# **Optimizing Data Movement for GPU-Based In-Situ Workflow**

**Bo Zhang\*, Manish Parashar\*** \*Scientific Computing and Imaging Institute, University of Utah

## **Background & Motivation**

- simulations and analyses have been ported to GPUs.
- SHAW-Vis Workflow (SNL)



MURaM-MFLineVis Workflow (NCAR)



## Inter-Application I/O in Staging-Based In-Situ Workflow







Laboratories

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