industry members
- Industry programs during the ICASSP Week 2024
 - Industry plenary, spotlight talks & colloquia
 - Industry exhibits & workshops
 - Student job fairs and student-industry luncheon
 - Entrepreneur forum

ICASSP 2024 Industry Program Chairs

Sanghoon Lee
Jiwoo Kang
Taewan Kim
Shoko Araki Siqi Cai
John Apostolopoulos
Eliathamby Ambikairajah







Growing educational portfolio at SPS

• SigPort: post your slides & posters



- Resource Center: video talks & tutorials
- Mentoring activities: micro mentoring @ ICASSP/ICIP
- Short courses: 3rd year @ ICASSP
- **Curation**: SP course weblinks, textbooks, lecture material, etc.



Educational Short Courses at ICASSP 2024

Visit the registration desk to sign up!



In-depth & multi-facet understanding of a topic

- ▶ **10-hour courses** in three sessions (Wednesday-Friday)
- ► Hands-on experience and deep dive into topic areas
- Professional develop. certificate (PDH) for training hours
- Also on-demand @SPS Resource Center (w/ member discount)

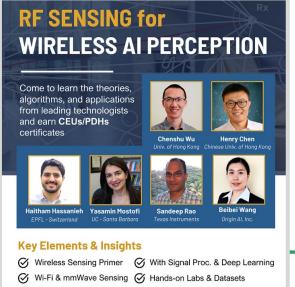
Thank you to all course instructors, SPS Edu Board, and contributors!

Seasonal School & Short Course Chairs

Seungjin Choi Minje Kim

Hyungmin Park









Renew Membership & Recruit New Members



Accessible pricing for our growing membership to Developing Nations, Low-Income Economies and Students

Essential	Preferred	Developing	Low Income	
Membership	Membership	Nations	Economies	
US\$22	US\$39	US\$11	US\$4	
/year	/year	/year	/year	

- Low membership fee for student and graduate student members
- Visit the IEEE website for <u>list of eligible countries</u>; Discounted Society pricing available only to IEEE electronic members on Society *essential package*



Benefits for SPS Members



- Build your professional network, receive recognition, and advance your career
- ▶ Amplify and Be part of signal processing R&D, mission & impact
- ▶ IEEE Signal Processing Magazine
- Access to the info. and experts of the latest signal processing research & technologies
- Discounts on SPS conferences
- Access to SPS continuing education materials
- Mentoring program, networking, and professional development events
- Scholarship, grants, and resources for students,
 young professionals, women, practitioners, etc.









June 2 spsday.ieee.org





- ► Celebrating the SPS Birthday → Formed 2 June 1948
 - Global celebrations since '23 inaugural for SPS impact, history, and communities by members/chapters
- Organize SPS Day event for 2024 around you
 - Hold events two weeks before/after 2 June tagged #SPSDay
 - Submit pictures of your event in the SPS-Day Photo Contest





Stay in touch with SPS





Share your experience using the conference hashtag:

#ICASSP2024

Follow @ieeelCASSP on Facebook and Twitter for more news about ICASSP 2024 and beyond!





SPS ExCom 2024: Looking Forward to Serving You





Min Wu President



Kostas N. Plataniotis

President-Elect



Alle-Jan van der Veen Vice President-Technical Directions



Haizhou Li *Vice President-Conferences*



Roxana Saint-Nom Vice President-Education



Kenneth Lam *Vice President-Membership*



Antonio Ortega

Vice President-Publications



Rich Baseil

Executive Director





Thank you! Enjoy your time at ICASSP 2024!







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