

Postdoctoral Researcher – Performance Tuning

The Mathematics and Computer Science (MCS) Division at Argonne National Laboratory invites outstanding candidates to apply for a postdoctoral position focusing on researching new methods and developing tools for semi-automated performance tuning of scientific applications. This work will involve extending or interfacing to existing open-source compiler software and program analysis libraries to obtain the data dependence information required for valid source transformation.

The appointment will be in the MCS Division (<http://www.mcs.anl.gov>), which has strong programs in scientific computing, software tools, and computational mathematics. Candidates should have a background in one or more of the following: program analysis and compiler design, designing and developing large software packages, C, C++, and Python programming under Unix. Considerable knowledge in one or more of the following areas: performance analysis, component software, parallel computing is a plus.

Internationally recognized for innovative research in high-performance computing, the MCS Division supports an excellent computational environment that includes access to a scientific visualization laboratory and a distributed computing laboratory. Argonne is located in the southwestern Chicago suburbs, offering the advantages of affordable housing, good schools, and easy access to the cultural attractions of the city.

Candidates should submit an application via the Argonne website under division postdoctoral job openings for job requisition mcs-314106. The application must include a curriculum vitae; list of publications, abstracts, and significant presentations; and the names of three references, other than Argonne staff, who can attest to the candidate's ability and potential.

For further information about the Argonne division postdoctoral appointments, see the website. Questions can be addressed to Dr. Giselle Sandi in the Division of Educational Programs, by e-mail to gsandi@anl.gov.

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