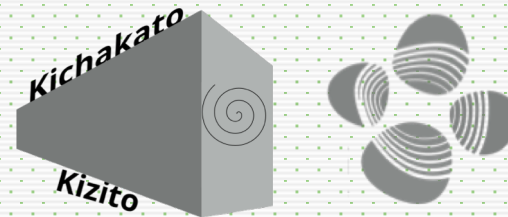


# Benchmarking in the Data Center (BID)

Organizers :

Samar Aseeri (King Abdullah University of Science and Technology)  
Benson Muite (Kichakato Kizito)



Date: 2/22/2020  
Time: 09:00 PM – 12:00 PM  
Room: Riviera

## Previous Meeting



### HPCAsia 2019

International Conference on High  
Performance

Computing in Asia-Pacific Region



# Agenda For First Workshop

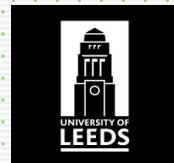
Name	Title
Guo Liang	An overview of data centers in China
Robert Henschel	Using the SPEC HPG Benchmarks for Better analysis and Evaluation of Current and Future HPC Systems
Vicky Xie	Liquid cooling technology and performance efficiency in data center
Yao Xiao	The role of Privacy in Benchmarking Geo-Distributed Data Centers
Wu-chun Feng	The Green500: Metrics, Methodologies and Workloads
Piotr Bala	Benchmarking Java as a possibility to merge HPC and Big Data processing
Xiaoyi Lu	Benchmarking and Accelerating Big Data and Deep Learning Systems on Modern HPC Architecture
Zhouwei Si	Intel MPI benchmarks
Juan Chen	Moderated Discussion

# Aim of This Workshop

- This workshop will discuss issues that are of particular importance in commercial HPC. Virtualization and assessment of corresponding overheads are of interest as well. The workshop will be composed of submitted papers and invited talks. The reviewed papers from this workshop, a workshop summary and papers from the preceding workshop from HPC Asia 2019 will be published as a guide, "Challenges and opportunities for HPC in the cloud."

# Agenda

Time	Speaker and/or Author	Title
9:00-9:10	Samar Aseeri	Opening
9:10-9:35	Zhixin Ou, Juan Chen, Yunfang Zhang and Zheng Wang	Power Modeling for Phytium FT-2000+ Multi-core Architecture
9:35-10:00	Ammar Awan	Benchmarking Deep Learning Workloads on Large-scale HPC Systems
10:00-10:30	All Attendees	Coffee Break
10:30-10:55	Mahidhar Tatineni	Evolution of Benchmarking on SDSC systems
10:55-11:20	Christopher H Chang, Ilene L Carpenter and Wesley B Jones	The ESIF-HPC-2 Benchmark Suite
11:20-12:00	All Attendees	Discussion and Closing



# Thank You

- Webpage: <https://parallel.computer/>
- Email: [samar.aseeri@kaust.edu.sa](mailto:samar.aseeri@kaust.edu.sa)
- Upcoming HPC venue: HPBench'20 at HPCS'20