



RCC eNEWSLETTER • DECEMBER 2025

Winter Holiday Notice

It's that time again! FSU is closing for the holidays starting Monday, December 22, 2025 and lasting through Friday, January 2, 2026.

During this time, all systems will remain operational, but RCC staff will respond only to urgent requests. We will resume regular working hours on **Monday, January 5.**

As always, have a safe, relaxing, and **high-performance** holiday season!

Quantum Qiskit available on the HPC

In support of the [FSU Quantum Initiative](#), we have added IBM's Qiskit software to the HPC software library. Qiskit is the world's most popular and performant software stack for quantum computing and algorithms research.

[Start using Qiskit »](#)

GPU systems available in the HPC

GPU compute nodes are available for lease at 50% subsidized rates. The rate is currently **\$6,000** for a **five-year dedicated lease**. Current models are **NVIDIA RTX 4500 Ada Generation** (2x per node) and **NVIDIA RTX A4000** (2x per node).

[See our pricing page for details »](#)

Use the HPC for teaching

The HPC is available at no cost for classroom and instructional use. Each course receives dedicated classroom accounts with full access to SSH, Open OnDemand, and home directories. Our staff will assist with installation of software packages and any special needs.

[See more information about HPC classroom use »](#)

Other new and upgraded HPC software

We are happy to announce the general availability of several new and upgraded packages on the HPC:

- **↑ Updated:** [VisIt v3.4.2 - Visualization tool to create scalable animations](#)
- **New:** [RFDiffusion v1.1.0 - Deep learning protein design for motif scaffolding](#)

In case you missed the last newsletter, we also upgraded the following packages recently:

- **GROMACS 2025.3 w/GPU support** - Molecular dynamics package
- [TotalView 2025.2.6](#) - Debugging and analysis tool for HPC applications
- [Kokkos v4.7.00](#) - Programming model for writing portable applications
- [OpenMPI for NVHPC](#) - OpenMPI now works with NVHPC compilers
- [AI Playground](#) - Open OnDemand app for testing and running LLMs

[See all software packages »](#)

2026 Python Bootcamp

March 31, 2026 | 9-4pm

Our popular free, all-day, hands-on Python programming bootcamp is returning for 2026. It serves as an introductory course, and no previous programming experience is necessary. The day will be divided into four sessions: you'll learn basic programming in the morning and transition to more advanced topics in the afternoon.

There is an in-person limit of 50 attendees, so register now to guarantee your spot!

[Details and registration »](#)

More Spring 2026 Workshops

In addition to the Python Bootcamp, we are presenting three other workshops.

- February 03 - Parallel MATLAB on the HPC
- February 17 - Intermediate databases and SQL
- March 3 - Introduction to the HPC and Open OnDemand

[View Events Calendar »](#)

FSU and Amazon Web Services Research Acceleration Fund

Amazon Web Services (AWS) and the FSU Vice President for Research have partnered to invest \$200,000 in a funding opportunity designed to advance research innovation through cloud-based technology.

The program will provide faculty with up to \$20,000 in Amazon Web Services and the opportunity to be trained on how to utilize the AWS platform – a secure environment – for their research needs. This opportunity is open to all full-time, active-status faculty (see job code eligibility list in the RFP). Students and non-FSU collaborators are eligible to be Co-PIs. The deadline for proposals is **Monday, Jan. 5.**

[See more information and apply »](#)

Research Spotlight: Dr. Hongyuan Cao

FSU Professor Dr. Hongyuan Cao is driving medical innovation through her research on genomic features, which aims to pinpoint molecular targets for drug development. Her work provides pharmaceutical companies with crucial data for designing targeted, genetic-level treatments that could lead to future medical breakthroughs. She also applies statistical modeling to public health, stratifying patient risk for time-to-event outcomes like cardiac arrest to ensure efficient resource allocation in healthcare.

[Read the spotlight »](#)

REDCap Upgraded to v15.5.23

REDCap (Research Electronic Data Capture) is a HIPAA compliant web-based research survey and data management application that provides secure data capture that supports the storage of PHI and other protected information.

We recently upgraded to a new version of REDCap: 15.2.23 (FSU ITS system). Users can enjoy improvements to longitudinal project management, updates to the survey invitation process UI, improved user interface, among other new features.

[See more information about REDCap »](#)



Questions?

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

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