

CUP-ECS Annual Meeting

RT/AST/NNSA personnel conference room – **Santa Ana A**

Main event – **Lobo A**

Monday, August 23

8:00-9:00 am (RT/AST/NNSA personnel) – Private breakfast meeting

9:00-9:05 Provost’s Welcome - James Holloway, UNM

9:05-9:15 Center Director’s Welcome –Patrick Bridges, UNM

9:15-10:00 Center Overview

10:00-10:15 Discussion

10:15-10:30 Break

10:30-10:45 Overview of research activities and accomplishments – Patrick Bridges

10:45-11:15 Assessment – Puri Bangalore, UA

11:15-11:45 Regular Halo Exchange – Tony Skjellum, UTC

11:45 – 12:00 Discussion

12:00-1:00 pm Lunch

1:00-1:30 Irregular Halo Exchange – Amanda Bienz, UNM

1:30-2:00 Z-Model – Thomas Hines, UTC

2:00-2:30 Research Infrastructure – Derek Schafer, UTC

2:30-2:45 Discussion

2:45-3:00 Break

3:00-3:15 Education and Lab Interactions – Patrick Bridges

3:15-3:30 Year 2 Plans and COVID Impact – Patrick Bridges

3:30-5:15 Poster session introduction – Patrick Bridges

- Persistent and Partitioned MPI for Regular Halo Exchange, **Gerald Collom**, UNM
- Analyzing GPU Communication Costs in MPI Applications, **Keira Haskins**, UNM
- Modeling Partitioned MPI Communication Performance, **Jered Dominguez-Trujillo**, UNM
- MPI Communication Performance of a Shock Hydrodynamics Application, **Ryan Goodner**, UNM
- Unstructured Communication in AMR Applications, **Tanner Broaddus**, UTC
- Benchmark for AMR Based Unstructured Communication, **Savannah Camp** and **Tanner Broaddus**, UTC
- MiniMod: A Modular Miniapplication Benchmarking Framework for HPC, **Pepper Marts**, UNM
- MPI Advance - Supporting Next-Generation MPI Functionality in Advance, **Derek Schafer**
- A Unified Lab Notes Framework for Experimental Reproducibility in HPC Systems, **Ryan Marshall**, UA

5:15-6:30 (RT/AST/NNSA personnel) Caucus & generation of questions

6:30-8:00 Dinner with all participants – D.H. Lescombes Winery & Bistro, Old Town

Tuesday, August 24

8:00-9:00 am (RT/AST/NNSA personnel) Private breakfast meeting

9:00-10:00 Center response to questions raised the previous day

10:00-11:30 (RT/AST/NNSA personnel) Private deliberations to discuss findings and outline report

11:30-12:00 RT summary of findings for Center management and NNSA

12:00 pm Review ends