

Research Computing Advisory Committee

Minutes Dec 2, 2019 (taken by Erik Deumens)

Present: Paul Avery, Chris Barnes, Peter Barnes, Nikolay Bliznyuk, Ana Conesa, Erik Deumens, George Michailidis, Ann Progulsky-Fox, Erik Schmidt, Plato Smith, Laurie Taylor, Bruce Vogel

Updates

- HiPerGator 3.0 planning and deployment
 - o GPUs have been delivered and all 608 new GPUs (most RTX 2080ti and 48 RTX Quadro 6000) will be in production by Dec 20. The 80 old K80 GPUs will still be available as well.
 - o The new blue storage will be delivered Dec 20 and installation and testing will happen early Jan. Users will be able to start using /blue at the end of January. We plan to have all users migrated by May and /ufrc will then be turned off.
 - o RC will start an invitation to negotiate (ITN) process in January to acquire 20,000 new CPU cores to replace the 16,000 cores of HiPerGator 1.0. The ratio of RAM per core will increase from 4 GB/core. Both Intel and AMD are processors of interest in this ITN.
- UF participated in the SSERCA booth at Supercomputing 19 in Denver in November and gave a number of talks and attended numerous workshops and training sessions.
- The first RC Consultants meeting was held on Dec 10. The group contains people who have received special training on how UFIT RC operates and can provide extra support for faculty, students, and staff in the different units at UF. The group will meet quarterly to stay current with HiPerGator capabilities and RC processes and procedures. In addition, the meetings will provide extra training on various technical topics to further improve support.

Discussion

- **Applied artificial Intelligence at UF** To bring together all interested parties at UF in the context of UF's plan to create a center of excellence around applied artificial intelligence, **UFIT Research Computing** and the UF Informatics Institute will plan a workshop in March.
 - o The format will be to have a few experts on machine learning and deep learning provide an overview of what ML and DL is.
 - o Various domains will present in lightning talks and posters what they work on.
 - o The goal is to match problems with ways where ML and DL can contribute to solutions.

Organization

Next meeting will be in Jan 6, 2020 from 1:30 – 2:30 pm. The meeting will be in NPB 2165 and will be Zoom enabled for virtual attendance.