



HIGH PERFORMANCE COMPUTING CENTER

Spring 2016 Newsletter



OSU HPCC & Twitter

Matt Haffner, OSU Geography



OSU geography graduate student Matt Haffner is one of an emerging group of social scientists who is using high performance computing in the course of his research.

Matt's academic interests broadly include Urban Geography, Geographic Information Science and the Geoweb.

For his dissertation, Matt is receiving roughly 8GB of raw data from Twitter each day. Using a series of scripts in Cowboy, he parses out and organizes the information he needs. He looks at this new data for patterns in urban areas related to mobility, content, etc. and compares this to socioeconomic variables in the region.



100G Ring Supports OSU's Bioinformatics Research

Brian Couger, a researcher at OSU, uses supercomputers regularly for his work in bioinformatics. He said that researchers at OSU have been able to evaluate the use of fungi in biofuels, study pathogens that damage poultry populations, analyze the human genome for diseases and numerous other experiments that have real-life implications for the state of Oklahoma and beyond.

Couger said that supercomputers and high-speed networks like OneNet's are allowing scientists to more efficiently study genetics than ever before, which in turn has significant value for the future of science.



OSU HPCC bioinformatics specialist Brian Couger

[Read the full story here...](#)



Upcoming Events

May 23-24, 2016

Software Carpentry Workshop

8:30-4:30 p.m., 206 Edmon Low Library

Register at:

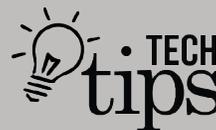
osu-swc.github.io/2016-05-23-okstate/

MATH 2910: Update

Dana Brunson, OSU HPCC director, is wrapping up the first semester of [MATH 2910: HPC in Math](#).

The one-credit-hour Honors course provides students with an introduction to the use and value of high performance computing. Students learn key issues in supercomputing while learning to use OSU's supercomputer Cowboy.

MATH 2910 has been reapproved for the fall 2016 semester, and the class has already reached maximum enrollment.



FILE TRANSFERS: To and from Cowboy

You may already know about WinSCP, Filezilla and Globus (for large file transfers) from the HPCC website.

We recently added instructions to our site for an application called Cyberduck (Windows & Mac OS). Click the duck to learn more.



Questions or Suggestions?



Email hpcc@okstate.edu to be connected to an OSU HPCC staff member ready to help.