

## CIS RESEARCH SEMINAR

Speaker: Sue Davidson

Title: "Managing Provenance through User Views in Scientific Workflows"

Date: Thursday, October 18

Time: 3PM

Location: Wu & Chen Auditorium  
Levine Hall

### Abstract:

The technique we pursue is that of "user views." Since bioinformatics tasks may themselves be complex sub-workflows, the notion of a user view determines what level of granularity the user can see in the workflow. For example, biologists may simply wish a view in which reformatting tasks are hidden and biologically relevant tasks are seen. Thus the user view determines what data products and tasks can be seen and queried when answering questions of provenance. This talk gives an example of a phylogenomic analysis workflow, discusses the notion of user views relative to this workflow, demonstrates how user views can be used in provenance queries, and discusses how a user view is generated based on what tasks the user perceives to be biologically relevant in the workflow specification.