

CEDAR 2026

Welcome to Des Moines!



V. Lynn Harvey, CEDAR Chair
Scott England, CEDAR Vice Chair
June 22, 2026



CEDAR Science Steering Committee



V. Lynn
Harvey
Chair



Scott
England
Vice Chair



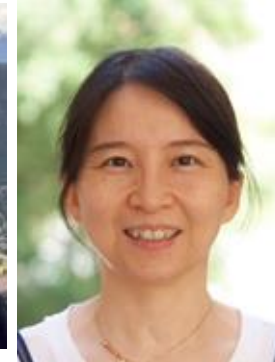
Nathaniel
Frissell



Bea
Gallardo-
Lacourt



Federico
Gasperini



Xian Lu



Erin Lay



Shunrong
Zhang



Danny Scipion
International Rep



Pavel
Inchin



Romina
Nikoukar



Bryce Halter
Student Rep



Luis
Navarro



Brian
Harding



Kristina
Lynch



Aidan Thayer
Student Rep



Liying Qian
CPAESS

Red ribbons indicate CSSC members. Please ask us questions or let us know if you have any problems.



CEDAR Meeting Organizers at CPAESS



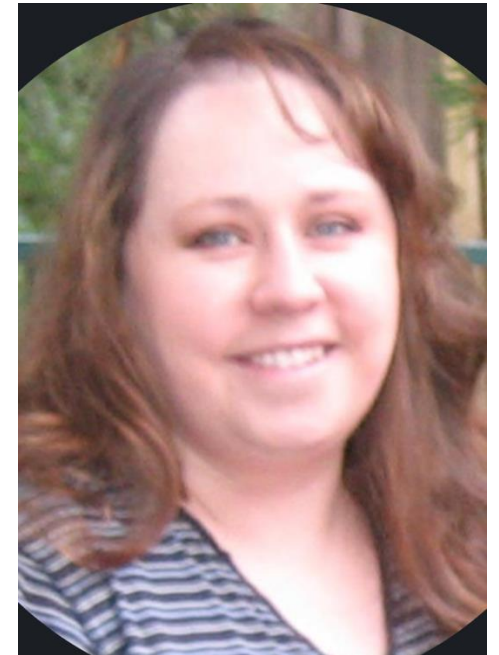
Hanne Mauriello
Director, CPAESS



Tracey Baldwin
Assistant Director



Jessica Martinez
Meeting Planner



Rebecca Cribelli
Meeting Planner



NSF CEDAR Program Director



Shikha Raizada
Aeronomy and CEDAR

Works within NSF's
Geospace Cluster

in the

Division of
Atmospheric and
Geospace Sciences



CEDAR Grand Challenges



- Grand Challenge workshops address urgent, overarching questions that require a multiyear effort and are of high CEDAR importance
- GC workshops are 3-year efforts organized by a diverse team of conveners with a clear schedule and specific goals and topics
- Each year one new grand challenge workshop is selected by the CEDAR Science Steering Committee. The selection considers:
 - Relationship to the CEDAR Science Plan
 - Timeliness of the proposed topic
 - Uniqueness, compared to past GC topics



Current Grand Challenges



Year 1

Cross-Scale Coupling and Variability in the Upper Atmosphere and Ionosphere: Pathways to Improved Space Weather Predictability. Lead Convener: Soudeh Kamali

Year 2

Redefining Polar Cap Patches: Understanding High-Latitude Irregularities, and their implications for the coupled MIT system. Lead Convener: Leslie Lamarche

Year 3

Impact of Terrestrial Weather on the Space Weather of the Ionosphere-Thermosphere-Mesosphere. Lead Convener: Jens Oberheide



