

XSEDE



Extreme Science and Engineering Discovery Environment

National Computing Resources

Certain types of computational problems might exceed the capabilities of Rice systems. In those cases, we recommend using [XSEDE](#), (Formerly known as TeraGrid). XSEDE is a collection of shared computing systems distributed across many sites nationally. These resources are supported by the [National Science Foundation](#) (NSF) and are maintained as a free national resource. Combined, these resources total over 10 petaflop of computing power. Available resources include systems for large shared memory (Symmetric MultiProcessing or SMP) applications, highly scalable applications (Massively Parallel Processing or MMP), traditional clusters, and more recently high-throughput computing via Open Science Grid. Please contact us if you are interested in exploring access to XSEDE resources (see below).

We have staff members who are [XSEDE Campus Champions](#). Campus Champions have extensive knowledge of XSEDE resources and allocation request processes, and also have access to many XSEDE resources for exploratory work in preparation for submitting project specific allocation requests. From the XSEDE website:

The Campus Champions program supports campus representatives as a local source of knowledge about high-performance and high-throughput computing and other digital services, opportunities and resources. This knowledge and assistance empowers campus researchers, educators, and students to advance scientific discovery.

Through the Campus Champions program, your campus will have direct access to XSEDE and input to its staff, resource allocations for the use of your campus researchers, and assistance in using those resources.

If you need assistance from the Campus Champions, please contact us through the [Help Desk](#).