Postdoc Position at NASA Goddard Space Flight Center

A postdoctoral position is now available in solar physics at NASA Goddard Space Flight Center. The successful candidate will perform scientific research using data from the Spectral Imaging of the Coronal Environment (SPICE) instrument on the Solar Orbiter (SO) mission.   SPICE is an extreme ultraviolet imaging spectrometer, allowing the characterization of temperature, density, flow, and elemental composition in the solar upper atmosphere. The selected individual will work with other researchers at Goddard in the interpretation and analysis of SPICE data in combination with data from other SO instruments and heliophysics missions to study the complex dynamic connection between the Sun and inner heliosphere. The postdoc will also participate in SPICE observational planning and instrument operations. The successful candidate will be involved in national and international collaborations, and will be expected to publish in leading journals and present results at conferences and workshops.

The successful candidate will work at NASA Goddard Space Flight Center in Greenbelt, Maryland, USA, and be employed by a local university through an existing cooperative agreement between the Catholic University of America and NASA Goddard.

Qualifications:

Required:

A PhD in space physics or other physical sciences, mathematics or engineering

Excellent communication, problem solving, and critical thinking skills
Willingness to learn new skills

Desired:

Expertise in study of the solar atmosphere

Expertise in analyzing spectroscopy data

Experience with scientific data analysis
Experience with IDL and/or python

Women and minority candidates are encouraged to apply. Please be aware that applicants need not have all the desired skills and experience to be considered for this position.  If you have passion for the work, along with experience in a related field, you are encouraged to apply.  We support on-the-job training for any additional skills or knowledge that become relevant to the position. Position open to U. S. citizens, residents, and foreign nationals from non-designated countries.

The position is full-time for a period of two years beginning in 2021. Salary is commensurate with qualifications and experience.  For full consideration, please submit the following to Dr. Robert Robinson at robinsonr@cua.edu or Dr. Jeffrey Brosius at brosiusj@cua.edu by July 1, 2021.

1. A cover letter describing background, qualifications, and experience relevant to the position, and a description of scientific interest with regards to SPICE
2. A full curriculum vitae (CV) - detailing education, awards, publications, research experience, software experience, etc.
3. Contact information for three professional references

Informal inquiries via e-mail are welcome.