Assistant or Associate Professor in Astrophysics, Cosmology, Particle Physics or Nuclear Physics

The Department of Physics at Washington University in St. Louis (https://physics.wustl.edu) invites applications for a tenure-track/tenured faculty appointment in Physics at the rank of Assistant or Associate Professor to begin in the fall semester of 2021. A Ph.D. in Physics or a closely related discipline is required at the time of appointment. We invite applicants in all areas of theoretical, observational, and experimental astrophysics, cosmology, particle physics and nuclear physics who specialize in the use of data-intensive methods, data mining, statistics, large-scale computer simulations, machine learning, neural network, and GPU computing. Areas of interest include, but are not limited to, simulations of astrophysical processes (e.g. black hole and neutron star accretion or merger, cosmological simulations), processing large data sets (e.g., gravitational wave, cosmological, multi-wavelength and multi-messenger data sets), and statistical, uncertainty quantification, and Bayesian analyses. The hire forms part of Washington University’s Digital Transformation initiative, in which 14 faculty members are hired in departments across the schools of Arts & Sciences (https://bit.ly/artsdigital). The ability and willingness to collaborate with colleagues across traditional discipline boundaries will be considered as a strength of the application. Furthermore, a joint appointment with the Department of Mathematics and Statistics (https://math.wustl.edu) can be considered if appropriate. The faculty hire will be a member of the McDonnell Center for the Space Sciences (https://mcss.wustl.edu). The successful candidate will conduct an independent research program, teach typically one class per semester, and advise undergraduate and graduate students. The appointment can begin as soon as Fall 2021.

Washington University in St. Louis is an equal opportunity affirmative action employer, and especially encourages applications by those underrepresented in their academic fields. It is the University’s policy to recruit, hire, train, and promote persons in all job titles without regard to race, color, age, religion, sex, sexual orientation, gender identity or expression, national origin, protected veteran status, disability, or genetic information.

Applications should apply via https://apply.interfolio.com/83721 and submit a cover letter, a CV, a list of publications including a description of the candidate’s contributions to the five most significant ones, a statement of research interests and plans (up to three pages), a statement of teaching interests and philosophy (up to two pages), a diversity statement detailing the track record and plans of the candidate for promoting diversity and inclusion in STEM (up to two pages), and the names and contact information of three professional references. Applications received by March 15, 2021, will receive full consideration. Consideration after that date will be at the discretion of the search committee. For additional information please contact Professor Krawczynski, krawcz@wustl.edu.

Each year Washington University publishes a Safety and Security brochure that details what to do and whom to contact in an emergency. This report also publishes the federally required annual security and fire safety reports, containing campus crime and fire statistics as well as key university policies and procedures. You may access the Safety and Security brochure at https://police.wustl.edu/clery-reports-logs/.