

**Quarterly Meeting for the American Meteorological Society (AMS)
Committee for Satellite Meteorology, Oceanography and Climatology Meeting
Minutes**

Time: 2:00-3:30pm EST

Date: November 9th, 2022

1. Meeting Participants

The following members participated in the AMS Satellite Meteorology, Oceanography and Climatology (SatMOC) Committee meeting and video conference on Tuesday, August 9th 2022.

Name	Affiliation	Email Address
Jason Apke	CIRA/CSU	jason.apke@gmail.com
Sara Tucker	Ball Aerospace	sara.tucker4ea@gmail.com
Kathryn Shontz	NOAA	kathryn.shontz@noaa.gov
Jingli Yang	ERT	jingliyang@ertcorp.com
Gary McWilliams	NOAA	gary.mcwilliams@noaa.gov
Stephanie Ortland	UW/CIMSS	sbradshaw@wisc.edu
Mitch Goldberg	NOAA	mitch.goldberg@noaa.gov
Mark Muholland	NOAA	mark.mulholland@noaa.gov
Jingli Yang	ERT	jingliyang@ertcorp.com
Jun Wang	Univ. of Iowa	jun-wang-1@uiowa.edu

2. Agenda

- Welcome

K. Shontz Welcomed everyone to the meeting.

- Action Review

Committee members have been and can further evaluate DEI Idea Register Actions, which is a Google Doc that can be found here: <https://docs.google.com/document/d/1Ue7TGJAboeDxHW0dmwAvwPly-aFUnWOanYIZRcnJoyw/edit>

Members should include ideas on how we can bring DEI to future conferences

We are looking to identify how we get underrepresented groups involved in leadership roles, including organizing conference sessions and the conferences themselves.

K. Shontz described key areas which SATMOC is working on improving DEI, including Chairing conference sessions, Organizing Conferences and Conference Sessions, bringing in new representation to the SATMOC Committee, offering DEI Training, Mentoring, and Speed Networking.

J. Apke recommended adding more and cheaper hybrid participation options and how that can reduce common cost-related barriers to attending AMS meetings. The Committee can start taking advantage of technological advancements in remote participation allowing commonly underrepresented groups to join more meetings.

P. Ardanuy has added a couple smallsat sessions under OESS. JCSDA has reconfigured a bit but has not fully deconflicted with Bob Atlas and his team, more work to be done there.

SATMOC discussed a thematic day being built in, showing what it looks like to have a value chain through a system. That was something we worked on last time, but we are too late in the 2023 conference planning. We have reached out to G. McWilliams and are figuring out a way to put that together. G. McWilliams recommended bringing up the thematic day in the 2024 meeting when planning starts in February 2023.

- Conference planning updates for the AMS Annual Meeting
 - OESS (Gary)

G. McWilliams: This year we will have 28 oral sessions (the most we have ever had), 3 panel discussions, 4 poster sessions. This year will require two meeting rooms on

Monday/Wednesday, and three meeting rooms on Thursday. This year, we will have two sessions on international program reviews on Tuesday morning. The sessions will include key notes from Dr. Steve Volz, as well as Dr. Ken Holmlund who will be retiring soon. We want to recognize Ken's contributions to EUMETSAT and WMO. In addition to the symposium, there will be a short course on Sunday from 8 am to 3:30 pm titled "JPSS and GOES-R, Making Beautiful images of NOAA satellite data using Python." Limited to 100 participants, hybrid course, 50 hybrid, 50 in person. Registration fees were reduced with a Lockheed Martin sponsorship.

There will also be Speed Mentoring on Monday evening for students and early career professionals, with sponsors funding food and drinks for participants. You can sign up now for the speed mentoring here:

<https://annual.ametsoc.org/index.cfm/2023/program-events/net-working-and-events/events/annual-speed-networking-event-9spne/>

M. Muholland brought up that it would be good to keep track of Speed Networking alumni who are now out in the workforce for 5 years or so to bring back as mentors. Perhaps new people can provide new advice as mentees.

Finally, Tuesday at lunchtime- there will be a Town Hall on working with transitions of research to operations, and how we can use drones to fill in data gaps of satellite observations. G. McWilliams is working to get sponsors for box lunches.

M. Goldberg: Vernon Dvorak passed away last September, he was the father of satellite research in estimating winds and strength of observed hurricanes. After discussion with AMS, we identified that it is too late to have a named 2023 session in his honor, though planning should cover this for the 104th AMS annual meeting. K. Shontz also mentioned that we can have

something mentioned at the AMS presidential address, a few key notes.

