

Opportunity Title: Mineralogy of Fine-Grained Extraterrestrial Materials

Opportunity Reference Code: 0003-NPP-NOV23-JSC-Cosmochem

Organization National Aeronautics and Space Administration (NASA)

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

Description The early history of the solar system is being explored through detailed characterization of the minerals and noncrystalline phases composing primitive extraterrestrial materials. As these materials are typically very fine grained, this research is being performed principally by analytical electron microscopy, high-resolution transmission electron microscopy, electron back-scattered diffraction, and synchrotron X-ray microdiffraction. We are currently examining carbonaceous chondrites, interplanetary dust particles, asteroid Itokawa and comet Wild 2 grains, and fluid inclusions and primitive organics in meteorites.

Location:

Johnson Space Center
Houston, Texas

Field of Science:Cosmochemistry

Advisors:

Michael Ewing Zolensky
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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.



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