

# AMS STAC Chairs

# Annual Meeting 2024

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Kristie Franz, Commissioner

Ankur Desai, Past Commissioner

Clark Evans, Future Commissioner

Jan 28, 2024

# Agenda

11:00 am Welcome and STAC overview

11:15 am Board and committee strategic planning check-in

11:25 am Introduction to lunch topic: current processes for STAC awards and B/C membership

11:50 am Group photo

12:00 pm Lunch: Small group discussions

12:45 pm Report back from lunch group work

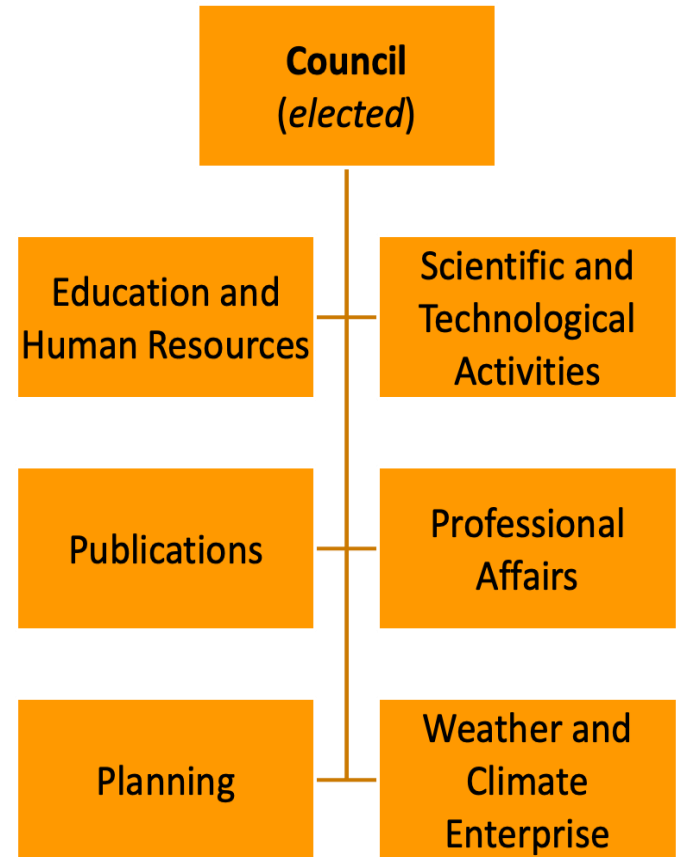
1:15 pm Open discussion + AMS leadership visits

1:45 pm Announcements and final thoughts

2:00 pm Adjourn

# What is STAC

- The Scientific and Technological Activities Commission
- One of 6 commissions
- Responsible for many key activities of AMS: most meetings, contribution to statements, webinars, volunteer opportunities, named session/symposia, glossary of meteorology, short courses, awards (AMS, STAC, student), and engagement of membership in policy, enterprise, profession, publications, training



