

Postdoctoral Fellow Positions: Time-Domain and/or Exoplanetary/Substellar Astronomy

Prof. Stanimir Metchev at the University of Western Ontario invites applications for a Postdoctoral Fellow. Two areas of expertise are sought, and applicants with qualifications in either or both areas are invited to apply.

The first area of expertise is time-domain astronomy and automation of telescopic observations. The successful applicant will be expected to aid with the commissioning and operations of an array of three 0.5m robotic telescopes equipped with rapid-imaging cameras. Strong computer programming expertise is required. Background in systems automation, data management, or image analysis would be advantageous.

The second area of expertise is exoplanetary or brown dwarf astrophysics. The successful applicant will be expected to lead aspects of on-going programs with the Spitzer Space Telescope and TESS. Background in precision photometry, spectroscopy, or time series analysis would be advantageous.

The candidate will be expected to actively pursue additional ground-based observations in support of one or both of the above programs. Depending on interest, additional opportunities for collaboration with Metchev's group exist in the fields of brown dwarfs, exoplanets, circumstellar debris disks, or solar system astronomy.

Western University has access to all Canadian national telescopes, including Gemini, the CHFT, ALMA, and a slew of 1-2 metre-class telescopes. Metchev's team also regularly uses other facilities, including Spitzer, TESS, Hubble, Magellan, NOAO telescopes, NASA/IRTF, and McDonald Observatory.

Candidates must have a doctoral degree in Astronomy or a related field. The start date is flexible, but preferably no later than September 1, 2019. Candidates should submit a curriculum vita, a two page statement of research experience and interests, and the names and contacts of three references directly to Prof. Metchev. The position is open until filled. For full consideration, complete applications should be received by March 1, 2019.

For further information, please contact Prof. Metchev (smetchev@uwo.ca).