Research Computing Advisory Committee
Minutes Oct 3, 2016 (taken by Erik Deumens)

Present: Paul Avery, Peter Barnes, Erik Deumens, Ana Conesa, Richard Hennig, Lauren McIntyre, Alberto Riva, Jack Stenner, Laurie Taylor, Raffaele Vacca

Updates

- HiPerGator integration status:
  o The old /scratch/lfs has been evacuated and its storage blocks are now upgraded to version 2.5 and will be added to the new /ufrc starting this week.
  o Then the temporary reduction in quota will be relaxed.
  o Lustre 2.5 has a bug that impacts Robinhood, which is the hierarchical storage component that we want to deploy.
  o The attempt to upgrade to 2.8 revealed a bug that impacts the system as large as ours.
  o We are now looking into installing Intel Enterprise Edition Lustre 3.x.
- ResVault was presented at the Internet2 Tech conference in Miami, FL Sept 25-28, 2016.
  o Many institutions are interested. UF was invited to present at Educause 2017 and submit a white paper.
- Erik attended the NSCI; HPC and Security Workshop in Gaithersburg, MD Sept 29-30, 2016.
  o UF is clearly ahead of many institutions towards operating a scalable, usable, and affordable HPC environment for research that involves restricted data.
  o Restricted data = data governed by laws, regulations, and contractual agreements.

Discussion

SSERCA supports research computing and has been present at the annual Super Computing conference with a booth. SSERCA is now seeking input about conferences it could and should attend with a focus on non-traditional computing communities: humanities, social sciences, life sciences.

- Galaxy conference brings together a lot of computational biology experts
  o UFIT RC's Alex Moskalenko has attended several, including this year.
- Intelligent Systems in Molecular Biology has focus on computational genetics, bio informatics
- INSNA Sunbelt Conference on Social Network Analysis (International Network for Social Network Analysis) has emphasis on applications of social network analysis in many areas http://insna.org Lst meeting April 2016 http://insna.org/sunbelt2016/
- HASTAC (Humanities, Arts, Science and Technology Alliance and Collaboratory) is digital humanities focused. Next meeting in Orlando, FL is organized by Florida Digital Humanities Nov 2-4, 2017

Organization

Next meeting will be on Monday October 3, 2016 in the smaller conference room in NPB 2304 from 1:30 – 2:30 pm.