

Research Computing Advisory Committee

Minutes Oct 5, 2015 (taken by Erik Deumens)

Present: Paul Avery, Ana Conesa, Erik Deumens, Bill Farmerie, Richard Hennig, Steve Madore, Alberto Riva, Jack Stenner, Laurie Taylor

Updates

- We welcome some new members:
 - o Prof. Ana Conesa, Microbiology and Cell Science
 - o Prof. Richard Hennig, Materials Science & Engineering
 - o Prof. Jack Stenner, Art and Technology
 - o Dr. Steve Madore, Associate director of ICBR
- HiPerGator 2.0 has 24 racks. They have been connected and powered up. Next the Research Computing engineers will run the high-performance linear algebra benchmark. This tests and stresses all resources of the system and that allows identification of all weak and faulty parts. After such test, the system will run more stable for many years.
- The GaorVault security assessment was started. We hope it will be finished quickly. Then there will be a period where we will support a small number of users to get the kinks in the system.
- UFApps for research will be deployed in two phases. Phase 1 is almost ready to go. Then phase 2 will happen with the full integration of HiPerGator and the expansion of HiPerGator sometime in the spring of 2016.

Discussion

- The discussion on data policy development was continued from last month.
- Ideas for exascale applications were also discussed. As part of the national supercomputing initiative high-lighted by the President's executive order, agencies are asking for applications that will be enabled to make a break through with a 100-fold increase in compute power from the current 10 Petaflops to 1 Exaflops.

Organization

Next meeting will be on Monday November 7, 2015 at the usual location in NPB 2205 from 1:30 – 2:30 pm.