



RCC eNEWSLETTER • APRIL 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 »](#)

New and upgraded HPC software

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

- **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

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

- **New:** [OpenIFS v48r1](#) - numerical weather prediction model for research use

- **New: [COOT v0.9.8](#)** - GUI macromolecular modeling and simulation system
- **New: [Phenix v2.0.5](#)** - macromolecular structure determination using crystallographic and electron cryo-microscopy data
- **New: [UCSF Chimera v1.19](#)** - interactive molecular visualization and modeling program
- **New: [UCSF ChimeraX v1.10](#)** - macromolecular visualization and analysis

[See all software packages »](#)

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 »](#)

Spotlight: Dr. Thomas Stephan Juzek

Dr. Thomas Stephan Juzek, an assistant professor of computational linguistics at FSU, is investigating how AI-generated language is reshaping human communication and model alignment. He utilizes GPU and storage resources in the HPC to identify "AI-associated phrasing" and lexical biases in large language models (LLMs) with the aim of better understanding their societal impact.

[Read the spotlight »](#)

HPC Cluster Explorer

New! Browse HPC compute node details in our self-service portal. View node details, queues/partitions, and aggregate statistics about the cluster.

[Check it out »](#)



Questions?

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

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