The Department of Physics and Astronomy at Georgia State University (GSU) is seeking to fill a tenure-track faculty position by Fall 2020 at the assistant professor level.

We are looking for a solar physicist with significant expertise in both the MHD of the solar corona and flares and in Big Data and Machine Learning, along with a desire to enhance GSU's solar physics and big data curriculum, with a focus on minority and female education and mentoring. The new hire will join our Astro-informatics Cluster, a close collaboration between the solar/stellar physics and remote sensing for space sciences groups in the Department of Physics and Astronomy, and the Computer Science department at GSU. Our Cluster is currently focused on space weather forecasting and is looking to merge two techniques (numerical simulations (SIM) and Machine Learning (ML)) into a fully integrated approach for data-driven solar physics research and space weather prediction. With our new hire the Cluster will achieve the critical mass needed to succeed in this initiative.

This position is funded for the first five years through NSF's prestigious Faculty Development in the Space Sciences (FDSS) program. NSF support includes summer salary, travel, publications, and graduate student support. Upon the awarding of tenure in the fifth year GSU further supports the faculty line.

Georgia State University, an enterprising R-1 university is located in the heart of downtown Atlanta, a vibrant international city in the Southeast. GSU enrolls and graduates one of the most diverse student bodies in the nation and advances innovative research by building a diverse faculty. We encourage applications from women and members of underrepresented groups in the physical sciences.

Applicants should have the following basic qualifications: 1) Ph.D. in astronomy, physics, or closely related field, 2) postdoctoral research experience, 3) evidence of the ability to establish and maintain a successful research program, 4) evidence of the motivation and ability to teach at the undergraduate and graduate levels with a diverse student body, 5) evidence of the ability and clear desire to work in a large, collaborative effort (i.e. the Cluster).

Applications should include 1) a CV, including a publication and grant list, 2) a statement of the candidate’s research interests and how the research fits into the above program, 3) a statement of teaching experience and philosophy, and 4) contact information for at least three references. All materials should be sent via email to martens@astro.edu. Questions regarding the position can be addressed to Dr. Piet Martens at the same email address. Applications received by December 15, 2019, will receive full consideration. An offer of employment will be conditional on background verification. Georgia State University is an Equal Opportunity Employer and does not discriminate against applicants due to race, ethnicity, gender, veteran status, or on the basis of disability or any other federal, state or local protected class.