

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

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Job Title Faculty in Applications of Physics 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/21999

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Job Description

The Department of Physics and the Center for Accelerator Science at Old Dominion University invite applicants for a tenure track/tenured position (depending on experience) in Accelerator 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 rank will be considered for exceptionally qualified candidates.

The appointee will maintain a vibrant, externally funded interdisciplinary research program in accelerator science using artificial intelligence (AI)/machine learning (ML), engineering, physics and/or related scientific approaches to study topics such as accelerator design and development, advanced performance optimization and analysis of accelerators, large-scale simulations of accelerator



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performance, and control optimization of accelerators using advanced AI/ML techniques. Collaboration with other faculty in Physics, Engineering, and the School of Data Science at ODU as well as accelerator scientists at the nearby Thomas Jefferson National Accelerator Facility (Jefferson Lab) will be encouraged.

Other Responsibilities:

- Teach undergraduate and graduate courses, including for the Virginia Innovative Traineeship in Accelerators (VITA) program and the US Particle Accelerator School (USPAS).
- · Advise graduate students.
- 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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