



Predictive
Engineering &
Computational Science



Postdoctoral Scholar Positions - Computational Science

The Center for Predictive Engineering and Computational Sciences in the Oden Institute for Computational Engineering and Sciences at the University of Texas at Austin is searching for Postdoctoral Scholars in several domains relevant to high fidelity simulation of inductively coupled plasma torches. This research effort is supported in part by funding from the Department of Energy's National Nuclear Security Administration's Office of Advanced Simulation and Computing under the Predictive Science Academic Alliance Program. It involves multi-scale, multi-physics models and requires the use of advanced numerical methods and supercomputing resources. Applicants with a strong background in any of the following areas are sought: compressible reacting flow, finite element and spectral methods, and HPC algorithms and technologies. Applicants must have a Doctorate in Science, Engineering, Computer Science, Computational Science, Applied Mathematics, or a related technical field. Candidates with prior software experience in large-scale parallel code development, MPI, C++, multi-threading, and GPU programming are preferred.

For more information about the project and team, visit pecos.oden.utexas.edu. To apply, please send a cover letter describing your interests, a CV, and a list of three references to pecos_recruit@oden.utexas.edu.