# Who is STAC

STAC is the largest commission

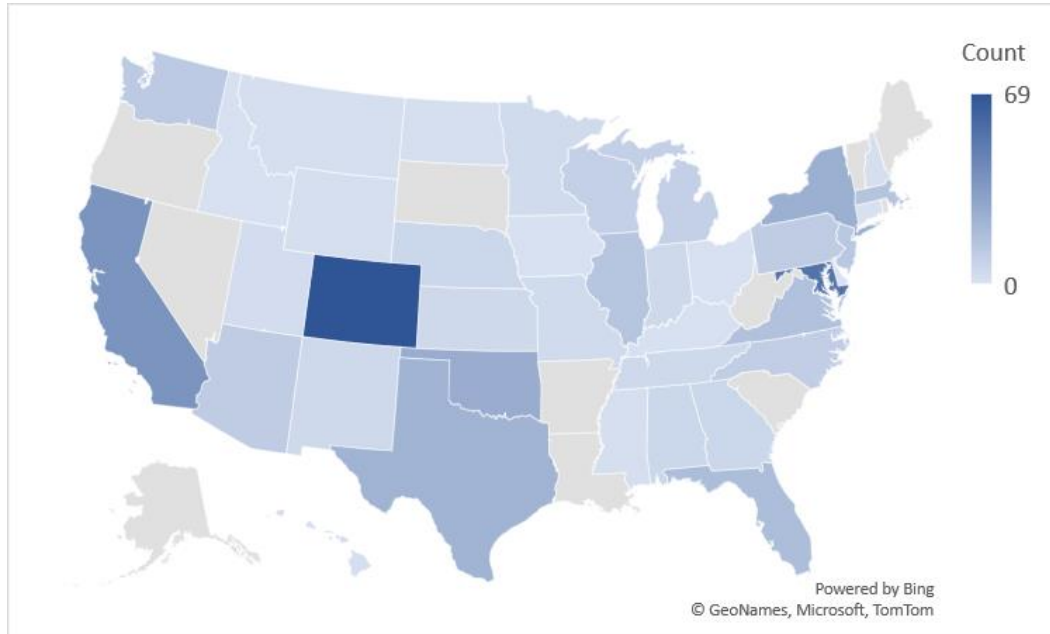
- 478 members on 6 boards and 30 committees
  - 15% more members than last year
- 421 regular members and 57 student members
- *STAC represents over 1/3 of all AMS volunteers!*

There are 3 STAC Commissioners who oversee B/Cs

# Who is STAC?

Affiliation	Count	Percent
Academic	214	45%
Government	116	24%
Private Sector	12	<3%
Student	57	12%
International	18	4%
Blank	61	13%
Grand Total	478	--

# Who is STAC?



+ Europe (13), Asia (8), Australia (5), Canada (8), South America (2), Africa (2)

# Kristie Franz, contact for:

[kfranz@iastate.edu](mailto:kfranz@iastate.edu)

- Board on Environmental Information Processing Technologies
- Board on the Urban Environment
- Committee on Air-Sea Interactions
- Committee on Aviation, Range, & Aerospace Meteorology
- Committee on Hydrology
- Committee on Measurements
- Committee on Mesoscale Processes
- Committee on Meteorology and Oceanography of the Southern Hemisphere
- Committee on Mountain Meteorology
- Committee on Satellite Meteorology, Oceanography, and Climatology
- Committee on Severe Local Storms
- Committee on Tropical Meteorology & Tropical Cyclones

# Ankur Desai, contact for:

[desai@aos.wisc.edu](mailto:desai@aos.wisc.edu)

- Committee on Artificial Intelligence Applications to Environmental Science
- Committee on Atmospheric Chemistry
- Committee on Atmospheric Electricity
- Committee on Atmospheric Radiation
- Committee on Boundary Layers and Turbulence
- Committee on Cloud Physics
- Committee on Coastal Environment
- Committee on Laser Atmospheric Studies
- Committee on Middle Atmosphere
- Committee on Planned and Inadvertent Weather Modification
- Committee on Radar Meteorology
- Committee on Agricultural and Forest Meteorology



# Clark Evans, contact for:

[evans36@uwm.edu](mailto:evans36@uwm.edu)

- Board on Data Stewardship
- Board on Atmospheric Biogeosciences
- Board on Environment and Health
- Board on Societal Impacts
- Committee on Applied Climatology
- Committee on Climate Variability and Change
- Committee on Meteorological Aspects of Air Pollution
- Committee on Polar Meteorology and Oceanography
- Committee on Probability and Statistics
- Committee on Atmospheric and Oceanic Fluid Dynamics
- Committee on Space Weather
- Committee on Weather Analysis and Forecasting

# How we communicate

- AMS Community (for chairs, whole commission, and for your committee/board)
- This annual meeting (Jan)
- Bi-annual telecons (May/Oct)
- Quarterly newsletter (Feb/May/Aug/Nov)
- Visits to your STAC committee meetings, virtual or in-person

