

**AGENDA**

*Note: Some workshop content will be finalized based on participant interest and background information collected via attendee registration forms.*

*Final agenda will be provided here after registration closes in mid November.*

| Time  | Topic   | Speaker                                 |
|-------|---|---|
| 9:00  | Welcome, Logistics  | Morgaine McKibben<br>(NASA GSFC/SSAI)   |
|       | <b>Session 1 – PACE Mission &amp; Workshop Overview: Setting the stage for today</b><br><br><b>Goals:</b> <ul style="list-style-type: none"> <li>• Overview of NASA’s Earth Science to Action Strategy and how it relates to the PACE mission and PACE data users</li> <li>• Provide updates on PACE science and applications</li> <li>• Provide resources for interacting with the PACE community</li> <li>• Describe workshop objectives and anticipated outcomes</li> </ul>  |   |
| 9:10  | <b>NASA Earth Science to Action Strategy</b><br>(15 mins + 5 mins Q&A)  | Erin Urquhart<br>(NASA Headquarters)    |
| 9:30  | <b>PACE Mission Updates</b> (15 mins +5 mins Q&A)   | Jeremy Werdell<br>(NASA GSFC)           |
| 9:50  | <b>PACE Applications Program Updates</b> (15 mins + 5 mins Q&A)   | Morgaine McKibben<br>(NASA GSFC / SSAI) |
| 10:15 | <i>Coffee Break, 15 mins</i>  |   |
|       | <b>Session 2,</b><br><b>Working with PACE Data: Current offerings, future insights and prospects</b><br><br><b>Goals:</b> <ul style="list-style-type: none"> <li>• Present which PACE data products are currently available, and planned, for water, air, and terrestrial science and applications</li> <li>• Provide resources for accessing PACE data and data support services</li> <li>• Provide resources to stay up-to-date on data versions, access points, and available tools</li> <li>• Discuss strengths and limitations of data products</li> <li>• Present real-world examples of how PACE data products are beginning to innovate science and applications</li> </ul> |   |
| 10:30 | PACE Data Access Resources (20 mins + 5 mins Q&A)   | Alicia Scott<br>(NASA GSFC/SSAI)        |

|  |   |   |
|--|---|---|
|  | Applications of PACE Data (15 min + 5 Q&A each):  |   |
| 11:00  | Aquatic   |   |
| 11:20  | Terrestrial   | Fred Huemmrich<br>(UMBC/NASA)   |
| 11:40  | Atmospheric   |   |
| 12:00  | <i>Optional Networking Lunch: Attendees can self-assemble to network over lunch at the venue. Meal options will be available for attendees to purchase from the venue.</i>  |   |
| 1:15   | Afternoon logistics   | Morgaine McKibben<br>(NASA GSFC/SSAI)   |
| <b>Session 3, PACE Community Presentations &amp; Feedback Forum: Share, Learn, Network</b><br><br><b>Goals:</b> <ul style="list-style-type: none"> <li>• Highlight projects within the PACE Community via lightning talks</li> <li>• Promote research &amp; applications connections within the Community</li> <li>• Interactive, thematic breakout groups will identify near term strategies to optimize PACE data product accessibility and support</li> </ul> |   |   |
| 1:20   | <b>Lightning Talks from Participants (5 mins, 1 slide)</b> <ul style="list-style-type: none"> <li>• Show your work to the group! <b>Accepting 5 minute, in person presentations on your work and how PACE plays (or may play) a role.</b> Indicate your interest in registration form. Send lightning talk questions to Morgaine McKibben (morgaine.mckibben@nasa.gov)</li> </ul> | Workshop attendees<br><i>(please indicate your interest to present when you register)</i>                                   |
| 2:30   | <i>Coffee Break, 15 mins</i>  |   |
| 2:45   | <b>Breakout Groups on PACE User Needs</b> <ul style="list-style-type: none"> <li>• Breakout topics and discussion points will be determined by the participants' input via registration form feedback.</li> <li>• Each group will compile notes that will provide their feedback on the breakout topics to the PACE team</li> </ul>   |   |
| 4:00pm   | <b>Question and Answer Session with PACE Team</b> <ul style="list-style-type: none"> <li>• Open discussion on all things PACE. PACE team representatives will be present to answer your questions.</li> </ul>   | Antonio Mannino<br>(NASA/GSFC), James Allen<br>(NASA/Morgan State), Skye Caplan<br>(NASA/SSAI), Guoqing Wang<br>(NASA/SSAI) |
| 4:55   | Closing Remarks   | Morgaine McKibben<br>(NASA GSFC/SSAI)   |
| 5:00   | Adjourn   |   |

