

University of Minnesota Supercomputing Institute for Digital Simulation and Advanced Computation

Project Form for New Principal Investigators

- Principal investigators (PIs) who do not have a project or an account of any type with the Supercomputing Institute should use this form.
- At the Institute, a project or group corresponds to a PI or a unique combination of PI and co-PI. All work done by a given PI or a unique combination of PI and co-PI and the associated research group is considered a single project.
- All University of Minnesota faculty (professor, associate professor, assistant professor, etc. – all 94xx job classifications) are eligible to be PIs at the Supercomputing Institute.
- Academic professionals (job classification 97xx) are also eligible to be PIs if their research is not part of research led by a U of M faculty member and if the research contributes to the goals and efforts of their U of M department and/or center. In addition, their dean, department head, or center director (whichever is appropriate) must submit the MSI “Non-faculty PI eligibility form” found at <http://www.msi.umn.edu/general/Programs/Forms/>. Postdocs are not eligible to be PIs.
- In addition, faculty researchers at accredited institutions of post-secondary education in the state of Minnesota are eligible to be PIs and to use MSI’s supercomputing resources and the Scientific Development and Visualization Laboratory.

The PI should complete and submit this form or provide its information equivalent to:

Barbara Opal, Research Programs Administrator
Supercomputing Institute, 599 Walter
117 Pleasant Street SE
Minneapolis, MN 55455 (or campus mail)
Telephone: (612) 625-0012 Email: projects@msi.umn.edu

Electronic submission of the form is encouraged, but hard copies are also accepted. Electronic copies of this form are available at:

<http://www.msi.umn.edu/general/Programs/Forms/>

Note: Forms submitted electronically must be sent from the PI’s email account. Email from the email account of the PI is accepted as a substitute for a signed original.

Renewal of projects/accounts is required for each six-month period (January–June and July–December).

Date: _____

Principal investigator (PI):

Name: _____ Title or rank: _____

Department: _____

Address: _____

Phone #: _____ Fax: _____

Email: _____

Signature: _____

A form sent from the email account of the principal investigator will be accepted in lieu of a signature.

Co-principal faculty investigator (co-PI), if any:

Name: _____ Title or rank: _____

Department: _____

Institution (if not U of M, Twin Cities): _____

Address: _____

Phone #: _____ Fax: _____

Email: _____

Other users:

Every individual with access to MSI resources should have his or her own user account and password.

Passwords must not be shared with anyone.

Please attach the name, address (use campus mail address for persons who have one), phone number, email address, and status code of each additional user. Current information is required for all users. Attach additional pages(s) if the requested information does not fit on this page.

Status codes: A – Research Associate; C – Collaborator at another institution; F – Faculty; G – Graduate Student; J – Adjunct Faculty; S – Nonacademic Staff; U – Undergraduate Student; V – Visiting Researcher

Principal user:

The principal user can be the PI, co-PI (if any), or one of the other users (if any).

Name: _____

Check the resources you would like access to. If unsure, check yes for only the resources you need now—it is easy to add additional resources later, except for core supercomputing service units, where priority is given to on-time requests (April 15 deadline for July–December access and October 15 deadline for January–June access).

Resources available to faculty members at the University of Minnesota for their work and that of their students and research groups:

Laboratories:

- Basic Sciences Computing Laboratory
- Biomedical Modeling, Simulation, and Design Laboratory (formerly the VWL)
- Computational Genetics Laboratory
- Scientific Data Management Laboratory

Resources available to faculty members at the University of Minnesota and other faculty researchers at accredited institutions of post-secondary education in the state of Minnesota for their work and that of their students and research groups:

___ Scientific Development and Visualization Laboratory

Supercomputing resources—number of service units (SUs): _____

___ IBM BladeCenter Linux Cluster

___ IBM Power4

___ IBM Netfinity Linux Cluster

___ SGI Altix 3700 BX2

___ Calhoun (SGI XE 1300 Linux Cluster)

If you have any questions regarding which machine is most appropriate for your research, please see http://www.msi.umn.edu/user_support or contact help@msi.umn.edu.

Printing budget: Printing at MSI laboratories requires a University CUFS number. Please enter your CUFS number here (required for all projects that use laboratory printers):

Budget number: _____

Project information:

All accounts must have a title and abstract. Abstracts should ordinarily be 150–300 words in length and should be suitable for representing your work in MSI reports. For projects requiring large amounts of resources or technical support, the abstract may also be used for prioritizing projects on the basis of peer review. Peer review criteria used by MSI are available at <http://www.msi.umn.edu/general/Programs/review.html>.

Title of research project:

Abstract:

If you do not need supercomputing resources, stop, you are done.

If you requested supercomputing resources, there are two more steps.

1. Make sure that you filled in a number of service units in the section above. For more details on service units, see <http://www.msi.umn.edu/general/Programs/Descriptions/resources.html>.
2. Provide a summary of how you will use MSI supercomputers to support your research. The following limits will be strictly enforced:
For requests less than or equal to 950 SUs: one page maximum.
For larger requests: two pages maximum.

These limits include (if present) references, tables, and figures. You should include relevant background information, a summary of the proposed work, and for requests of more than 950 SUs, a justification of the need for the resources. Optionally, you may mention any grants that support the proposed work because high priority is given to projects leveraged by external funding. Please include the grant funding agency, the date range that the grant covers, and the total dollar amount that you are funded for.