

Opportunity Title: Solar System Exploration: Theoretical Modeling of Photochemistry and Haze Formation in Planetary Atmospheres

Opportunity Reference Code: 0082-NPP-NOV23-GSFC-PlanetSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0082-NPP-NOV23-GSFC-PlanetSci

Application Deadline 11/1/2023 6:00:59 PM Eastern Time Zone

Description Theoretical investigations of atmospheric photochemistry and subsequent haze formation are conducted within the framework of data obtained from the Voyager and Cassini missions to the outer planets, and from ground-based and airborne instrumentation. Specific interest areas include identification of key reaction pathways for potential laboratory studies, derivation of dynamical parameters, and haze/cloud formation and evolution. Comparative studies are also of interest, since a wide range of atmospheric parameters is covered in observations of the planets.

Location:

Goddard Space Flight Center
Greenbelt, Maryland

Field of Science: Planetary Science

Advisors:

Paul N. Romani
Paul.N.Romani@nasa.gov
301-286-1525

Applications with citizens from Designated Countries will not be accepted at this time, unless they are Legal Permanent Residents of the United States. A complete list of Designated Countries can be found at: <https://www.nasa.gov/oiir/export-control>.

Eligibility is currently open to:

- U.S. Citizens;
- U.S. Lawful Permanent Residents (LPR);
- Foreign Nationals eligible for an Exchange Visitor J-1 visa status; and,
- Applicants for LPR, asylees, or refugees in the U.S. at the time of application with 1) a valid EAD card and 2) I-485 or I-589 forms in pending status

Eligibility Requirements • **Degree:** Doctoral Degree.



Whether you are just starting your career or already at a senior level, ORAU offers internships, fellowships, research opportunities, and contract positions that can provide you with invaluable experience. Download the ORAU Pathfinder mobile app and find the right opportunity to propel you along your career path!

Visit ORAU Pathfinder [↗](#)

