Meeting Minutes IEEE SPS Synthetic Aperture Technical Working Group
05 December 2024

1. **Attendees:**
   Members: Kumar Vijay Mishra (Chair), Ahmet Elbir (Vice-Chair), Shobha Sundar Ram, Arpan Chattopadhyay, Sekhar Sekharan, Subhanshu Gupta, and Samuel Pinilla.

   Guest: Vishal Saxena.

2. **Presentation:** Arpan Chattopadhyay (Indian Institute of Technology, Delhi) delivered a presentation on "Design and detection of controller manipulation attack on RIS-assisted communication". Follow-up questions were posed by Ahmet, Shobha, and Sekhar.

3. **Book announcement**: Vijay announced editing a book titled *Signal Processing for Synthetic Apertures* next year. TWG members are welcome to submit their chapters after discussion with Vijay.

4. **Pre-Conference ICASSP Workshop:** The TWG discussed the ongoing preparations for the pre-conference workshop at ICASSP 2025. The organizing committee has shortlisted the speakers and the venue. The webpage is live now: https://2025.ieeeicassp.org/delhi-sp-ml-pre-conference-workshop/ The funding proposal is also complete.

5. **Summer School:** Proposal for a summer school at ICASSP 2025 was reviewed. Cijay and Shobha have submitted the respective proposals to SPS and ONR, respectively.

6. **ICASSP Satellite Workshop:** Samuel has shortlisted the speakers for the satellite workshop he is organizing during ICASSP 2025. The webpage is live now: https://sites.google.com/view/saciworkshop/home

7. **AP-RASC 2025 Call for Papers**: Vijay informed the members that the call for papers is open for URSI AP-RASC Commission C: https://ap-rasc.com/home.php

8. **T-CI Special Section Call for Papers:** Vijay announced that paper submission is now open for the IEEE T-CI Special Section on Computational Imaging using Synthetic Apertures. TWG members are encouraged to promote and submit papers to this special section.

9. **Special Issues:** The TWG discussed ongoing and potential future special issues proposed by its members.

10. **Webinars:** Vijay updated the TWG on the webinar schedule. The TWG organized a webinar by Namrata Vaswani (Iowa State University), this week. Webinars by M. R. Bhavani Shankar (U of Luxembourg) and Gonzalo Arce (University of Delaware) are planned for coming weeks.

11. **Industry/Government Liaison:** Sekhar shared suggestions to increase industry participation.

12. **New Initiatives:** Members discussed dissolving or merging this subcommittee with other subcommittee or create a new subcommittee that focuses on a specific technical area of TWG interest.

13. **SASC Updates:** SASC Chair Peter did not attend the meeting. Vijay advised members to

monitor SASC emails for further updates.

14. **TWG Review:** Vijay asked the members to provide suggestions for future activities and growth of TWG.

15. **Outgoing Chair:** Vijay thanked the members for their cooperation and will schedule a separate meeting with incoming Chair Ahmet and Vice-Chair Samuel to explain some TWG-related logistics.

16. **Next Meeting:** The next meeting will be scheduled by the new Chair in 2025.