

# COMMONWEALTH COMPUTATIONAL SUMMIT

W.T. YOUNG LIBRARY AUDITORIUM, UNIVERSITY OF KENTUCKY

## OCTOBER 17

### Agenda:

08:30 am – Registration and Breakfast

09:00 am – Welcome and Introductions ([Lisa Cassis](#) (UKY Vice-president for Research))

09:15 am – Academic Keynote ([Pascal Hitzler](#), Wright State University)

10:00 am – Graduate Poster Team (One Slide Intro/Invites)

10:30 am – Parallel Sessions (Each session with 3 papers/talks each 30 minutes in length)

Topic A – Big Data & Discovery (Session Chair: Dr. GQ Zhang) – potential topics such as informatics, bioinformatics, data mining, machine learning, deep learning, linguistics-textual analysis, sensor data aggregation/analysis, data science, knowledge discovery, data architecture, data engineering, predictive analysis, applications using Hadoop/Spark, etc.

Topic B – Big Computing/HPC (Session Chair: [Dr. Peter Kekenos-Huskey](#)) – potential topics such as High-Performance Computing applications (CFD, Molecular Dynamic Simulations, HEP, etc.), genomic pipeline processing, complex modeling/simulations, extreme scale computing, HPC software tools and techniques: MPI, OPenMP, etc.

Topic C – Future Technologies (Session Chair: Dr. Cody Bumgardner) – potential topics such as quantum computing, cloud computing, object stores, augmented reality & VR, high performance software defined networks, GPUs/TPUs, optical computing, dna computing, cognitive computing, autonomic computing, etc.

11:00 am – Networking Break after first talk

11:15 am – Parallel Sessions Continue (Each with 2 more 30 minute talks)

12:15 pm – Networking Lunch

12:45 pm – Student Poster Session Opens

2:30 pm – NSF Speaker ([Dr. Chaitanya Baru](#), Sr. Advisor on Data Science)

3:15 pm – Industry Keynote Speaker (**Jeffrey Kirk**, Sr. Principal Engineer, HPC Dell EMC, Server Office of the CTO)

4:00 pm – Poster Winners Announced\*\*\*, Closing

4:15 pm – Networking Reception

5:30 pm – End of Conference