

## **Using GAIVI for GPU Computing**

GAIVI has long been a pain point for USF Computer Science and its other users. But now, major steps have been taken towards harnessing its full functionality as a cluster, and GAIVI is currently ready for heavy GPU computations. In this talk, we discuss account creation and storage rules, creating jobs, and most importantly, running GPU code with CUDA and packages which depend on CUDA. We also discuss job creation rules to ensure everyone has as smooth a computing experience as possible. Finally, we cover plans for future changes and modifications to optimize the experience.