

Seminar Friday, 17 December at 10am:-

**‘Using Montage, an Astronomical  
Image Mosaicking Application, to Explore  
Parallel and Distributed Computing’**

**Presented by Dr. Daniel S. Katz**

**(Location: Rm 135, Bldg 26, Clayton Campus)**

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**Abstract:**

This talk will discuss *Montage* (<http://montage.ipac.caltech.edu/>), an *astronomical image mosaicking application that is a toolbox of independent components*. The Montage components can be used in a variety of settings, including on a single system, on a parallel system, or on a set of distributed systems, including grids and clouds. Montage, which was built to use MPI in parallel, and Pegasus/DAGman on distributed systems, has also been used as an exemplar workflow application by a number of other tool and system developers.

In this talk, some recent work with Montage will also be discussed, including the use of multiple types of infrastructure/middleware, and the use of scripting to allow a user to easily customize their use of the Montage components.

**Biography:**

Daniel S. Katz is the TeraGrid GIG Director of Science, and a Senior Fellow in the Computation Institute (CI) at the University of Chicago and Argonne National Laboratory. Visit: <http://www.ci.uchicago.edu/~dsk/>