Faculty in Applications of Data Science to Particle Accelerators (Tenure Track/Tenured)
Old Dominion University

Job Title	Faculty in Applications of Data Science to Particle Accelerators (Tenure Track/Tenured)
Department	AI CLUSTER HIRE INITIATIVE
Institution	Old Dominion University Norfolk, Virginia
Date Posted	Nov. 4, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor Professor
Academic Field(s)	Physics - General
Job Website	https://jobs.odu.edu/postings/21997
Apply By Email	

Job Description

The School of Data Science at Old Dominion University invites applicants for a tenure track/tenured position (depending on experience) in Data Science to begin in Fall 2025 as part of a multi-position hiring initiative for ***Applications of Data Science, Engineering, and/or Physics to Particle Accelerators.***This position is expected to be made at the rank of Assistant Professor, but an appointment at a higher level will be considered for exceptionally qualified candidates. We seek faculty that will lead the development of data science/artificial intelligence (AI)/machine learning (ML) theory and applications to the broad accelerator science areas including improving existing and future accelerators, particle colliders, and light sources for fundamental research and applications in industry and medicine.

The appointee will develop and maintain a vibrant, externally funded interdisciplinary research program

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in artificial intelligence AI/ML and data science with focused application area to accelerator science research topics, including inverse problems in accelerator design and development, control of complex systems, uncertainty quantification in accelerator science, digital twins of accelerators, data reduction and representation learning, learning in extremely high-dimensional data, and other closely related advanced AI/ML and data science areas. Collaboration with other faculty in the School of Data Science, Physics, Engineering, as well as data scientists and accelerator scientists at the nearby Thomas Jefferson National Accelerator Facility (Jefferson Lab) is expected.

Other Responsibilities:

1. Teach undergraduate and graduate courses.
2. Advise graduate students.
3. Provide service to their department and the University.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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