CEDAR Prizes



- CEDAR provides awards to honor outstanding science at every career stage: Science Highlights, Early Career Prize Lectures, Prize Lectures, Distinguished Lectures, and Student Poster Prizes.
- The **Science Highlight Lectures** honor recent outstanding scientific contributions, including awards specifically for Early-Career scientists.
- The **Early Career Prize Lecture** honors a recent outstanding scientific contribution of importance to the CEDAR community by an Early Career scientist (within 5 years of PhD).
- The **Prize Lecture** honors a recent outstanding scientific contribution of importance to the CEDAR community.
- The **Distinguished Lecture** recognizes CEDAR community members that have made sustained important contributions over a period greater than 10 years.
- Student poster awards are presented for work in Mesosphere and Lower Thermosphere (MLT) and Ionosphere Thermosphere (IT) regions, with undergrad and graduate students considered separately.



CEDAR Prizes 2026



- ❖ **Distinguished Lecture:** Larry Paxton “Choose your own adventure”
- ❖ **Prize Lecture:** Shun-Rong Zhang “GNSS-Enabled Discoveries of Traveling Ionospheric Disturbances: New Insights into Multi-Source Coupling Within and Into Geospace”
- ❖ **Early Career Prize Lecture:** Jack Wang “Wave-Driven Circulation in the Lower Thermosphere: A Dynamical Pathway for Whole-Atmosphere Coupling”
- ❖ **Science Highlight Lectures:**
 - David Hysell on Equatorial spread F (M)
 - Aaron Bukowski on Storm-time modeling of LSTADs/LSTIDs (M)
 - Xinzhao Chu & Jackson Jandreau on Lidar studies at McMurdo Station (W)
 - Xian Lu on Wave and Geomagnetic Impacts on Space Weather (W)
 - Richard Eastes on Space-Based Imaging of the IT System (F)



CEDAR Information



- 240 in person attendees
- 22 remote attendees
- 141 poster title/abstract submitted
- 76 in student poster competition
- 50 graduate students supported
- 5 undergraduates supported
- 36 total mentees and mentors (18 pairs) in BE CEDAR
- 35 baseball tickets sold



Meeting Structure and Overview



- **Plenaries:** Monday-Friday morning
 - **Breakout workshops:** Second part of the day
 - **Poster sessions:** Tuesday & Wednesday afternoon.
All posters will be displayed all week.
 - **Community Care Sessions:** Multiple sessions addressing the health & vitality of our field, and sustaining our workforce.
- Plus:**
- Various lunches
 - Side meetings
 - Multiple extracurricular events
 - NSF office hours
Thursday 5pm
 - Banquet Thursday.
 - Quiet Room 105
 - Suggestion box



CEDAR Activities this Week



- **BE CEDAR Mentoring Program:** Lunch today!
- **MATRIX Activities (Merit and Training for Research, Innovation, and eXcellence)**
 - Career panel (M breakout),
 - Demographics (W plenary)
 - Proposals panel (Th breakout)
- **“State of Students”** lunch Thursday hosted by CPAESS
- **Student Dinner:** Tonight, 6:30pm
- **Student Game night:** Tonight, 8pm
- **Madrigal database hands-on training:** Tuesday, 5:30pm, Room 101
- **Excursion: Iowa Cub’s Game:** Tuesday, 6:40pm Game, meet at the Hilton lobby at 6pm
- **Student Demo event:** Wednesday, 5:30pm, Room 105
- **NSF Office Hours:** Thursday 5pm
- **Banquet:** Thursday 6:30pm followed by Family Feud!
- **Plenary and Breakout “CEDAR Going Forward”:** Friday, 8:20am



CEDAR CPAESS Code of Conduct



UCAR | UNIVERSITY CORPORATION
FOR ATMOSPHERIC RESEARCH

PARTICIPANT CODE OF CONDUCT Workshops, Conferences, Field Projects

Our Pledge

UCAR is committed to providing a safe, productive, and welcoming environment for all participants in any conference, workshop, field project or project hosted or managed by UCAR, no matter what role they play or their background. This includes respectful treatment of everyone regardless of gender, gender identity or expression, sexual orientation, disability, physical appearance, age, body size, race, religion, national origin, ethnicity, level of experience, political affiliation, veteran status, pregnancy, genetic information, as well as any other characteristic protected under state or federal law.

