Postdoctoral Research in Core/Ocean Geomagnetism

Applications are now being accepted for a Postdoctoral Research position, funded through the University of Maryland College Park (UMCP) and the Center for Research and Exploration in Space Science and Technology (CRESST). The selected candidate would work in the Planetary Geodynamics Laboratory of the NASA Goddard Space Flight Center (GSFC) in the area of geomagnetism, with emphasis on one of the following sub-areas: (1) numerical modeling of electric currents and the associated magnetic fields generated by oceanic flow processes, and the integration of these elements into the global geomagnetic field modeling; (2) determination of core flow utilizing surface geomagnetic observations and geomagnetic data assimilation. The appointee will be expected to work closely with the Core and Crustal Magnetics group at NASA/GSFC, but is also strongly encouraged to carry out independent research. The position is for 1 year, and extension to the second year is available pending future funding and mutual agreement.

Applicants must have a Ph.D. degree (or expect to have the degree by the start of the appointment) in a related field of physics, geophysics, dynamical oceanography/meteorology, and/or applied mathematics. Applicants are expected to have strong quantitative analysis and modeling skills – in addition to knowledge of geomagnetic fields, satellite or ground observatory data, geomagnetic field models and core dynamics. Familiarity with UNIX OS, FORTRAN and parallel computing is a strong plus.

Each applicant should send a Curriculum Vita, list of publications, statement of research interests, and contact information for three references to:

Core/Ocean Geomagnetism
CRESST/UMCP
Mail Code 660.8, NASA/GSFC
Greenbelt, MD 20771, or
Via e-mail to virginia.c.peles@nasa.gov

Salary and benefits are highly competitive, commensurate with experience and qualifications. Information regarding the Planetary Geodynamics Laboratory can be found at http://science.gsfc.nasa.gov/sed/index.cfm?fuseAction=home.main&navOrgCode=698&navTab=nav_about_us. For information on CRESST and the University of Maryland's Department of Astronomy, please contact Tracy Huard (thuard@astro.umd.edu). The position is available beginning June 2015.

The University of Maryland is an Affirmative Action, Equal Opportunity Employer.
Women and minorities are encouraged to apply.
Applications will be accepted on an ongoing basis until the position is filled.
All applications received by May 22, 2015, will receive full consideration.