

# **Where to go and what to do next — resources, funding, mentors**

**Thursday afternoon**

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Executive Director  
Fermilab

# **We hope you enjoyed the learning!**

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- And we hope you are interested to continue to work with us:
  - Do and/or support research
  - Use our software
  - Use our resources
  - Contribute to our collaboration and team
  - Think about our problems and goals

# Help after the event

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There are many mail lists.

[gridschool-2010@opensciencegrid.org](mailto:gridschool-2010@opensciencegrid.org) will still exist.

Other useful ones:

[Vdt-support@opensciencegrid.org](mailto:Vdt-support@opensciencegrid.org) (software support)

[goc@opensciencegrid.org](mailto:goc@opensciencegrid.org) (operations center)

[Osg-sites@opensciencegrid.org](mailto:Osg-sites@opensciencegrid.org)

[Osg-vo-forum@opensciencegrid.org](mailto:Osg-vo-forum@opensciencegrid.org)

Condor homepage <http://www.cs.wisc.edu/condor/> And

Condor manual <http://www.cs.wisc.edu/condor/manual/>

OSG homepage [www.opensciencegrid.org](http://www.opensciencegrid.org)

TWiki home (don't be frightened)

<https://twiki.grid.iu.edu/twiki/bin/view/Main/WebHome>

Documents and presentations

<http://osg-docdb.opensciencegrid.org/cgi-bin/DocumentDatabase/>

# Keep in Contact

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- There is the Operations Center who will accept all requests.
- There is the All Hands Meeting in March in Boston –
  - we will invite (and sponsor) you for this to see how things are going!
- There are other meetings .e.g site administrators meeting in August, users phone meetings, Campfire chat rooms.
- Subscribe to iSGTW to get updates on science using distributed computing. [www.isgtw.org](http://www.isgtw.org)
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## **What if you, your professor, your system admin, your organization wants to participate further in OSG?**

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If you would like to build a cluster from hardware that you have purchased – or get advice on what hardware to buy – contact Dan Fraser ([osg-sites@opensciencegrid.org](mailto:osg-sites@opensciencegrid.org))

If you would like to access resources on the OSG – talk to your mentor. (see next slide)

If you/your organization would like to put in a proposal to your organization, NSF, DOE, NIH, NIST etc to collaborate and/or partner and/or be part of the OSG - OK! You can contact me for any information I have. We might write a letter about this being a success of the summer school ;-)  
Agencies like to hear about good results from education, collaboration and especially, of course, good research.

# Mentors

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Our aim is to continue to support and help you – and to know what works and what doesn't, what was useful from this school to help our planning for next year.

Mentors from the “core” OSG team will keep in touch with you proactively, and you can always contact them.

What do mentors do?

- Contact every so often on the phone.

- Help where needed.

- Tell you what is going on in OSG that might be interesting.

- Talk among ourselves on how its going as we plan for next year.

Timothy - Alain  
Shanshan – Tanya  
Brett – Igor, Dan  
Ryan - Igor, Dan  
Chen - Brian  
Rogerio - Dan  
Wenying - Tim  
James - Brian  
Kyungyong - Alain  
Michael - Alain  
Vishagan - Mats  
Rob - Ruth  
Dilip - Tanya  
Zhiyong - Dan  
Alex - Mine  
Yuhong – Mine  
Luo - Mats

# **You are funded to attend TG10 as well as the OSG summer school.**

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As you know unfortunately JP Navarro was not able to be here today.

I am hoping to be at TG10 on the Monday and Tuesday.



***TeraGrid***<sup>TM</sup>

<https://www.teragrid.org/web/events/tg10>

# Invited Speakers



## **"Importance of Cyberinfrastructure for Numerical Relativity"**

[Dr. Gabrielle Allen](#) Louisiana State University

*Tuesday August 3rd, 9:00 am*

In this talk, Dr. Allen will describe how numerical relativity has motivated and led to the development of the Cactus Framework - an open, collaborative component framework and set of toolkits for scientific computing.



## **"The Essential Role Cyberinfrastructure Plays in the Geosciences Portfolio"**

[Dr. Tim Killeen](#) National Science Foundation Geosciences Directorate

*Wednesday August 4th, 8:45 am*

Dr. Killeen will present a brief review of the geosciences investments in cyberinfrastructure and some of the significant outcomes and future plans..



## **"Challenges in Preparing Applications for Blue Waters"**

[Dr. Bob Wilhelmson](#) National Center for Supercomputing Applications

*Thursday August 5th, 9:15 am*

Dr. Wilhelmson will provide a brief overview of the Blue Waters project and focus on some of the applications that are being prepared for use on the system when it becomes available.





Open Science Grid

# Tutorials

- Running Parallel Simulations and Enabling Science Gateways with the NSF MATLAB Experimental Resource at Cornell
- How to Design an HPC Cluster
- Scalable Systems Management with Puppet
- Hands-on Tutorial for Building Cyberinfrastructure-Enabled and Community-Centric Science Gateway Applications
- Remote Scientific Visualization
- Cloud Technologies, Data Intensive Science and the TeraGrid
- Using vSMP and Flash Technologies for Data Intensive Applications
- Introducing RDAV & Nautilus—Resources for Remote Visualization, Data Analysis and Workflow Management
- Open Grid Computing Environments Software for Science Gateways
- **Computing Across Both Open Science Grid and the TeraGrid – John McGee, Mats, Krista Larson**
- Optimization in Multi-Core Systems
- Performance Analysis and Tuning for GPUs
- PerfExpert: An Automated Approach to Analyzing and Optimizing the Node-Level Performance of HPC Applications
- Running Applications at Scale on the First Academic Petaflop Supercomputer
- HPC Advisory Council Tutorial: HPC Applications Best Practices and the Effect of New Acceleration technologies

# Questions?

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Questions? Comments?

Feel free to ask me questions later:

Ruth, [ruth@fnal.gov](mailto:ruth@fnal.gov), ruthpordes on aim (and on facebook)