

Information Science and Technology Seminar Speaker Series

Patricia Crossno
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Slycat™ Analysis and Visualization

Wednesday, August 31, 2016

3:00pm - 4:00pm

TA-3, Bldg. 1690, Room 102 (CNLS Conference Room)

Abstract: I will be describing Slycat™, a web-based system for performing data analysis and visualization of potentially large quantities of remote, high-dimensional data. Slycat™ specializes in working with ensemble data. An ensemble is a group of related data sets, which are typically a set of simulation runs exploring a shared problem space. An ensemble can be thought of as a set of samples defined on a common set of variables, where each sample is a vector of values defining a point in high-dimensional space. Ensemble analysis looks at the shared behaviors and common features of the group in an effort to understand and describe the underlying problem domain. Additionally, ensemble analysis tries to quantify any differences found in members that deviate from the rest of the group.

Biography: Patricia Crossno is a Principal Member of Technical Staff in the Scalable Analysis and Visualization group at Sandia National Laboratories. Her research interests include visual representations for abstract data, time series analysis and visualization, visualizing ensembles of simulations, and model comparison and evaluation.

For more information contact the technical host Curt Canada, 505-665-7453, cvc@lanl.gov.

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