All participants (and guests) are required to abide by this Code of Conduct. This Code of Conduct applies to all UCAR related events, including those sponsored by organizations other than UCAR but held in conjunction with UCAR events, in any location throughout the world.

Expected Behavior

- All participants are treated with respect and consideration, valuing a diversity of views and opinions
- Be considerate, respectful, and collaborative
- Communicate openly with respect for others, critiquing ideas rather than individuals and gracefully accepting criticism
- Acknowledging the contributions of others
- Avoid personal attacks directed toward other participants
- Be mindful of your surroundings and of your fellow participants
- Alert UCAR staff and suppliers/vendors if you notice a dangerous situation or someone in distress
- Respect the rules and policies of the project and venue

Unacceptable Behavior includes, but is not limited to:

- Harassment, intimidation, or discrimination in any form
- Physical or verbal abuse by anyone to anyone, including repeated use of pronouns other than those requested
- Unwelcome sexual attention or advances
- Personal attacks directed at other guests, members, participants, etc.
- Publishing others' private information, such as a physical or electronic address, without explicit permission
- Alarming, intimidating, threatening, or hostile comments or conduct
- Inappropriate use of nudity and/or sexual images
- Threatening or stalking anyone, including a participant
- Other conduct which could reasonably be considered inappropriate in a professional setting

Consequences

- Anyone requested to stop unacceptable behavior is expected to comply immediately.
- UCAR staff (or their designee) or security/local police may take action deemed necessary and appropriate, including immediate removal from the event, conference, workshop, field project, facility without warning or refund.
- UCAR reserves the right to prohibit attendance at a future event, conference, workshop or field project.
- Notification of an infraction to a Home Institution. In cases where there has been a potentially serious policy or code of conduct violation UCAR will notify the offender's home institution.

Reporting Unacceptable Behavior

If you or someone you know is subject to unacceptable and/or unwelcome behavior, or have any other concerns, please contact the on-duty points of contact for this conference, workshop, field project as identified below and who will be on-site and available by email.

- on-duty point of contact
Maggie Payeur
(email: mcostley@ucar.edu)

Please note that a report to the on-duty point of contact, who is not a UCAR manager or supervisor, is NOT considered filing an official report/complaint with UCAR.

Making a report to any UCAR manager or supervisor is considered an official report to UCAR regardless of whether the manager or supervisor is located on-site or off-site.

If you wish to file a complaint or report with UCAR, please contact:

- The Chief Human Resources Officer (chro@ucar.edu), Renee Sneed, who serves as UCAR's Section 504, Title VI, VII and IX Coordinator;
- Employee Relations (employeerelations@ucar.edu) in UCAR's Human Resources Department; or
- Bob Wiley (rwiley@ucar.edu; w: 303-497-8554) in UCAR's Health, Environment and Safety & Security Office.

Participants may also make an anonymous complaint through the [UCAR EthicsPoint Hotline](#) or by calling **844-678-2671**, toll-free within the United States, Guam, Puerto Rico and Canada. A translator will be made available if needed.

As an Equal Employment Opportunity Employer and recipient of federal funds, UCAR complies with Title VI, Title VII, and Title IX of the Civil Rights Act; the Rehabilitation Act of 1973, as amended, and the Age Discrimination in Employment Act of 1975, as amended. See UCAR's [Nondiscrimination Statement](#)



Enjoy the Meeting!!!



- Organizing this meeting took >6 months of focused effort.
- **Huge thanks to:**
 - The meeting organizers at CPAESS
 - The CEDAR steering committee
 - Venue and hotel staff
 - NSF
- We have a great program, a magnificent venue, an incredible gathering of expertise, and some of science's most fun, exciting and important topics to discuss.

Enjoy the meeting!