***Action item:** (K Shontz, M. Goldberg) Submit talking points to highlight Vernon Dvorak in the AMS presidential address for the 103rd meeting.*

***Action Item:** G. McWilliams: Plan on having a named session for Vernon Dvorak for the 2024 AMS meeting.*

- o JCSDA symposium (Jim)

***Action Item:** JCSDA- J. Yoe: please add any additions to JCSDA updates.*

- o Conference alignment for AMS Annual meeting - drafting a consistent thematic day/Panel discussion (Sara)

S. Tucker: Idea we had talked about for the theme of a day was the life of a data bit. What is the need? What is the observation? How can we improve the forecast? A diagram was shared related to the data bit chain, including key areas such as what observations are needed to help a forecast, What hardware implementation is needed to get those observations, what satellite builds and launches are needed, what ground station and data centers are needed, what data processing and research centers are needed, and how can that data translate to forecast improvements. Each link in the chain is usually covered by different sectors of industry, operations, research, and academia. The idea is we get together a panel that starts to break down any barriers between each group and increase communication lines between these different areas. The thematic day will cover each of these “Life of a Data Bit” areas and research groups, and end in the town hall/panel discussion.

Whoever is on that panel needs to sit through the whole day, and could help provide that to the rest of the audience.

M. Mulholland: Thematic day/chart is a great model for one or two startups that want to break into these fields along the chain. Private-sector companies with space-based observations/Space Situations need to know what forecasting observations are needed from different groups.

K. Shontz: This thematic day will be planned for the next (104th) AMS meeting, and we would love for everyone in SATMOC to engage.

- Discussion of DEI idea register and how we want to incorporate (Jim, Kathryn)

DEI ideas are now incorporated in a “Living” Google Doc, which all committee members are encouraged to update with new ideas:

<https://docs.google.com/document/d/1Ue7TGJAboeDxHW0dmwAvwPLY-aFUnWOanYIZRcnJoyw/edit>

- [5 Year Plan Updates and Upcoming Award Deadlines](#) (Jason/Sara)

J. Apke: SATMOC organizes nominations for deserving individuals for both AMS awards and STAC-level awards. AMS award types and nomination information can be found here:

<https://www.ametsoc.org/index.cfm/ams/about-ams/ams-awards-honors/awards/award-nomination-information/>

Nominations for AMS awards require three supporting letters, a CV/Bibliography, and a 25 word or less citation.

STAC level award information can be found here:

<https://www.ametsoc.org/index.cfm/ams/about-ams/ams-awards-honors/awards/stac-level-award-information/>

STAC awards cover three areas: Outstanding Early Career, Distinguished Scientific/Technological Accomplishment Award, and Outstanding Service Award (To STAC Committees). SATMOC Can nominate one per year, with nominations due October 1st.

***Action Item:** (All committee members) J. Apke has provided a google doc for keeping track of nominations for awards here:*

<https://docs.google.com/document/d/1ykqtojT0gJvREqa1Fmfl4Y0zCyw3W5X5dZ0JZX4LoeM/edit?usp=sharing>

All committee members are encouraged to add deserving individuals to this document, which will be reviewed by SATMOC in upcoming meetings.

***Action Item:** K. Shontz: Attempt to get nomination in for STAC-level award this year to STAC commissioner.*

- **Satellite Applications Virtual Training Update (Jun)**

J. Wang: Summer virtual training was going well, and we are getting a lot of support, free for AMS members, \$20 for non members. We had four short courses, and have archived the courses online, and each student gets a certificate showing they completed the short course. AMS came in and said they need to be the service and charge \$35 for AMS members, which was not the intention. Our speakers are donating their time to serve students, who are now charged for attending, and that is reducing attendance. For better inclusion, we will need to see if AMS can reduce the costs to improve participation.

G. McWilliams: We will have AMS meeting staff in Denver that we can approach to see whether they can get a reduction in fees that students pay. We want to make sure that AMS involvement does not make the short course worse.

Kelly Savoy will be a person to contact about this.

- **Next meeting dates (Kathryn)**

K. Shontz is working with G. McWilliams to reserve a room: Tuesday or Wednesday in Denver, CO. She is also scheduling next year's meetings with planned doodle polls in the near future.

- Closeout & Action Review

Action Item: JCSDA- J. Yoe: please add any updates to JCSDA meeting to the minutes document.

Action item: (K Shontz, M. Goldberg) Submit talking points to highlight Vernon Dvorak in the AMS presidential address for the 103rd meeting.

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Action Item: K. Shontz: Attempt to get nomination in for 2023 STAC-level award to STAC commissioner.