
RCC eNEWSLETTER • JUNE 2026

HPC Upgrade & Downtime

The planned upgrade is still on-track for early August (**Aug 3 - 7**). We will provide more details and confirm the timing later this summer. Along with the upgraded operating system, we are upgrading the compilers and library platforms that we support. For details, see our [recent announcement](#).

The upgrade will bring the cluster to **AlmaLinux 9**, which comes with new versions of Linux system tools, new compiler versions, and a job scheduler upgrade to Slurm 25.11.

[Read more details »](#)

VS Code on the HPC

Running VS Code remotely on our login nodes has proven to be unreliable. We have published a guide to best practices for using VS Code on the HPC. There are currently two options:

1. Run VS Code entirely inside of an Open OnDemand instance.
2. Run VS Code on your local workstation and connect directly to an HPC compute node through an SSH tunnel.

We encourage you to try your preferred method and send us any feedback on our documentation.

[See the guide »](#)

Local LLMs on the HPC

As part of the [AI Initiative at FSU](#), we support development and research using local models on the HPC. Use the [AI Playground](#) app in Open OnDemand for inference (e.g., chatting just like you would using Gemini or Copilot). Or, use an [Ollama instance](#) running on the HPC to do fine-tuning with [Python](#) or [R](#).

This is just the start of our support for AI at the RCC. In the coming months, we will expand support to more AI runtimes like vllm, more models, and more documentation.

[Check it out »](#)

New and upgraded HPC software

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

- **New:** [NeoVim 0.8.0](#) - Vim-based text editor engineered for extensibility and usability

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

- **New:** [Gurobi v12.0.3](#) - State-of-the-art software solver for mathematical optimization (Python package)
- **↑ Updated:** [MATLAB 2025b](#) - Full-featured development platform for math and science
- **↑ Updated:** [TotalView 2025.2.6](#) - Debugging and analysis tool for HPC applications

[See all software packages »](#)

Spotlight: Dr. Erman Ozguven

Dr. Eren Erman Ozguven investigates community disaster resilience by analyzing how critical infrastructure systems like roadways and power grids interact during extreme weather events. He and his team use RCC resources to run large-scale simulations that examine both the characteristics of disasters and the inter-dependencies among these vital utility and transportation networks. His team can model hazards, analyze infrastructure systems and develop tools that help communities prepare for the next crisis before it arrives.

[Read the spotlight »](#)

Congratulations to our collaborators!

RCC research collaborators **Mike Shatruk** and **Vladimir Dobrosavljevic** were among the four FSU professors awarded the title of Distinguished Research Professor.

[Check out the full article »](#)

Also, three RCC collaborators were among the seven FSU faculty who were elected to the Academy of Science, Engineering and Medicine of Florida in Florida (ASEMFL): **Survanu De** from Engineering, **Harrison Prosper** from Physics, and **Mike Shatruk** from Chemistry.

[See the full list »](#)

REDCap Lunch Learn & Collaborate

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.

We host monthly Lunch, Learn, and Collaborate sessions where REDCap'ers get together to discuss all things REDCap. [This month's session on Wednesday, June 24](#) focuses on piping, action tags, smart variables, external modules, and using REDCap for payment tracking.

[See all REDCap LLC meetings »](#)



Questions?

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

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