IEEE SPS ISAC Technical Working Group
Annual Meeting in ICASSP 2023
June 8, 2023

Meeting minutes

Attending TWG members: Tsung-Hui Chang (Chair), Christos Masouros (Vice Chair), Visa Koivunen, George C. Alexandropoulos

TWG Members not present: Maria Sabrina Greco, J. Andrew Zhang, Fan Liu, Rodrigo C. de Lamare, Jonathan Manton, Nuria González Prelcic, Waheed U. Bajwa, Stefano Buzzi, Xiangrong Wang, Marco Lops, Feng Yin, Yiming Zhang

Minutes are written by Tsung-Hui Chang on June 22, 2023

1. Tsung-Hui briefly reviewed the development of the TWG
   a. Started in Jan 2022 and affiliated with SPCOM. All members' term starts from Jan 1, 2022, to Dec 31, 2024 (3-year term).
   b. Due to the requirement of replacing 1/3 of the members in the first two years, last November we had a re-election for 1/3 of the committee members. Election for another 1/3 of new members and a new Chair will be held this year.
   c. Achievements in the last year include successful webinars, newsletters, and more than three dozen of tutorials/workshops/special sessions in major SPS/ComSoc conferences, and special issues in major SPS/ComSoc journals, and one summer school is held this June led by Nuria. It is noted that some workshops led by our members have been held consecutively for more than 2 years.

2. Discussions
   a. Discussion on the plan in 2023
      - Tsung-Hui outlined some potential activities for the next half of the 2023 year.
        • The SPS-ComSoc ISAC webinars will be continued and are currently planned by Fan Liu
        • A summer school is organized by Tsung-Hui Chang, Fan Liu, and Feng Yin this August in Shenzhen, China
        • Given much evidence which shows ISAC is one of the major research directions in SPS and ComSoc, it is time to move forward with EDICS. Christos says that the key is to provide evidence and we already had many special sessions/special issues and workshops about ISAC.
        • ICASSP 2024 is calling for proposals for Special Session, and TWG members are encouraged to submit them. Tsung-Hui said that he will prepare one.

- Election for 1/3 new members and election for the new Chair will be held by this November.

b. Discussion on how to work more coordinatively

- Tsung-Hui suggested forming sub-working groups with leaders who could focus on different areas and events and remind our members whenever there are opportunities to join or work together for them.
  - Christos suggested getting in touch with people in ComSoc ETI groups since they already have similar structures, and we can invite them to our TWG as affiliated members to avoid duplication.
  - George made a comment on providing the structure on the different directions of ISAC to help identify certain opportunities. However, this may create a problem of conflict when there is competition between groups. Therefore, more efforts are needed to resolve the problem.

- Visa suggested collaborating with industries and working on pre-standardization studies.
  - Tsung-Hui pointed out that it will be good if someone can follow and share industrial development and perspectives with other TWG members since it can help bridge and shorten the gap between academia and industry.
  - Christos mentioned that there are some pre-standardization groups in 3GPP.
  - George said academia can provide good algorithms and mechanism designs to the industry and he is willing to follow up on the industrial development.

- Tsung-Hui suggested regular meetings with sub-working group chairs to push for more progress and activities.

c. Discussion on new perspectives for ISAC special issues and workshops

- Tsung-Hui pointed out that we need to provide new perspectives for the special sessions/special issues/workshops to continuously draw people's attention. The current ones have a broad scope.
  - Visa, Christos, and George agree that we can have some more specific topics with different aspects, for example, learning methods for ISAC, sensing via different means such as radar and laser, and ISAC for something, which can improve diversity.

- Christos asked about how should we collaborate with radar society (AESS).
  - Tsung-Hui mentioned Maria's proposal about working together on a joint workshop.
  - Visa said that we can consider starting with an MoU, and Christos said that we can have some special sessions and workshops together, though we have some already.
  - Tsung-Hui said that we can call a meeting after the ICASSP.
  - Christos and Visa further asked about possible collaborations with people working on optical and computer vision, respectively. Christos mentioned that ComSoc ETI is also trying to work with the computer

vision society.
- Christos asked about how should we collaborate with radar society (AESS).

d. Discussion on the future development of TWG
    - Christos asked about what will happen after the 6-year life of the TWG. Will it merge with some TC or another working group?
- Tsung-Hui said there is no answer from the bylaws and no earlier example, but we may track back the history of the current TCs to see how they were established.
- Visa and Christos mentioned that we could do something (e.g., proposing to upgrade to a TC) earlier rather than waiting for the end of the 6 years.
- All suggest actively proposing special sessions for SPS conferences as evidence to support the future development of the TWG.