IEEE Signal Processing Society

Synthetic Aperture Standards Committee

Meeting Minutes for Wednesday, July 20, **3:15p - 4:15p ET** via teleconference

Recorded by Aly Artusio-Glimpse, NIST

1. Called to Order at 3:16 p.m. ET
2. Introduction and Affiliation Declarations completed
   1. Quorum [established](https://ieee-sa.imeetcentral.com/p/aQAAAAAE9rgy)
3. Motion #1: Approval of [Agenda](https://ieee-sa.imeetcentral.com/p/aQAAAAAE9rcJ)
   1. Moved by: James Gilb, GA-ASI
   2. Seconded by: Dave Michelson, UBC
   3. Discussion: None
   4. Result: Unanimously approved
4. Motion #2: Approval of [March 9 Meeting Minutes](https://ieee-sa.imeetcentral.com/p/aQAAAAAE9rft)
   1. Moved by: James Gilb, GA-ASI
   2. Seconded by: Dave Michelson, UBC
   3. Discussion: None
   4. Result: Unanimously approved
5. IEEE SA Policies presented by Peter Vouras, US DOD
   1. [Call for Patents](https://mentor.ieee.org/myproject/Public/mytools/mob/slideset.pdf)
   2. [Copyright Presentation](https://standards.ieee.org/wp-content/uploads/2022/02/ieee-sa-copyright-policy.pdf)
   3. [Participant Behavior Presentation](https://standards.ieee.org/wp-content/uploads/import/documents/other/Participant-Behavior-Entity-Method.pdf)
6. Discussion Topics: [Presentation](https://ieee-sa.imeetcentral.com/p/aQAAAAAE9reM) given by Peter Vouras, US DOD
   1. Review of the following published standards
      1. IEEE Standard 149-2021 ***IEEE Recommended Practice for Antenna Measurements***
      2. IEEE Standard 1720-2012 ***IEEE Recommended Practice for Near-Field Antenna Measurements***
   2. Considered gaps in these standards where the SASC could make a contribution using synthetic aperture techniques, e.g., opportunities in
      1. New or emerging technologies, such as Intelligent Reflecting Surfaces (IRSs)
      2. Near-field phaseless measurements
      3. In-situ measurements corrupted by extraneous scattering
      4. Errors induced when a non-planar wavefront propagates across a large planar synthetic aperture. Large apertures are necessary to provide high angular resolution.
7. New Business
   1. None
8. Future Meetings
   1. Next meeting in September (7th or 14th are expected).
9. Motion #3: Adjourn early at 4:06 p.m. ET
   1. Moved by: Dave Michelson, UBC
   2. Seconded by: James Gilb, GA-ASI
   3. Result: Unanimously approved