

Instrument Scientist Position at Big Bear Solar Observatory

New Jersey Institute of Technology (NJIT) is seeking an instrument scientist for the development of next-generation imaging spectrometer and polarimeter at [Big Bear Solar Observatory \(BBSO\)](#). The BBSO operates the 1.6-meter Goode Solar Telescope (GST) with a diverse suite of instrumentation. The GST with its state-of-the-art adaptive optics, imaging spectrometers and polarimeters, is a world-class facility for high spatial and temporal resolution solar astronomy in the optical/infrared. The BBSO is operated as a remote laboratory of NJIT's [Center for Solar Terrestrial Research \(CSTR\)](#). The position is anticipated to start in early 2022.

Applicants should have a Ph.D. or M.S. in Astronomy, Physics, Astrophysics, Space Physics, or closely related areas, with an ability to work and live at an elevation of 2000 meters. The ideal candidate will have experience of astronomical optical instrumentation with preferred working knowledge of

- Solar polarization measurements and telescope polarization calibration
- Fabry-Pérot interferometer system
- Imaging spectroscopy and polarimetry data processing and analysis
- Observations with ground-based telescopes, coordination with NASA solar space missions

The deadline for applications is December 15th, 2021. Please submit all documents online at <https://njit.csod.com/ats/careersite/JobDetails.aspx?site=1&id=???> including: (1) a cover letter, (2) a current version of your curriculum vitae, and (3) names of two references. Inquiries should be addressed to BBSO Director, Prof. Wenda Cao (wenda.cao@njit.edu).

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