WOPSSS 19: Workshop on Performance and Scalability of Storage Systems
Frankfurt Marriott Hotel Hamburger Allee 2
Frankfurt, Germany, June 20, 2019

Conference website	http://wopsss.org
Submission link	https://easychair.org/conferences/?conf=wopsss19
Submission deadline	April 20, 2019

Topics: storage file system performance analysis hpc

The Workshop On Performance and Scalability of Storage Systems (WOPSSS) aims to present state-of-the-art research, innovative ideas, and experience that focus on the design and implementation of HPC storage systems in both academic and industrial worlds, with a special interest on their performance analysis.

This year, for our 4th edition, we will extend the scope of the workshop from HPC and Cloud to Artificial Intelligence (A). AI and Deep Learning (DL) workloads are a major trend in the industry and these domain are specifically limited by I/O bottleneck. This is why during this edition we propose contributors to specifically target I/O analysis and optimization for the AI related workload.

WOPSSS intends to encourage discussion of these issues through submissions of researchers or practitioners from both academic and industrial worlds.

The workshop is held in conjunction with the ISC-HPC during the ISC workshop day. Note that the attendance of ISC workshops requires a workshop pass. See also our last year's workshop web page (http://wopsss.org)

Submission Guidelines

All papers must be original and not simultaneously submitted to another journal or conference. The following paper categories are welcome:

Papers need to be submitted via Easychair (http://easychair.org/conferences/?conf=wopsss19)

Authors are invited to submit papers are required to be formatted in

Springer single column LNCS style (http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0) and within 10 pages, excluding the references.

The submissions are "single-blind", i.e. submissions are allowed to include the author names.

List of Topics

- AI and Deep Learning workloads interactions with storage
- Storage systems modeling and analysis tools
- Feed-back and empirical evaluation of storage systems
- Application I/O characterization
- AI workload and storage performance analysis
- Parallel I/O and storage systems: consistency, caching, replication, reliability and fault recovery overhead
- Network challenges and storage systems: Scalability, QoS, Partitionability
- Low latency storage systems usability and analysis: memory-only, Flash, NVRAM, Storage Class Memory
- File system design

- Cloud and distributed storage

Committees

Program Committee ** to be completed **

- Julien Bigot, CEA, France
- Stefano Cozzini, CNR, Italy
- Jesus Escudero-Sahuquillo
- Julian Kunkel, University of Reading, UK
- Jacques-Charles Lafoucrière, CEA, France
- Manolis Marazakis, Forth, Greece
- Lars Nagel, Loughborough University, UK
- Ramon Nou, BSC, Spain
- Juan Piernas Canovas, Universidad de Murcia, Spain
- Josef Weidendorfer, TUM, Germany
- Soraya Zertal, Versailles University, France

Organizing committee

- Jean-Thomas Acquaviva, Research Engineer, DDN, France
- Jalil Boukhobza, Associate professor, Univ. Bretagne Occidentale, France
- Phlippe Deniel, Head of Storage group, CEA/DIF, France
- Massimo Lamanna, Leader - Data and Storage Services Group, CERN, Switzerland
- Pedro Javier García, Associated Professor, University of Castilla-La Mancha, Spain
- Allen D. Malony, Full Professor, University of Oregon, USA

Publication

WOPSSS 19 proceedings will be published in Springers, ISC-19 proccedings by Springers.

Venue

WOPSSS is organized in conjunction the International Supercomputing Conference (http://www.isc-hpc.com), Frankfurt, Germany.

The workshop does not have a separate registration site. Attendees need to use the registration system provided by ISC'19 (http://www.isc-hpc.com/registration.html)

Location **probably** Marriott Hotel, Frankfurt, Germany, Details about the ISC-HPC venue

Contact

All questions about submissions should be emailed to Jean-Thomas Acquaviva jtacquaviva<at>ddn.com