UTEP-PNNL-DDL meeting

April 26, 2024

Agenda

1. NERSC Perlmutter
   1. No reduction in our allocation since our allocation started after Jan 15
   2. Storage areas – Common for shared data – let’s put datasets there
2. MLPerf HPC Benchmarks
   1. Results so far
   2. Roofline models - previous work
   3. Communication overheads
3. Collaborations
   1. KTH Sweden -- data movement
   2. UTK PAPI -- SDEs for operation counts
   3. Damian Rouson, LBL -- on hold until summer/fall
4. Summer plans
   1. Operator/tensor expression based modeling – Briana
   2. Communication measurements using Score-P – Christopher (with Deepak)
   3. Communication overhead analysis – William
   4. PNNL internship -- Irvin, Alejandro
5. Possible paper venues
   1. PMBS’24 – August 7/September 13 deadlines for full/short papers
   2. Parallel tools workshops (ProTools 24 at SC’24, HLRS Parallel Tools Workshop usually in fall in Germany)
   3. MLSys’25 (deadline usually in October)
6. Presentations and updates from students
   1. Briana
   2. Samantha
   3. Irvin
   4. Other?