Research Express is on its way!

- The demonstration will start at 12:30 pm.
- To use the Live Chat:
  - Maximize your browser window so you can see the postings.
  - If you refresh the browser page, you'll need to log in again.
  - After the demonstration, staff will remain available in the chat for a few minutes to answer additional questions.

Today's topic: XSEDE Update
XSEDE: Update from UD's Campus Champion
Dean Nairn
Objectives

- Introduce XSEDE and the Campus Champion program
- How to get started using XSEDE resources
- Using the XSEDE portal
A single virtual system that scientists can use to share

- computing resources
- data
- expertise
Computing resources

Continuing the NSF TeraGrid project.

- HPC (High Performance Computing)
- Visualization
- HTC (High Throughput Computing)
Data

XSEDE computational projects include data allocations to support the calculations. XSEDE plans to add data-only projects for storing and sharing large data.
Expertise

If your research is hindered by an inability to use high-performance computing, you can apply to have an XSEDE expert assigned to your project. Peer reviewed.
Dean Nairn: UD's Campus Champion

- Source of information regarding XSEDE resources and services that will benefit research and education at UD
- Source of start-up accounts to quickly get researchers and educators using their allocations of time on XSEDE resources
- Conduit to XSEDE staff supporting UD's high-performance computing needs, requirements and challenges
Information

https://www.xsede.org/

Main XSEDE web site

Home`
About
User Services
Resources
Gateways
Education and Outreach
Technology Database
Accounts and Allocations

You need an account with an allocation on at least one XSEDE resources (formerly TeraGrid site). UD researchers are currently using:

1. Kraken - Cray XT5
2. Ranger - Sun Constellation Cluster
3. Trestles - Apro AMD cluster
4. Steele - Dell Linux cluster
Start-up Assistance

As UD's Campus Champion, I will meet with you (preferably with your group) to

1. Assess your HPC needs
2. Propose relevant XSEDE resources
3. Add you to the UD Campus Champion training allocation for
   ○ Trying new HPC sites
   ○ Benchmarking
   ○ Training
4. Demonstrate the XSEDE Portal
Conduit to XSEDE staff

- Regular contact with other Campus Champions and XSEDE staff
- Access to private wiki and expert staff
- Attend conferences dedicated to HPC and XSEDE
Welcome to The XSEDE User Portal (XUP), the home on the web for XSEDE users! The XUP provides XSEDE users access to view and manage their accounts and allocations, as well as find information about and access the XSEDE services and resources.

Now that you're logged in here's some things you can do:

- View/manage your allocations
- View and login to your accounts
- View your tickets or jobs
- Find and register for training classes

Welcome, Dean!

Last login: Thu 05/10/12 at 09:59:39 AM -0500
Open tickets: None
Jobs: 0 running : 0 queued : 0 other
Training: You are not registered for any upcoming classes. View calendar.

ACTIVE PROJECTS SUMMARY (See Full View)

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Summary

- XSEDE continues and extends TeraGrid
- UD's Campus Champion can help get you started
- XSEDE portal is the start.
More information

- **IT Research Computing**
  [http://www.it.udel.edu/research-computing](http://www.it.udel.edu/research-computing)

- **UD Campus Champion**
  Dean Nairn (dnairn@udel.edu)
Contact the IT Support Center

- **Email:** consult@udel.edu
- **Phone:** (302) 831-6000
- **Text:** (302) 722-6820