2019 UM Draft Agenda

2019 Oak Ridge Leadership Computing Facility (OLCF) User Meeting

Tuesday, May 21, 2019 – Thursday, May 23, 2019

Day 1 - Tuesday, May 21, 2019

Theme: Early Results on Summit and Titan Achievements

Session Chair #1 - William Renaud, OLCF

8:00	Registration Begins
9:00	Welcome Address – William Renaud
9:15	Gordon Bell Series - Invited Talk #1
	Title: Exascale Deep Learning
	Speaker: Mr. Prabhat, Data and Analytics Group Lead, NERSC
9:45	Gordon Bell Series - Invited Talk #2
	Title: CoMet: Enabling Comparative Genomics at Exascale
	Speaker: Wayne Joubert, Oak Ridge Leadership Computing Facility
10:15	Networking Break
10:45	Poster Slam #1
11:00	Early Summit Results: Invited Talk #1
	Title: Enabling portable processing of large-scale numerical tensor algebra workloads with applications in quantum many-body theory on Summit
	Speaker: Dmitry Liakh, PhD, Computational Scientist, Oak Ridge Leadership Computing Facility
11:30	Early Summit Results: Invited Talk #2
	Title: Marching to Exascale: Extreme-scale cosmological simulations with HACC on Summit
	Speaker: Salman Habib, Argonne National Laboratory
12:00	Table Top Lunch Introductions
12:15	Table Top Working Lunch

Session Chair #2 – Jack Wells, OLCF

1:30   Poster Slam #2

1:45   Early Summit Results: Invited Talk #3

             Title: Global Seismic Full Waveform Inversion

             Speaker: Jeroen Tromp, Professor of Geophysics, Princeton University

2:15   Early Summit Results: Invited Talk #4

             Title: Opening New Frontiers in Singlet Fission Research

             Speaker: Dr. Remco Havenith, University of Groningen

2:45   Networking Break

3:15   Early Summit Results: Invited Talk #5

             Title: Recent Lattice QCD Results for Non-zero Baryon Density

             Speaker: Patrick Steinbrecher, Brookhaven National Laboratory

3:45   Break and set up for poster session

4:15   Poster Session #1 Starts

5:30   Poster Session Ends

5:45   Bus Departs for DoubleTree Hotel and the Staybridge Inn and Suites in Oak Ridge

Day 2 Morning – Wednesday, May 22, 2019

Theme: Federated Facilities

Session Chair #3 – Arjun Shankar, OLCF

8:00   Registration Begins

9:00   Welcome & Day 2 Agenda Review – Arjun Shankar

9:15   Federated Facilities: Invited Talk #1

Title: Toward Common Components for Open Workflow Systems: The RADICAL-Cybertools Experience

Speaker: Shantenu Jha, Department Chair, Data Driven Discovery, Brookhaven National Laboratory, Associate Professor, Rutgers University

9:45   Federated Facilities: Invited Talk #2

Title: Exascale IO and in situ Data Processing on Leadership Computers

Speaker: Scott Klasky, Oak Ridge National Laboratory

10:15   Networking Break

10:45   Federated Facilities: Invited Talk #3

Title: Running Workflows at OLCF with Slate and OpenShift

Speaker: Jason Kincl, HPC Systems Engineer, High Performance Compute and Data Group

11:15   Federated Facilities Panel

11:45   Table Top Lunch Introductions

12:00   Table Top Working Lunch

Day 2 Afternoon - Wednesday, May 22, 2019

Theme: OLCF Facility Updates

Session Chair #4 – Stephen McNally, OLCF

1:30   Updates from the OLCF Facility Staff

3:30   Group Photo

3:45   Tour & Photos with Titan

5:00   Bus Departs for DoubleTree Hotel and the Staybridge Inn and Suites in Oak Ridge

5:30-6:30   OLCF Social at Crafter's Brew in Oak Ridge

Day 3 Morning - Thursday, May 23, 2019

Theme: Preparing for Exascale

Session Chair #5 – Jack Wells, OLCF

8:00   Registration Begins

9:00   Welcome and Agenda Review – Jack Wells

9:15   Invited Talk:

        Title: Linear Algebra Software Technologies for Exascale

        Speaker: Stan Tomov, Research Assistant Professor, Innovative Computing Laboratory, UTK

9:45   Invited Talk:

        Title: Scientific Computing with Quantum Computers

        Speaker: Travis Humble, Director, Quantum Computing Institute, ORNL

10:15   Networking Break

10:45   Invited Talk

        Title: Neuromorphic Computing: A Complementary Architecture for the Future of Computing

        Speaker: Catherine Schuman, Research Scientist, Oak Ridge National Laboratory

11:15   Panel

11:30   OLCF User Business – OLCF Executive Council

12:00   Closing Remarks

12:30   Depart ORNL (Lunch on your own)