

# Workshop on Scalable Data Analytics in Scientific Computing (SDASC)

ISC High Performance 2019, June 20<sup>th</sup>, Frankfurt



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## Committee Members:

Gabriele Cavallaro (Juelich Supercomputing Centre, Germany)  
Marat Dukhan (Google Inc., USA)  
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Martin Siggel (German Aerospace Center /DLR/ Cologne, Germany)  
Misha Smelyanskiy (Facebook Inc., USA)  
Miroslav Stoyanov (Oak Ridge National Laboratory, USA)

# Schedule

Papers available at:  
[www.bit.ly/sdasc19](http://www.bit.ly/sdasc19)



- 14:00 – 14:05 Introduction (Hartwig Anzt)
- 14:05 – 14:55 Keynote: Dhabaleswar K. (DK)Panda (The Ohio State University)  
**Scalable and Distributed DNN Training on Modern HPC Systems: Challenges and Solutions**
- 14:55 – 15:00 *Question/Answers session*
- 15:00 – 15:30 Kushal Datta  
**Training Multiscale-CNN for Large Microscopy Image Classification in One Hour**
- 15:30 – 16:00 Paper 2: Valentin Kozlov,  
**Benchmarking Deep Learning Infrastructures by the Means of Tensorflow and Containers**
- 16:00 – 16:30 *Coffee break*
- 16:30 – 17:20 Invited Talk: Kai Krajsek (Juelich Supercomputing Centre, Forschungszentrum Jülich GmbH)  
**The Helmholtz Analytics Toolkit (HeAT) - A HPC Library for Scientific Big Data Analytics**
- 17:20 – 17:50 Paper 3: Stanimire Tomov  
**MagmaDNN: Towards High-Performance Data Analytics and Machine Learning for Data-Driven Scientific Computing**
- 17:50 – 18:00 Closing remarks (Hartwig Anzt)