

# Research Computing Advisory Committee

Minutes Sep 18, 2023 (taken by Erik Deumens)

**Present:** S. Balachandar, Nikolay Bliznyuk, Chris Barnes, Gogce Crynen, Tajuana Chisholm, Gogce Crynen, Susmita Datta, Erik Deumens, Richard Hennig, Guillaume Labilloy, Rafa Munoz-Carpena, Parisa Rashidi, Alberto Riva, Bruce Vogel

## Updates

- **UFIT Research Computing staff changes**
  - o Three people have joined: Chris Benson, Qian, Zhao, Andre Chanderbali. Yang Hong will join Nov 10. The fifth person took another job after accepting our offer, so we are searching again.
  - o The IT manager for DevOps team has resigned. We are looking for a replacement. First we look for an internal candidate.
- **HiPerGator Digital Twin infrastructure**
  - o The orders have been placed and equipment started arriving.
  - o One digital twin of an intensive care unit is ready to view, another one of Heavener Hall is also ready. We will try to set up a demo next meeting.
- **UFNet3 upgrade**
  - o The campus backbone has been upgraded with new equipment to support 400 Gbps and the regional network for research and education (FLR) also runs at 400 Gbps.
  - o A pair of switches, for high-availability, to connect HiPerGator at 400 Gbps has been ordered. The delivery time is not firm yet.
- **Events**
  - o AT Days will take place with numerous events in the week of Oct 16-20. Please let you faculty know of this great opportunity to learn about AI and get caught up with the latest developments. <https://ai.ufl.edu>
- **NSF proposal**
  - o UF submitted a preliminary proposal to solicitation 23-570 Major Research Infrastructure 2 in June. We will hear whether we are invited to submit a full proposal by end of September.

## Discussion

- **NSF proposal.** What will the proposed system look like? How will it interact and connect with HiPerGator? It will be a separate system with separate support staff to support a national community of users.
- **Access by UF to OpenAI and ChatGPT.** UF has completed the work with Microsoft Azure to put access in place that will contain UF data to stay within UF control. The consumer ChatGPT takes your take and learns from it merging it with the data of the rest of the world. It will be rolled out this fall.

Next meeting will be on October 23, 2023 from 2:00 – 2:30 pm. The meeting will be Zoom only.