

Dr. Moses P. Milazzo

Education

Ph.D. Planetary Sciences

University of Arizona, December 2005

B.S. Mathematics

University of Arizona, May 2001

*Remote Sensing of Thermally-Induced
Activity on Io and Mars*

Professional Experience

Founder and Director, Other Orb LLC

April 2019 to Present

- **Leadership & Management:**

- **NASA's first Chief Scientist for the Planetary Data Ecosystem.** Since 2021, maintained communication between community members and NASA and international planetary science leadership regarding data use, accessibility, preservation, and archiving. Helped NASA develop a vision for the Planetary Data Ecosystem and future development.
- **Leadership and Team Consultant:** Specializing in leadership development and coaching, team development, mentoring, anti-harassment, and codes of conduct.
- **Frequent Group Chief for NASA review panels.** Since 2008, managed the selection of up to a dozen scientists and engineers, distributed review assignments, coordinated schedules and reviews with Civil Servants, and certified compliance with policy and regulations for final review text and scores.
- **Assessment and Advisory Group Member:** *Ex-officio* member of the MAPSIT Assessment Group (since 2021); member of several other AGs; frequent presenter to AGs and the Planetary Advisory Committee.
- **Organizing Committees:** member of organizing and advising committees for multiple Workshops, Conferences, and Meetings. Lead many white paper efforts to help NASA and other organizations to understand and improve upon strategic knowledge gaps.
- **Data Archiving and Review:** Led a team of 11 international collaborators in a 2-year effort resulting in a report to NASA as the Archiving Co-Chair for the NASA Independent Review Board for the Planetary Data Ecosystem.
- Build and lead teams and ensure funding for teams of sub-contractors, Co-Investigators, students, interns, and administrative staff.
- **Fiscal Management of Federal Research and Development projects:** Co-Developing projects and their budgets and federal compliance for NASA projects (grants, contracts,

POs, etc) routed through Other Orb LLC. This includes education projects, research projects, and technical projects.

- **Community Building:**
 - **Developed, presented, and assessed effectiveness of workshops** since 2014, including bystander intervention, inclusive mentoring, anti-harassment, conflict resolution, trauma-informed leadership, and codes of conduct, presented to local, national and international institutions
 - **Advising:** Advisor to researchers, professional leaders, post-docs, graduate, undergraduate, and high school students in planetary sciences, robotics, research, engineering, community, and similar topics. Advisor to a start-up Electric Vehicle company on community needs.
 - **Proposal Writing Consulting and Mentoring:** Frequently invited to help teach workshops on NASA proposal writing, to teach teams how to develop team building aspects of their proposals, and to review individual proposals before submission
- **Technical Consulting:**
 - Consultant on Earth and Planetary instrument calibration, data science, software and data pipeline development, and data archiving.
 - Consultant for private enterprises including early wildfire detection and prevention, international Lunar development efforts, Lunar and asteroid mining, pro-social workshop development, Earth-based remote sensing of asteroids, STEAM education and curriculum development, and STEAM field trips.
 - Consultant to a start-up Electric Vehicle company on engineering goals.
- **Research:**
 - Developed and tested procedures to produce high-resolution 3D models of the Moon and Mars from orbital images.
 - Planetary volcanism
 - Planetary surface evolution
 - Earth-planetary analog research
 - Asteroid surface evolution
 - Ethics of mining and development on the Moon and asteroids
 - Ethics and effectiveness of inclusion and diversity programs
 - Education and learning research

Physical Scientist, U.S. Geological Survey

April 2008 to March 2019

Middle- and High-school Teacher, BASIS Flagstaff Charter School

July 2013 to June 2015

Post-Doc Research Associate, University of Arizona

December 2005 to April 2008

Candidate Statement

I am honored to be nominated as DPS Vice Chair and for the opportunity to help our community navigate the current complex political and funding landscape by: cultivating inclusive spaces, bolstering strategic research and funding alliances, and ensuring equitable access to data.

I am the Founder and Director of Other Orb LLC, a small space sciences research company dedicated to ensuring that the deeply human endeavor of discovery welcomes *everyone*. For more than a decade, I have promoted accessible and inclusive communities by developing, testing, and presenting community-building workshops including: Bystander Intervention, Community Building, Codes of Conduct, Inclusion Plans, Mentoring, and Employee Peer Support programs, among others. As NASA's first Chief Scientist for the Planetary Data Ecosystem, I acted as liaison between NASA and the planetary community by representing our community's data needs to HQ and the Planetary Data System. During the abstract and website deletion crisis of 2025, I worked with a small team to preserve websites, abstracts, and other data.

Sustaining a resilient and diverse community is my first priority and as DPS Vice Chair and Chair, I will leverage my decades-long commitment to building inclusive, welcoming, and safe communities to continue advocating for a culture that welcomes, respects, and empowers every individual. My objectives will include:

1. Maintaining annual conferences as safe, inclusive, and effective spaces for everybody.
2. Meeting accessibility requirements as travel and public health landscapes evolve.
3. Keeping our community strong during periods of funding instability.
4. Holding NASA accountable to its promise of open and accessible data.
5. Establishing DPS as a model for inclusionary communities.

To overcome our shared obstacles, the DPS must also continue robust dialogue with other institutions, such as the AISES, NSBP, SACNAS, AGU, and GSA prioritizing two central themes: **Active Advocacy** – collaborating at all governmental levels to influence space policy, research funding, and strengthen open science; and **Member Support** – assisting our community members facing professional, political, or economic hardship.

As Vice Chair and Chair, I will focus on:

- **Strategic Alliances:** Cooperating with these societies to bolster research resources and educational opportunities, welcoming all scientists into our community.
- **Proactive Stewardship:** Helping to shape evolving directives and policies, including equitable access to data. I am dedicated to ensuring the DPS offers organizational stability, preserves critical records, and advocates for strong, inclusive, collaborative environments.

Finally, equitable access to our rich store of planetary data is fundamental to our community's work. Equitable access to data requires equitable access to mission and instrument team memberships; research and data analysis funding; publications; reviews; and other resources. As Vice Chair and Chair, I will strive to support the DPS's critical role in ensuring that access.

In summary, while the hurdles we face are significant, I am certain the DPS can meet these challenges and I am fully committed to working through them with our partners and members. My sincere thanks to the DPS committee and those who nominated me for this chance to serve.