

CUP-ECS Annual Meeting

RT/AST/NNSA personnel conference room - Sequoya Room

Main event - Chickamauga Room

PSAAP Annual Review 2022 - Main Room

<https://unm.zoom.us/j/98040726508>

Passcode: CUPECS

Meeting ID: 980 4072 6508

Thursday, September 29

8:00 - 8:50 am (RT/AST/NNSA personnel) - Private breakfast meeting

8:50 - 9:00 UTC Welcome - Dr. Joanne Romagni, Vice Chancellor for Research, UTC

9:00 - 9:05 Local Welcome - Anthony Skjellum, UTC

9:05 - 10:00 Center Director's Welcome and Center Overview - Patrick Bridges, UNM

10:00 - 10:15 Discussion

10:15 - 10:30 Break

10:30 - 10:50 Overview of research activities and accomplishments - **Patrick Bridges**, UNM

10:50 - 11:25 Research Infrastructure - **Derek Schafer**, UNM

11:25 - 12:00 GPU Point-to-Point Communication - **Puri Bangalore**, UA

12:00 - 12:15 Discussion

12:15 - 1:00 pm Lunch

1:00 - 1:35 Locality-Aware Communication - **Amanda Bienz**, UNM

1:35 - 2:10 Assessment - Applications, Proxies, and Benchmarks - **Patrick Bridges**, UNM

2:10 - 2:45 Communication Abstraction Design - **Tony Skjellum**, UTC

2:45 - 3:00 Discussion

3:00 - 3:15 Break

3:15 - 4:30 Student presentation session introduction - **Patrick Bridges**, UNM

Gerald Collom, UNM, Optimizing Hypre with Node Aware Parallelism

Carson Woods, UTC, Modeling and Benchmarking Irregular MPI Communication Performance

Garrett Hooten and Riley Shipley, UTC, Digging into MPI Performance with Caliper

Thomas Hines, UTC, Experimenting with LibMP

Ryan Marshall, UA, A Unified Lab Notes Framework for Reproducibility on Exascale Systems

4:30 - 6:30 (RT/AST/NNSA personnel) Caucus & generation of questions

6:30 - 8:00 Dinner with all participants (Rodizio Grill Brazilian Steakhouse Chattanooga Downtown, 439 Broad St, Chattanooga, TN 37402)

Friday, September 30

8:00 - 8:45 am (RT/AST/NNSA personnel) Private breakfast meeting

8:45 - 9:30 Center response to questions raised the previous day

9:30 - 9:45 Year 3 plans and lessons learned

9:45 - 10:00 Discussion

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

• Discussions between Center management (PI and co-PI) and AST

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

12:00 pm Review ends