

# Postgraduate Research Opportunity

*Condensed Matter Theory Group, BNL*

The condensed matter theory group at BNL has immediate openings for postgraduate researchers to conduct frontier research in the theoretical investigation of electronic, optical, and magnetic properties of condensed matters, in particular effects of disordered impurities in electronic correlated materials that are of interest in energy applications. Projects also include development of novel theoretical/numerical approaches to properly treat disordered impurities, excitations, and localized quantum many-body interactions in "strongly correlated materials" (eg: High-temperature superconductors), in close collaboration with several other world-leading groups within the DOE CMSN framework.

Access to parallel computing resources including DOE supercomputer centers and local Beowulf clusters is available. The successful candidate should also benefit from fruitful opportunities of interaction with experimental groups in the Lab, as well as with world-famous visitors of the *Institute for Theory of Strongly Correlated and Complex Systems*.

Interested applicants should send their CV with list of publications and contact information for 2-3 referees to Dr. Wei Ku ([weiku@bnl.gov](mailto:weiku@bnl.gov)). For more information, see <http://www.cmth.bnl.gov/>.

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