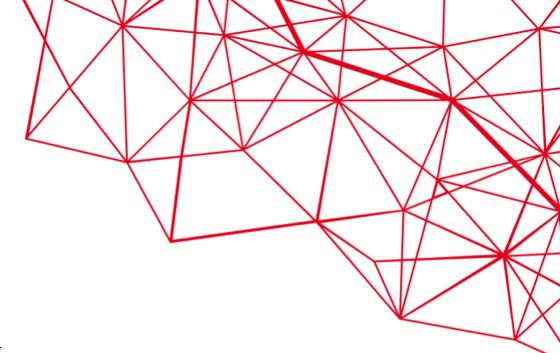


MAY 29 – JUNE 2, 2022 | HAMBURG, GERMANY



Welcome to MODA22 the 3rd ISC HPC International Workshop on

"Monitoring and Operational Data Analytics"

June 02, 2022 09:00 am – 01:00 pm CEST

https://moda.dmi.unibas.ch

Why MODA?



- 1. Gather and share knowledge and establish a common ground within the international community with respect to best practices in monitoring and operational data analytics.
- 2. Discuss future strategies and alternatives for MODA, potentially improving existing solutions and envisioning a common baseline approach in HPC sites and data centers.
- 3. Establish a debate on the usefulness and applicability of AI/ML techniques on collected operational data for **optimizing the operation of production systems** (e.g., for practices such as predictive maintenance, runtime optimization, optimal resource allocation and scheduling).

Organizers.



Workshop Organizers

- Florina Ciorba University of Basel, Switzerland
- Utz-Uwe Haus HPE EMEA Research Lab, Switzerland
- Nicolas Lachiche University of Strasbourg, France
- Martin Schulz Technische Universität München, Germany

Publicity Chair

Thomas Jakobsche – University of Basel, Switzerland

Technical Program Committee.

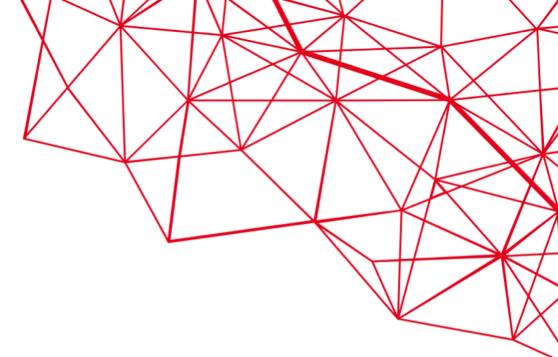
- Norm Bourassa NERSC LBNL, USA
- Daniele Cesarini CINECA, Italy
- Ann Gentile Sandia National Labs, USA
- Jim Brandt Sandia National Labs, USA
- Victor Holanda CSCS, Switzerland
- Thomas Ilsche TU Dresden, Germany
- Terry Jones Oak Ridge National Laboratory, USA
- Jacques-Charles Lafoucriere CEA, France

- Erwin Laure MPCDF, Munich, Germany
- Filippo Mantovani BSC, Spain
- Diana Moise HPE, Switzerland
- Dirk Pleiter KTH Stockholm, SE
- Melissa Romanus NERSC LBNL, USA
- Dominik Strassel Fraunhofer ITWM, Germany
- Keiji Yamamoto RIKEN, Japan
- Ales Zamuda University of Maribor, Slovenia

Program.



Time	Content
09:00 - 09:10	Introduction
09:10 - 09:50	Keynote presentation: Deploying and Managing the LUMI Supercomputer, Sustainably
	Pekka Manninen, LUMI Leadership Computing Facility, Finland
09:50 - 10:00	Keynote Q&A
10:00 – 10:30	Paper presentation: Rule-based Thermal Anomaly Detection for Tier-0 HPC Systems
	Mohsen Seyedkazemi Ardebili, Andrea Bartolini, Andrea Acquaviva and Luca Benini
10:30 – 11:00	Invited talk: A Conceptual Framework for HPC Operational Data Analytics
	Michael Ott, Leibniz Supercomputing Centre, Germany
11:00 – 11:30	Coffee break
11:30 – 12:00	Paper presentation: Wholistic and Physics-Based Data Center Monitoring
	Hilary Egan, Avi Purkayastha and David Sickinger
12:00 – 12:30	Invited talk: Opportunities & Challenges with Quantitative Codesign
	Terry Jones, Oak Ridge National Laboratory, USA
12:30 – 12:55	Panel / Participant Discussion: Recent Developments in MODA
12:55 – 13:00	Closing



Looking forward to seeing you at MODA23 the 4th ISC HPC International Workshop on

"Monitoring and Operational Data Analytics"

June 2023, Germany

TBD