

THE CENTER FOR ADVANCED COMPUTER STUDIES

at

the University of Louisiana at Lafayette

Lafayette, Louisiana

Proudly announces a presentation

Mr. J. Bradford Burkman

Principal Lecturer in Mathematics

XSEDE Campus Champion

Louisiana School for Math, Science, and the Arts

will give a presentation entitled

What is High Performance Computing, and How Can I Use It?

Abstract

This talk will give an overview of the history, rationale, applications, hardware, and software models used in high performance computing. Using the example of matrix-matrix multiplication, it will discuss shared memory multithreading, distributed multiprocessing, and using accelerators.

DATE: FRIDAY, SEPTEMBER 28, 2018

TIME: 11:00 A.M. - 12:00 NOON

LOCATION: OLIVER, ROOM 112

Biography

Brad Burkman is a first-year PhD student, with an MA in Mathematics from SUNY Buffalo. He teaches mathematics at the Louisiana School for Math, Science, and the Arts, but is on sabbatical this year. He has been using HPC since 2009 to parallelize his work. He is a member of the ACM SIGHPC Education, the NSF ACCI Working Group on LWD (K12), the LA-SiGMA GPU group, and is the only XSEDE Campus Champion who works for a high school.

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