

# APS Scientific Computation Seminar Series

Speaker: Joseph Insley  
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Title: Using ParaView for Scientific Data Visualization

Date: Monday, May 16, 2016

Time: 1:00 p.m.

Location: 401/A1100

Host: Nicholas Schwarz and Brian Toby

## Abstract:

ParaView is an open-source, multi-platform data analysis and visualization application. ParaView was developed to analyze extremely large datasets using distributed memory computing resources. It can be run on supercomputers to analyze large datasets as well as on laptops for smaller data, has become an integral tool in many national laboratories, universities and industry, and has won several awards related to high performance computation. Users can quickly build visualizations to analyze their data using qualitative and quantitative techniques. Data exploration can be done interactively in 3D or programmatically using ParaView's batch processing capabilities.

In this demonstration, participants will get an overview of some of the basic features of ParaView. ParaView's remote rendering capabilities will show how the system can be used to visualize and explore large datasets. The ability to batch and script operations using the Python environment within ParaView will be introduced. Attendees will learn about the computing resources available for large-scale visualization at the Argonne Leadership Computing Facility (ALCF).