
RCC eNEWSLETTER • OCTOBER 2025

New and Upgraded HPC Software

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

- **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 »](#)

Fall 2025 Workshops and Events

As part of our outreach and education initiative, we are partnering with the FSU Libraries to present four technical workshops to the FSU research community. Our three remaining Fall, 2025 events include:

- **October 14** - Parallel "R" on the HPC
- **October 21** - Introduction to Relational Databases & SQL
- **October 29** - Monthly REDCap Lunch, Learn and Collaborate

[View Events Calendar »](#)

New self-service portal: my.rcc.fsu.edu

We have deployed a new version of our self-service web portal with improved performance, many bug fixes, and new functionality.

[Take a look »](#)

Free Coursera Course: Linux tools for text processing

This UCSD-sponsored course starts with the basic Linux tools *head*, *tail*, *wc*, *expand*, *tac*, *paste*, *nl*, *tr*, *sort*, *shuf*, *uniq*, *split*, and *cut*. We then move on to *grep*, *awk*, and *sed*, followed by a full coverage of regular expressions. The emphasis is on choosing the right tool for the job, understanding the subtle ways things can go wrong and chaining together multiple tools to automate data processing workflows.

[Check it out »](#)

Updated HPC Cheat Sheets

We recently updated our HPC cheat sheets. Download and print them, or send us a [support request](#), and we'll print and deliver them to you.

- [HPC Cheat Sheet](#)
- [Slurm Scheduler Cheat Sheet](#)
- [Linux \(BASH\) Cheat Sheet](#)

[Check out the cheat sheets »](#)

Research Spotlight: Dr. Yan-Yan Hu

Dr. Yan-Yan Hu, a Professor in FSU's Department of Chemistry and Biochemistry, conducts research in two distinct but impactful areas: developing functional materials for advanced energy storage (specifically rechargeable batteries) and investigating protein-protein interactions essential for biological functions, such as those within the *Mycobacterium tuberculosis* divisome, to combat drug resistance. A recipient of multiple awards, including the NSF CAREER Award, Dr. Hu's work is driven by a shared goal of making a meaningful global impact—advancing daily life through energy technology and improving public health. To achieve a deep understanding of materials' structural features and properties for the next generation of high-performance batteries, she relies heavily on the HPC provided by FSU's Research Computing Center (RCC).

[Read the spotlight »](#)

IDHI Collaboration with Modern Languages and Linguistics Department

As part of the Interdisciplinary Data Humanities Initiative, the RCC is sponsoring

a graduate assistant from the Department of Modern Languages and Linguistics, Xiaoyang Ming under the supervision of Prof. Tom Juzek. This joint position will support Prof. Juzek's research on large language models (LLMs) by leveraging RCC resources while also developing workflows and resources that will serve as examples for future researchers.

[More information on Prof. Juzek's work »](#)

REDCap Migration from Medicine to ITS Underway

We are currently in the process of a months-long migration from the [College of Medicine REDCap](#) to the [ITS REDCap system](#). So far in ITS REDCap, there are 72 production projects and 232 development projects, servicing 205 FSU users, 23 external users representing 9 institutions and 15 FSU departments.

[Migration FAQs »](#)



Questions?

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

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