COMMONWEALTH COMPUTATIONAL SUMMIT 2018
New Student Center Ballrooms, UNIVERSITY OF KENTUCKY

OCTOBER 23

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 (Georgia Tourassi, Director of the Biomedical Science & Engineering Center at ORNL and Joint Professor at the Univ. of Tennessee Knoxville)

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

10:15 am – Networking Break

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

   Topic A – Big Data & Discovery (Session Chair: Olfa Nasraoui (Uofl)) – Location: Ballroom A
   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: Jeremiah Smith (UKy)) – Location: Ballroom B
   potential topics such as High-Performance Computing applications (CFD, Molecular Dynamic Simulations, HEP, etc.), genomics pipeline processing, complex modeling/simulations, extreme scale computing, HPC software tools and techniques: MPI, OpenMP, OpenHPC, etc.

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

12:00 (noon) – Networking Lunch Break

12:30 pm – Student Poster Session Opens

2:30 pm – Government Keynote – Manish Parashar office Director of the Office of Advanced Cyberinfrastructure (OAC) at the NSF, Founding Director, Rutgers Discovery Informatics Institute (RDI2), Joint Faculty, Oak Ridge National Laboratory; Visiting Professor, Faculty of Business, Computing and Law, University of Derby, UK Full Member, Clinical Investigations and Precision Therapeutics Research Program, Rutgers Cancer Institute of New Jersey (RCINJ)

3:15 pm – Industry Panel (TBD)

4:15 pm – Poster Winners Announced***, Closing

4:30 pm – Networking Reception

6:00 pm – End of Conference