

CENTER FOR LUNAR SCIENCE AND EXPLORATION

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POSTDOCTORAL RESEARCHERS IN LUNAR SCIENCE

The Universities Space Research Association's Lunar and Planetary Institute (LPI) invites applications for lunar science and exploration postdoctoral fellowships. The opportunities include research in:

Lunar Surface Geology and Remote Sensing – Primarily using new LRO data and integrating it with existing lunar data to evaluate processes associated with impact cratering and/or planetary differentiation. Experience with orbital remote sensing methods, photometry of lunar materials, and photo-geology of lunar or lunar-like terrains is preferred.

Experimental and/or Analytical Petrology and Geochemistry – Primarily using Apollo and lunar meteorite samples (or synthetic analogues of them) to evaluate processes associated with impact cratering and/or planetary differentiation. Experience with electron microprobe, ion microprobe, and/or LA-ICPMS techniques is preferred.

Modeling of Impact Cratering Processes – Primarily using hydrocodes and relevant analytical techniques to evaluate different types of cratering processes on the Moon, to model specific crater or basin-forming events, and potentially guide future exploration scenarios.

The successful candidates should be able to work independently, although encouraged to take advantage of the tremendous lunar-related expertise in the Houston area. The successful candidate will be a member of the new LPI-JSC Center for Lunar Science and Exploration (<http://www.lpi.usra.edu/nlsi/>), which is one of the core teams within the NASA Lunar Science Institute.

USRA offers a competitive salary and benefits package. If there are any questions about the science involved in the position, please contact Dr. David A. Kring (kring@lpi.usra.edu). Interested applicants should submit a curriculum vita with list of publications, a two to three page statement of research interests, and a list of three references to resume@lpi.usra.edu. There is no firm application deadline, although a review of applications will begin August 15, 2011.

www.lpi.usra.edu/nlsi