

Post-Doctoral Position in Theoretical/Computational Atomic, Molecular, and Optical Physics Drake University

A post-doctoral position in theoretical/computational AMO physics is available at Drake University. Review of applications will begin immediately, but full consideration will be given to all applications received by **March 1, 2023**. The position will remain open until filled. The appointment may be extended beyond the first year depending on performance and available funding.

A significant part of the workload will be allocated to calculations of photon and electron collisions with complex atoms and ions. Particular emphasis will be placed on the treatment of time-dependent, short-pulse, intense-laser processes using both the single-active-electron (SAE) approximation and the general multi-electron R-matrix with time-dependence (RMT) approach. Significant supercomputer resources are expected to be available for the project. Working with massively parallel computing architectures will be a substantial part of the work. Hence, programming experience (FORTRAN, OpenMP, MPI) is required, as well as good written and oral communication skills in English.

Drake University requires a formal application to be submitted through their [Jobs@Drake](#) site. The direct link is

<https://jobs.drake.edu/jobs/research-scholar-physics-889888>

For questions about the position, please contact

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