Computer Science Colloquium

Integrating Analysis of Disparate Data using High-level Visualizations

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Olsen 311
Refreshments at 2:30, Talk from 3:00-4:00

Analysis of biomolecular and medical data requires more than just answering the question "What does the data say". Rather, the goal should include an answer to the question "What do I do next?" To achieve this goal, one must understand the data thoroughly, without focusing only on the initially-posed hypotheses. This requires methods for exploring the data that are not solely reliant on statistical tests or traditional plotting. Being able to make effective decisions also requires that the data be interpreted in light of other experiments, as well as historical data such as the scientific literature. This presentation will describe novel visual approaches that enable solutions to these issues.

Bio: Jeff Saffer is the President and Chief Technology Officer for OmniViz, a provider of visual data mining solutions. Before founding OmniViz, Dr. Saffer led the Visual Informatics effort and was Head of the Molecular Biosciences Department at Battelle. Jeff received his Ph.D. in Molecular Biophysics and Biochemistry from Yale University. He was a fellow at the National Cancer Institute and then an Associate Staff Scientist at The Jackson Laboratory before joining Battelle. Jeff has been involved in informatics for more than two decades and has a special interest in helping people understand large volumes of data.