## **2024 PACE Applications Annual Workshop: Putting PACE Data to work across the Earth system**

**December 8, 2024, 9am-5pm**

**Occurs the Sunday before the 2024 AGU Fall Meeting in Washington DC**

**Free registration, In person**

The Westin, Washington D.C. City Center

1400 M St NW, Washington, DC 20005

The NASA Plankton, Aerosol, Cloud, ocean Ecosystem (PACE) Applications team **invites the research, applied sciences, and decision-making communities** to the 2024 PACE Applications workshop on December 8<sup>th</sup>, 2024, in person in Washington DC.

**This event will focus on helping you, the community of current and prospective PACE data users, put PACE data to work across the Earth System. Through planned talks and activities, we will amplify user readiness and sustained user engagement, solicit user feedback on specific data needs, and build connections across the PACE research, applied sciences, and decision-making communities.**

**Workshop content is cross-disciplinary**, spanning aquatic (coastal, large inland lake, ocean), atmospheric, and terrestrial science and applications. The PACE Applications team invites participants across these domains that are interested in applying PACE data for research activity, resource management, decision-making, and public health across water resources, air quality and health, climate, disasters, ecological forecasting and other [NASA Applied Sciences](#) thematic areas.

**We encourage attendance of individuals and organizations from diverse backgrounds**, such as universities and other research organizations, government agencies, as well as the commercial, non-profit, and private sectors. **A range of experience levels is also welcome**, from those who would like to learn how PACE data products and capabilities may enhance their work to expert satellite remote sensing researchers already utilizing PACE or other Earth observing data.

### **Workshop Objectives:**

- **Inform:** provide an overview of PACE instruments, data and related support tools, and science and applications activities
- **Advance user engagement:** Cross-disciplinary attendance and content to promote accessibility and actionability of PACE data products and incorporation of new PACE data users
- **Build community:** In person, interactive content will cultivate strategic partnerships and community engagement within the broad PACE Community of Practice, other Earth missions, resource managers, and decision-makers.
- **Collect actionable user feedback:** Provide a conduit for users to directly communicate needs and questions to the PACE team via interactive sessions

**Workshop Activities** [see agenda, linked above, for details]

- **Presentations on PACE** science, applications, and data
- **Networking Lunch** activity to connect participants (optional)
- **Lightning talks** highlighting work by attendees
- **Breakout Session** to collect attendee feedback on user needs
- **Question and Answer Panel** with members of the PACE team

## [Register TODAY!](https://www.eventbrite.com/e/2024-pace-applications-workshop-tickets-1023881927407)

<https://www.eventbrite.com/e/2024-pace-applications-workshop-tickets-1023881927407>

The event is open to all participants. The event is free to attend; however, registration is required, and seats are limited! Register today to reserve your spot.

**Workshop questions? Need to change your registration details?  
Interested in presenting a lightning talk?**

Please email [morgaine.mckibben@nasa.gov](mailto:morgaine.mckibben@nasa.gov)

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**Background:** Newly launched in February 2024, the PACE mission is NASA's next great investment in Earth Science, continuing NASA's legacy of over forty years of satellite ocean color measurements. PACE data will advance our Earth-observing and monitoring capabilities through **hyperspectral** imaging and **multi-angle polarimetric** observations of ocean, atmosphere, and terrestrial ecosystems. PACE is providing an unprecedented view of our home planet, supporting user-driven environmental applications through research and applied science to address societal challenges and inform decision-making!

This is the 5th in a series of annual [PACE Applications Workshops](#), but the first to be in person and the first since PACE's successful launch this year. Every day, a wealth of world class data is now being collected by PACE. This workshop will foster and advance putting this data to work for societal benefit by informing and engaging with the PACE Community.