# How you communicate to us

- Invite us to visit to your STAC committee meetings, virtual or in-person
- **Email us** – questions – conduit to AMS staff, council, and other commissions
- **Email us** – membership updates
- Reports from you: 5-year strategic plans, annual updates
- Conference reports: <https://forms.gle/AxWoPz6928dfkkEr8>



# Thank you to departing Chairs

Joe Alfieri – Board on Atmospheric Biogeosciences

Chandana Mitra – Board on the Urban Environment

Jennifer Vanos – Board on Environment and Health

Jennifer Henderson – Board on Societal Impacts

Robb Randall – Committee on Applied Climatology

Erik Kabela – Committee on Meteorological Aspects of Air Pollution

Tara Jensen – Committee on Probability and Statistics

Yohai Kaspi – Committee on Atmospheric and Oceanic Fluid Dynamics

Alec Engell – Committee on Space Weather

John Yorks – Committee on Laser Atmospheric Studies

Rei Ueyama - Committee on Middle Atmosphere

Nick Dawson - Committee on Planned and Inadvertent Weather Modification

Matt Fronzak – Committee on Aviation, Range, and Aerospace Meteorology

# Welcome to incoming Chairs

TBD – Board on Atmospheric Biogeosciences

Negin Nazarian – Board on the Urban Environment

TBD - Board on Environment and Health

Michael Michaud – Board on Societal Impacts

TBD – Committee on Applied Climatology

TBD – Committee on Meteorological Aspects of Air Pollution

TBD – Committee on Probability and Statistics

Timothy Merlis – Committee on Atmospheric and Oceanic Fluid Dynamics

TBD – Committee on Space Weather

Rory A. Barton Grimley – Committee on Laser Atmospheric Studies

Clare Orbe- Committee on Middle Atmosphere

Nick Dawson – Committee on Planned and Inadvertent Weather Modification

Ryan Decker – Committee on Aviation, Range, and Aerospace Meteorology

# How to be a STAC Chair / Vice-Chair

Just about all you need is here:

<https://www.ametsoc.org/index.cfm/stac/chair-member-information/>

And in the Best Practices document:

<https://www.ametsoc.org/index.cfm/stac/chair-member-information/stac-board-committee-best-practices1/>

Major tasks as chair's role is to organize committee to:

Complete conference Reports

**Maintain membership**

**Organize STAC Award nominations**

Plan Website editing (?)

# Strategic / Five-year plan follow-up

It is a best practice of AMS STAC boards and committees to develop and share strategic / long-term five year plans.

**Last year's lunch discussion**

**We challenged each committee to complete one or two steps.**

## 5 basic steps

1. Define your vision/mission
2. Assess where you are
3. Determine objectives needed to accomplish your vision
4. Define responsibilities and specific steps needed
5. Evaluate - set a timeline for assessment, identify what is working and what isn't, update and revise

*Where does your committee fall in this list?*

# Discussion topics for today

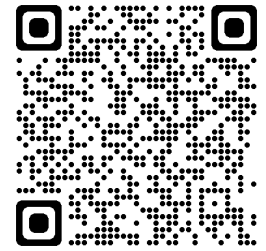
STAC new member nomination process and membership update process

STAC awards nomination process



# AMS STAC Boards and Committees

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# Committee and board membership

- All membership changes go through your commissioner contact.
  - No deadlines for changes, contact us anytime
  - Every fall we remind you to send your updates
  
- New members
  - STAC membership nomination form and short CV
  - Members (3 year term)
  - Student member (2 year term)
    - We like all B/Cs to have at least one student member
    - 26 B/Cs had student members in 2023
  - Default start is Jan 1 of current year if submitted before July 1, Jan 1 of following year if submitted afterwards

## New member form

1. STAC Board or Committee
2. Today's Date
3. Name of Nominee
4. Position (Member, Student Member, Vice Chair, Chair, Other)
5. Affiliation
6. Mailing address
7. Email
8. Start month and year of term if different from standard
9. Length of term in years
10. Briefly share why this person should be appointed to the committee and how the person will add breadth to the committee (expertise, sector – academic/private/government, diversity, career stage, etc...).

