FSU | RESEARCH COMPUTING CENTER
INFORMATION TECHNOLOGY SERVICES

RCC eNEWSLETTER • OCTOBER 2026

We're adding 7,168 cores to the HPC

In the coming weeks, we will be adding **7,168** cores to the HPC cluster. We recently completed an order of **28** new liquid-cooled compute nodes, which we'll be rolling out soon. The nodes have the following specs:

- 2x Intel Xeon 6980P processors
- 1.5 TB memory
- 400Gbps NDR Infiniband networking

As per our usual policy, researchers and labs that have bought into the cluster will get priority access. We will send a message on our systems notice distribution list when the new nodes are fully configured.

View cluster information »

New GPU nodes / LEEP Grant

In the coming months, we will add three new GPU compute nodes to the HPC cluster through the FSU Large Equipment Enhancement (LEEP) Program. Each node will have three NVIDIA RTX 6000 Pro Blackwell GPU cards (96 GB VRAM each), 16 CPU cores, 768 GB memory, and 400Gbps NDR Infiniband networking.

Learn about the FSU LEEP grant program »

TotalView Webinar: October 27 @ 9am

Join us at 9am on October 27 for this one-hour webinar in which Perforce will

present some of the TotalView debugging software features with a specific focus on Python debugging. Other topics (as time allows) will include GPU debugging, MPI parallel debugging, and hybrid parallel debugging (MPI + OpenMP or CUDA).

See more information »

October 28: REDCap E-Consent Framework presentation

FSU REDCap is a HIPAA-compliant, web-based application that facilitates data collection and management for research. It is ideal for projects that have PHI or other sensitive information.

Join us this coming **Wednesday, October 28** as we walk you through setting up and optimizing the E-Consent Framework to ensure your project stays compliant, organized, and easy for participants to navigate.

See all REDCap LLC meetings »

November 4-5: MATLAB Expo Online

Join MATLAB EXPO Online 2026 to connect with MathWorks and industry experts to learn about the latest trends and advancements in engineering and science. You will discover new features and capabilities for MATLAB and Simulink that you can immediately apply to your work. The event is free, but registration is required.

Register »

New and Updated Software

- **New:** IMOD - 3D reconstruction for EM serial sections
- **New:** COOT Open OnDemand application
- **New:** UCSF Chimera Open OnDemand application
- **New:** cisTEM - cryo-EM software
- ↑ **Updated:** RELION 5.0
- ↑ **Updated:** ORCA 6.1.1
- ↑ **Updated:** Anaconda 3.14.6

See our full software catalog »

REDCap upgraded to v17.3.12

On September 24, we successfully upgraded our production REDCap server

from version 16 to 17. Besides several security and bug fixes, version 17 includes the following:

- Enhanced alert Logic
- Unified e-consent controls
- Accessibility upgrades
- Built-in mobile PDF viewer

Log in to REDCap »

Research Spotlight: Leo Liu

Dr. Leo Liu, an assistant professor in the Department of Chemical and Biomedical Engineering at FAMU-FSU College of Engineering, uses the HPC cluster to study blood flow and clotting mechanisms. His research reveals how mechanical forces from blood cells activate clotting proteins, offering insights into heart attacks and strokes. The work could lead to improved drugs and medical devices, with AI playing a key role in advancing these tools.

Read the spotlight »

Congrats to NSF CAREER award partners

Six early-career faculty members at Florida State University have earned the prestigious National Science Foundation CAREER Award, one of the federal agency's most competitive honors.

Among the recipients are several RCC partners, including Cyprian Lewandowski, Kai Zhao, Xiaonan Zhang, and Amy Webster.

Read the FSU News article »

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Questions?
We are here to help. Contact the ITS Service Desk at 850-644-4357 or its.fsu.edu/help.

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