

# 2018 IXPUG SDVis Workshop @ Argonne

## **Ascent** related Hacking and Conversations

- Who was Involved: Folks from LLNL, ORNL, Intelligent Light, and LBL
- What Transpired:
  - Worked out recipes for building Ascent on:
    - ALCF: Theta (MPI + OpenMP) and Cooley (MPI + OpenMP, MPI + CUDA)
    - TACC: Stampede 2 (MPI + OpenMP)
  - Explored strategies for connecting Ascent capabilities in-transit using Conduit Blueprint data
  - Worked with ADIOS experts to understand capabilities in ADIOS and ADIOS2
    - **Being in the same room was extremely valuable!**
- Future Plans:
  - Work with ADIOS team to close gaps for Conduit and Ascent use cases
  - Explore Ascent MPI MPMD for simple staging
    - To help prepare for ADIOS2 or Sensei in-transit scenarios