

COMPUTATIONAL RESEARCH EXPERIENCES FOR GRADUATE STUDENTS



CALL FOR RESEARCH PROJECTS:

The NSF IRES-ASSURE site at Michigan State University invites interested faculty to propose research projects for 2021-2022! The site supports the initiation and building up of research relationships between international supercomputing centers and US-based researchers pursuing applications in computational and data science. Specifically, it gives US Ph. D. graduate students exposure to international research and opportunities to explore unique aspects of their computational/data science-focused research.

HOW IT WORKS:

International sites propose research projects for which they are open to collaborating with U.S.-based researchers in co-mentoring a U.S. Ph.D. graduate student. Projects are shared with Ph.D. graduate students and their US-based advisor. Students apply to projects, with the approval of their U.S.-based mentor. Selected US graduate students, receive a stipend and health insurance allowance to spend 9mo/12mo working on the project. Mentors on selected projects, have access to a small travel budget (~\$2K/site) to help build up the collaboration.

WHAT TYPES OF PROJECTS ARE ELIGIBLE?

Projects supported through IRES-ASSURE focus on the development and enhancement of software applications and algorithms in science domains that rely on high performance computing systems to advance scientific endeavors. Projects are supported in a wide variety of STEM disciplines.

CURRENT RESEARCH AREAS INCLUDE:

Earth & Weather Systems, Advanced Manufacturing, Life Sciences, Drug Design and Big Data.

WHO SHOULD APPLY:

There are no restrictions on mentors nationality or US affiliation. Non-MSU mentors can also propose projects. International sites must be approved by the NSF program officer. Eligible Ph.D. graduate students participants MUST be US citizens or permanent residents.

PROGRAM DATES:

Aug 12, 2021 to May/Aug. 12, 2022

NOW ACCEPTING PROPOSALS!

For more information and to propose a project visit: <https://ires-assure.msu.edu/>.

Questions?

Email: merz@chemistry.msu.edu