# Member roles:

- **Chair (co-chair)**
  - 3 B/Cs have co-chairs
- **Vice chair**
  - 26 B/Cs have vice chairs
- **Emeritus chair**
  - 3 B/Cs have vice chairs
- **Committees create additional roles as needed**

# Committee and board membership



- **Membership renewals/changes**

- Members can be renewed for a second term by informing your commissioner contact
  - No nomination forms are needed for renewal
- Members who are not renewed will automatically be removed from the committee at end of term
- Members can request to rotate off early if needed
  - Just send your commissioner an email

# Feedback or suggestions on membership management

- Nomination process
- Soliciting members
  - Are you struggling to find member?
- AMS volunteer portal
- Renewing members
- Identifying chair
- Finding information
- Communication from us

# AMS STAC AWARDS

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# STAC awards

- *Outstanding Early Career Award* – an individual within 10 years of having earned their highest degree, or are under 40 years of age when nominated, who has made significant contributions to the discipline and is on a path to becoming a science leader in the community. Consideration will also be given, however, to those who are still in the early stage of their careers but have seen these interrupted for up to 5-10 years by military service, or family and career circumstances.
- *Distinguished Scientific/Technological Accomplishment Award* – an individual who has made significant contributions to the discipline and is well recognized within the discipline as being a science/technological leader. This award could be for a mid-career or late-career individual.
- *Outstanding Service Award* – an individual who has made significant contributions to the STAC Committee/Board or in service to the larger community in the Committee/Board discipline.



# 2024 STAC Distinguished Scientific/Technological Accomplishment Awards

<b>Kacy Ernst</b>	For outstanding efforts bridging infectious disease epidemiology and climate change.	Board on Environment and Health
<b>TBN</b>	For innovative research on the boundary layer and its interactions with urban heat islands.	Board on the Urban Environment
<b>Michael Robinson</b>	For many scientific and technical contributions that have mitigated the negative impacts of weather in the National Airspace System.	Committee on Aviation, Range, and Aerospace Meteorology
<b>Evgeni Fedorovich,</b>	For foundational work in simulating the atmospheric boundary layer and elucidating its dynamics under a range of challenging conditions.	Committee on Boundary Layers and Turbulence
<b>Stephen G. Yeager</b>	For his scientific and community leadership on understanding the role of North Atlantic climate variability and advancing multi-year to decadal prediction especially through leading the development of large community datasets with the Community Earth System Model.	Committee on Climate Variability and Change

# 2024 STAC Outstanding Service Awards

<b>William "Woody" Roberts</b>	For many years of invaluable contributions to EIPT through committee leadership, community member mentorship, and extensive conference engagement.	Board on Environmental Information Processing Technologies
<b>Jonathan H. Jiang</b>	For outstanding service to the Committee on Atmospheric Chemistry and for raising the stature of atmospheric chemistry and aerosol-cloud-climate interactions within AMS.	Committee on Atmospheric Chemistry
<b>Jesse Feyen</b>	For exceptional dedication and service to the Committee on the Coastal Environment resulting in heightened awareness on crucial coastal environment concerns.	Committee on Coastal Environment
<b>Gretchen Mullendore and Erin Munsell</b>	For immense contributions to the goals, functionality, and advancement of the Committee on Mesoscale Processes.	Committee on Mesoscale Processes
<b>TBN</b>	For exemplary dedication to advancing middle atmosphere science through public engagement, mentorship, and long-standing service in numerous scientific organizations.	Committee on Middle Atmosphere
<b>Tara Jensen</b>	For contributions to statistical verification tools in operational meteorology and exhibiting exceptional dedication, expertise, and mentorship.	Committee on Probability and Statistics
<b>Ali Tokay</b>	For recurrent and impactful contributions to the AMS radar community that have helped shape several new and ongoing initiatives.	Committee on Radar Meteorology

