Research Computing Advisory Committee
Minutes Jun 2, 2025 (taken by Erik Deumens)

Present: Nikolay Bliznyuk, Chris Barnes, Philip Chang, Clint Collins, Gogce Crynen, Susmita Datta, Erik Deumens, Richard Hennig, Gail Keenan, Damon Lamb, Massoud Rouhizadeh

Updates
- **HiPerGator 4th Generation refresh update**
    - The NVIDIA DGX Cloud allocation will end on June 30.
    - The project is on time so far. The user newsleter will specify the timeline for the next few months. We expect production to start in September. There will be a ribbon cutting ceremony in early October.
    - The Lenovo system with 19,000 CPU cores and 600 L4 GPUs were delivered last week. They will be available to users in a few weeks. The old HiPerGator 2.0 is being dismantled and returned to the vendor for credit.
    - The new Blue storage system will arrive around June 9. After testing and validation, the process of moving data from the old system to the new system will be done in a rolling fashion, moving user groups at a time negotiated with the faculty, not during a planned shutdown of unpredictable duration.
    - The HPL benchmarks have been completed. Now we are running MLPerf benchmarks. These are managed by MLCommon.
    - The remaining 80 DGX A100 nodes will be returned in the end of June, which will trigger delivery of the remaining 31 DGX B200 nodes in early July. These nodes will then be wired, tested by NVIDIA, and tested by UFIT RC.
    - The whole DGX B200 system will run HPL and AI benchmarks to claim UF's status on the performance scales.

Discussion
- The operating system upgrade process from RHEL 8.10 to RHEL 9.5 has started. Both are available on dedicated login nodes and compute nodes so people can start testing and migrating heir software.
- Orange storage will be upgraded in 2026.

Next meeting will be on July 28, 2025 from 2:00 – 2:30 pm. The meeting will be Zoom only.