



Dear Colleagues,

I bring to your attention postdoctoral fellowships at the Argonne Leadership Computing Facility (ALCF) for those interested in working on the computational aspects of electronic structure methods. Short-term research aide positions are also available to highly-qualified Ph.D. students.

We are looking for candidates interested in the development of open source electronic structure codes for massively parallel calculations on Mira, ALCF's 10 petaflop/s Blue Gene/Q. A hired candidate will work with a multi-institute team to develop electronic structure codes that are designed to scale to over 100,000 computer cores to achieve breakthrough high-impact science on present and future generation supercomputing platforms. Applicants with a background or interest in the several of the areas listed below are encouraged to e-mail us their CV:

density functional theory
numerical methods in electronic structure
machine learning
high-performance computing
coupled cluster theory
modern programming techniques

Postdoctoral fellowships require a Ph.D. in chemistry, physics, or computer science. Experience with programming in C, C++, or Fortran is required. An ideal candidate would also have experience in MPI and shared memory programming.

For further information, please contact:

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Argonne National Laboratory offers competitive salaries.