

# Research Computing Advisory Committee

Minutes Oct 23, 2023 (taken by Erik Deumens)

**Present:** Nikolay Bliznyuk, Chris Barnes, Philip Chang, Gogce Crynen, Susmita Datta, Erik Deumens, Richard Hennig, Guillaume Labilloy, Rafa Munoz-Carpena, Alberto Riva, Bruce Vogel, Jack Stenner

## Updates

- **UFIT Research Computing staff changes**
  - o Three people have joined: Chris Benson, Qian Zhao, Andre Chanderbali. Yang Hong will join Nov 10. Andre and Qian will have an office in the Microbiology and Cell-Science building, close to IFAS faculty. We are working with CLAS and HWCOE to get tow more offices close t0 the faculty in these colleges and neighboring colleges like fine Arts, Design Construction Planning, Business, etc.
  - o Internal candidate Justin Richardson will be promoted to become the IT manager for the HiPerGator DevOps team.
- **CASC presentation on HITRUST journey**
  - o Erik presented the journey UF undertook to get HiPerGator certified by HITRUST at the Coalition of Academic Scientific Computing Fall 2023 meeting in Arlington, VA Oct. 3-5. The presentation was made together with the auditor Frazier & Deeter, and the HITRUST Alliance. It was very well received and many institutions are exploring how to accomplish something similar for their research computing infrastructure.
- **AI Days Oct 16-20, 2023**
  - o AI Days were a success, with a lot of information shared with students and faculty.
  - o A lot of exciting projects are being worked on at UF with its partners.
- **NSF National Digital Twin Research Resource proposal**
  - o UF submitted a preliminary proposal to solicitation 23-570 Major Research Infrastructure 2 in June. We were not invited to submit a full proposal.

## Discussion

- One digital Twin project was funded by President Sasse's strategic fund to explore the possibility of the enormously ambitious aim to build a digital twin for the State of Florida. There are many colleges and many PIs involved. Dr. Munoz-Carpena reports that the team is discussing how to harmonize data so everything can work together. Dr. Deumens replies that data harmonization has been worked on since databases were created in the 60s. The solution is to work in a framework that requires everyone who brings data to also bring a data-conversion plug-in that can read their data and provide data to the framework.

Next meeting will be on December 27, 2023 from 2:00 – 2:30 pm. The meeting will be Zoom only.