# 2024 STAC Outstanding Early Career Awards

<b>TBN</b>	For exemplary contributions to improving understanding of ocean surface physics, student mentoring, and community engagement.	Committee on Air-Sea Interaction
<b>TBN</b>	For exceptional early-career contributions to the study of Earth's radiation budget and the planning of the 16th AMS Conference on Atmospheric Radiation.	Committee on Atmospheric Radiation
<b>TBN</b>	For advancing the scientific understanding and application of fire weather dynamics in complex terrain.	Committee on Mountain Meteorology
<b>Sisi Chen</b>	For developing and applying novel modeling techniques to study and advance cloud seeding and cloud physics research.	Committee on Planned and Inadvertent Weather Modification
<b>TBN</b>	For numerous high-quality publications that have advanced our understanding of severe local storms through diverse techniques in theory, modeling, and observations.	Committee on Severe Local Storms
<b>TBN</b>	For exceptional research in advancing our fundamental understanding of the physics of tropical cyclones and service to the meteorological community.	Committee on Tropical Meteorology and Tropical Cyclones
<b>Terra Lawdig</b>	For developing revolutionary data-assimilation techniques that have improved forecast skill and understanding for mesoscale atmospheric processes.	Committee on Weather Analysis and Forecasting

**Thank you for your nominations and awarding.  
Next nomination cycle for 2025, due October 1, 2024.**

# STAC awards process



- Commission-level awards
- Individuals who have received Society awards are not eligible for Commission awards for similar contributions.
- Each year, every STAC B/C may nominate an individual to receive one of the three awards.
- Awards presented by B/C at time and venue of their choosing

# STAC awards process



- Committees make a selection
  - process may differ among committees
- Committee submits to STAC Commissioner:
  - Name of awardee
  - Award type
  - One page justification
  - Citation (20 words or less)
  - Current CV
  - Brief description of how the individual was nominated and vetted
  - Proposal for when the award would be presented
- STAC commissioners review the nomination and approve those that meet the criteria, may edit citation, ask for verification

# Feedback or suggestions on STAC awards process

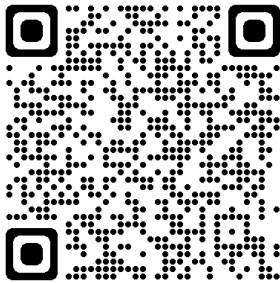
- Soliciting nominations
- Committee nominations
- Committee's selection process
- Perception of awards
- Presentation options for awards
- Receiving the award certificate
- Communication from us

# Lunch

LUNCH ACTIVITY: At tables, form groups, discuss one or both of the following. Prepare brief feedback to give to the group.

- Slides have been posted to the AMS STAC Chairs and Vice-Chairs Community

Membership



Awards





# First - Group Photo



Jan 2020 in Boston!

# AMS Leadership and Staff Visits

Brad Colman - AMS President

Anjuli Bamzai - AMS President Elect

Jen Ives - Director of AMS Meetings

Brian Papa - AMS Associate Executive Director

Claudia Gorski - Director of AMS Community Engagement

Erica Callahan - Manager of Community Engagement

Walt Dabbert - AMS International Academic Volunteer Committee Chair

Stella Kafka - AMS Executive Director

Bruce Telfeyan - AMS Secretary / Treasurer

Paul Higgins - AMS Policy / Associate Exec Dir

Katy Putsavage - AMS DEI Director

Brian Mardirosian - Director of AMS IT

# Announcements

- **AMS Glossary – Images**
- **New Commissioner**
  - Ankur will be rotating off as commissioner in January 2025.
  - We will start the process to identify the next incoming commissioner this spring.

# Open Discussion