Talks

- Spack Package Manager: Basic Functionality and Best Practices, Max Planck Institute for the Structure and Dynamics of Matter, Hamburg, Germany, 2021-03-26
- Parallel Computing and I/O - Herausforderungen des datenintensiven Hochleistungsrechnens, Inaugural Lecture, Magdeburg Germany, 2021-02-03

- Coupling Storage Systems and Self-Describing Data Formats for Global Metadata Management (Michael Kuhn), CSCI 2020, Las Vegas, USA (Virtual), 2020-12-18
- Converging Storage Technologies Using a Flexible HPC Storage Framework (Michael Kuhn), CHPC National Conference, Virtual, 2020-12-02
- Improving Energy Efficiency in High Performance Computing by Powering Down Unused Resources (Michael Kuhn), Panel c Energy Data and Adaptive Consumption at ENERGY 2020, Lisbon, Portugal (Virtual), 2020-09-28-2020-10-01
- Improving Energy Efficiency of Scientific Data Compression with Decision Trees (Michael Kuhn), ENERGY 2020, Lisbon, Portugal (Virtual), 2020-09-28-2020-10-01
- Coupled Storage System for Efficient Management of Self-Describing Data Formats (CoSEMoS) (Michael Kuhn), ISC High Performance 2020, Frankfurt, Germany (Virtual), 2020-06-23
- Storage and I/O (Michael Kuhn), Lecture "Hardware Architecture of HPC Systems" at Helmut Schmidt University, Hamburg, Germany (Virtual), 2020-06-10
- Spack Package Manager: Introduction and Best Practices (Michael Kuhn), European XFEL, Hamburg, Germany, 2020-03-12

- Storage and I/O (Michael Kuhn), Lecture "Hardware Architecture of HPC Systems" at Helmut Schmidt University, Hamburg, Germany, 2019-11-26
- Spack Community BoF (Todd Gamblin, Gregory Becker, Massimiliano Culpo, Michael Kuhn), Birds of a Feather at ISC High Performance 2019, Frankfurt, Germany, 2019-06-18
- Managing HPC Software Complexity with Spack (Todd Gamblin, Gregory Becker, Massimiliano Culpo, Michael Kuhn), Tutori at ISC High Performance 2019, Frankfurt, Germany, 2019-06-16

- CATO - Compiler assisted source-to-source transformation of OpenMP kernels to utilise distributed memory (Jannek Squar, Michael Blesel, Tim Jammer, Michael Kuhn, Thomas Ludwig), OpenMPCon 2018, Barcelona, Spain, 2018-09-25
- Data-Intensive High-Performance Computing (Michael Kuhn), Gauß-Allianz Booth at ISC High Performance 2018, Frankfurt, Germany, 2018-06-26
- Convergence of High Performance Computing and Big Data (Michael Kuhn), DKRZ Tour "Computational Sciences in Engineering", Hamburg, Germany, 2018-05-23

- High Performance Computing and I/O (Michael Kuhn), PIER Graduate Week 2017, Hamburg, Germany, 2017-10-09
- Accelerating Storage System Research Through a Common Framework (Michael Kuhn), 6th International LSDMA Symposiu Karlsruhe, Germany, 2017-08-29
- JULEA: A Flexible Storage Framework for HPC (Michael Kuhn), Workshop on Performance and Scalability of Storage Syster (WOPSSS), Frankfurt, Germany, 2017-06-22
- High Performance I/O (Michael Kuhn), DKRZ Tour "Computational Sciences in Engineering", Hamburg, Germany, 2017-06-0
- The Case for a Flexible HPC Storage Framework (Michael Kuhn), Dagstuhl Seminar "Challenges and Opportunities of User-Level File Systems for HPC" (17202), Wadern, Germany, 2017-05-18

- BigStorage (Michael Kuhn), LSDMA Technical Forum, Karlsruhe, Germany, 2016-10-06
- Lustre usage and compression at DKRZ (Michael Kuhn), Lustre Administrator and Developer Workshop 2016, Paris, France, 2016-09-21
- Enhanced Adaptive Compression in Lustre (Michael Kuhn), LSDMA Spring Meeting 2016, Technical Forum, Darmstadt,

Germany, 2016-03-09
- Storage expenses and data reduction techniques (Michael Kuhn), BigStorage Initial Training School, Barcelona, Spain, 2016-03-04
- Parallel distributed file systems (Michael Kuhn), BigStorage Initial Training School, Barcelona, Spain, 2016-03-03

- Exploiting Semantical Information for Performance Optimization and Data Reduction (Michael Kuhn), CluStor 2015, Hamburg, Germany, 2015-07-30
- A Best Practice Analysis of HDF5 and NetCDF-4 Using Lustre (Michael Kuhn), ISC High Performance 2015, Frankfurt, Germany, 2015-07-15
- Dynamically Adaptable I/O Semantics for High Performance Computing (Michael Kuhn), ISC High Performance 2015, Frankfurt, Germany, 2015-07-14
- I/O Semantics for Future Storage Systems (Michael Kuhn), 14th HLRS/hww Workshop on Scalable Global Parallel File Systems, Stuttgart, Germany, 2015-04-29

- Compression By Default – Reducing Total Cost of Ownership of Storage Systems (Michael Kuhn), International Supercomputing Conference 2014, Leipzig, Germany, 2014-06-23
- Exascale Storage Systems – An Analytical Study of Expenses (Michael Kuhn), CluStor 2014, Hamburg, Germany, 2014-06-1

- A Semantics-Aware I/O Interface for High Performance Computing (Michael Kuhn), International Supercomputing Conference 2013, Leipzig, Germany, 2013-06-18

- A Semantics-Aware I/O Interface (Michael Kuhn), HPC Workshop, Leogang, Austria, 2012-02-29
- Scientific Computing: Performance and Efficiency in Climate Models (Michael Kuhn), PDP 2012, Munich, Germany, 2012-02-17
- Evaluating the Influence of File System Interfaces and Semantics on I/O Throughput in High Performance Computing (Michael Kuhn), PDP 2012, Munich, Germany, 2012-02-17
- Simulation-Aided Performance Evaluation of Server-Side Input/Output Optimizations (Michael Kuhn), PDP 2012, Munich, Germany, 2012-02-16

- Optimizations for Two-Phase Collective I/O (Michael Kuhn), ParCo 2011, Ghent, Belgium, 2011-09-02

- Directory-Based Metadata Optimizations for Small Files in PVFS (Michael Kuhn), Euro-Par 2008, Gran Canaria, Spain, 2008-08-29

- File Systems for Mass Storage of Image Data in Bioinformatics (Michael Kuhn, Christian Lohse), CluStor 2006, Heidelberg, Germany, 2006-09-21