

## Scientific Visualization with Paraview

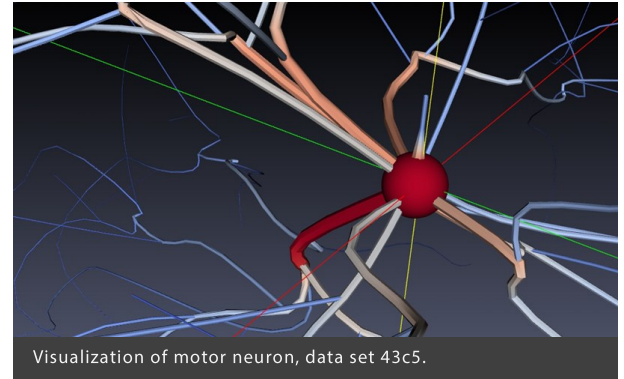
**Date:** Monday December 8, 2014

**Time:** 1:00PM - 4:30PM

**Cost:** No Charge

**Location:** ETLC 2-005 University of Alberta

**Instructor:** Dr. Jon Johansson



**Description:** This workshop presents principles and methods for visualizing data resulting from scientific measurements and computations. We discuss basic principles of scientific visualization and aspects of successful visualizations. The discussion will focus on Paraview, but the concepts apply to other visualization tools. Users of Paraview are able to explore data and create visualizations using a visual programming interface. Paraview is open-source and multi-platform, providing great flexibility in collaborative sharing of results.

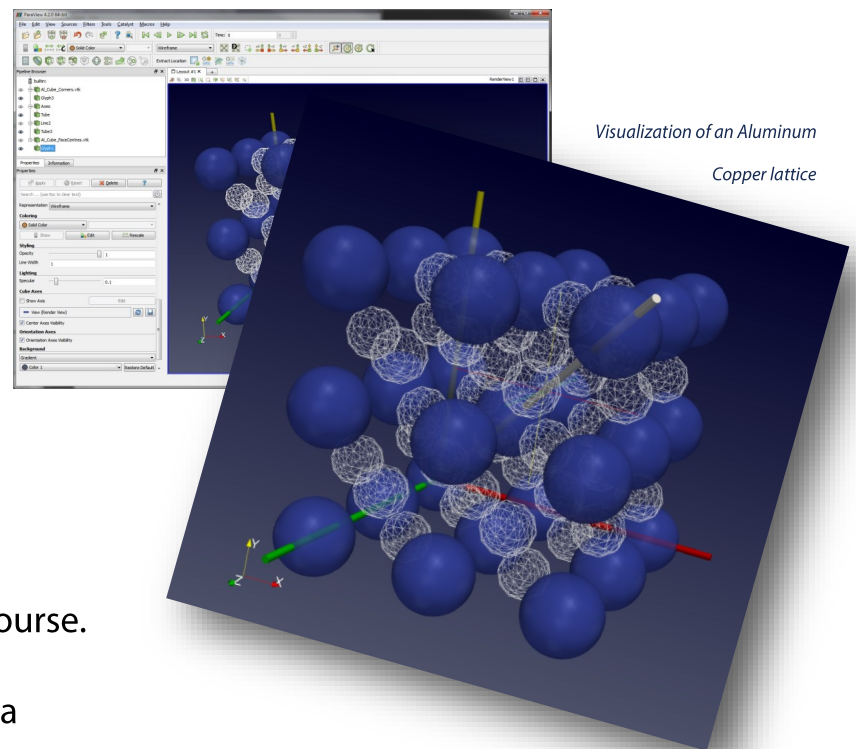


We will work through examples using visualization techniques such as:

- ◆ color mapping,
- ◆ surface extraction,
- ◆ glyphs,
- ◆ visualization of scalar and vector fields,
- ◆ isolines and isosurfaces,
- ◆ coloring,
- ◆ and animation, as time permits.

Some programming experience is recommended for this course.

**Who should attend?** Researchers with an interest in data analysis and visualization.



The venue is a computer lab and the machines are powerful enough to do the exercises. You are welcome to bring your own laptop and use it for the exercises. If you are bringing your own laptop you can download an installer from: "[www.paraview.org/download](http://www.paraview.org/download)". You will need to have a UofA CCID to access the lab machines and the campus network.

**Workshop sponsored by the Advanced Materials & Processing Laboratory at the University of Alberta.**

**Register online: [videreanalytics.ca/events/scientific-visualization-with-paraview/](http://videreanalytics.ca/events/scientific-visualization-with-paraview/)**

