

Publications

Dissertation

Coupling storage systems for efficient management of self-describing data formats

Duwe, Kira Isabel; Kuhn, Wingerath

In: Magdeburg: Universitätsbibliothek, Dissertation Otto-von-Guericke-Universität Magdeburg, Fakultät für Informatik 2023, 1 Online-Ressource (IX, 234 Seiten, 3,82 MB) [Literaturverzeichnis: Seite 185-201]

›Publication link (<http://dx.doi.org/10.25673/10342>)

Book chapter

Energy efficiency of parallel file systems on an ARM cluster

Erxleben, Timm Leon; Duwe, Kira; Saak, Jens; Köhler, Martin; Kuhn, Michael

In: ENERGY 2022 - [Wilmington, DE] : IARIA ; Sultan, Vivian, S. 42-48

›Publication link (https://www.thinkmind.org/index.php?view=article&articleid=energy_2022_1_90_3004)

Peer-reviewed journal article

Green storage - parallel file systems on ARM

Erxleben, Timm Leon; Duwe, Kira; Saak, Jens; Köhler, Martin; Kuhn, Michael

In: International Journal on Advances in Software - [S.l.]: IARIA, Bd. 15 (2022), 3&4, S. 200-210

›Publication link (<https://www.ariajournals.org/software/tocv15n34.htm>)

Editor

Proceedings of the Workshop on Challenges and Opportunities of Efficient and Performant Storage Systems

Kuhn, Michael; Duwe, Kira; Acquaviva, Jean-Thomas; Chasapis, Konstantinos; Boukhobza, Jalil

In: New York, NY, United States: Association for Computing Machinery, 2022, 1 online resource (44 pages) (ACM Conferences; ACM Digital Library), ISBN: 978-1-4503-9209-9

›Publication link (<http://dx.doi.org/10.1145/350364>)

Book chapter

Coupling storage systems and self-describing data formats for global metadata management

Kuhn, Michael; Duwe, Kira

In: 2020 International Conference on Computational Science and Computational Intelligence/ CSCI - Piscataway, NJ: IEEE . - 2021

›Publication link (<http://dx.doi.org/10.1109/CSCI51800.2020.0022>)

Book chapter

Using ceph's BlueStore as object storage in HPC storage framework

Duwe, Kira; Kuhn, Michael

In: Proceedings of the Workshop on Challenges and Opportunities of Efficient and Performant Storage Systems (CHEOPS) - in conjunction with EuroSys 2021 - New York: ACM; Kuhn, Michael . - 2021, Artikel 3, insges. 6 S.

›Publication link (<http://dx.doi.org/10.1145/3439839.345873>)

Book chapter

Dissecting self-describing data formats to enable advanced querying of file metadata

Duwe, Kira; Kuhn, Michael

In: Konferenz: 14th ACM International Conference on Systems and Storage, SYSTOR 2021, Halfa, Israel, 14.-16. June 2021, SYSTOR 2021 - New York: Association for Computing Machinery . - 2021, Artikel 12, insges. 7 S.

›Publication link (<http://dx.doi.org/10.1145/3456727.346377>)

Editor

Proceedings of the Workshop on Challenges and Opportunities of Efficient and Performant Storage Systems (CHEOPS) - in conjunction with EuroSys 2021

Kuhn, Michael; Duwe, Kira; Acquaviva, Jean-Thomas; Chasapis, Konstantinos; Boukhobza, Jalil

In: New York: ACM, 2021, 1 Online-Ressource, ISBN: 978-1-4503-8302-8 Kongress: CHEOPS '21 virtual 2021.04.

›Publication link (<https://dl.acm.org/doi/proceedings/10.1145/3439839#issue-download>)

Peer-reviewed journal article

State of the Art and Future Trends in Data Reduction for High-Performance Computing

Duwe, Kira; Lüttgau, Jakob; Mania, Georgiana; Squar, Jannek; Fuchs, Anna; Kuhn, Michael; Betke, Euge Ludwig, Thomas

In: Supercomputing Frontiers and Innovations, Publishing Center of South Ural State University, S. 4-36, 2020

›Publication link (<https://dx.doi.org/10.14529/jsfi20010>)

Peer-reviewed journal article

A Survey of Storage Systems for High-Performance Computing

Lüttgau, Jakob; Kuhn, Michael; Duwe, Kira; Alforov, Yevhen; Betke, Eugen; Kunkel, Julian; Ludwig, Thomas

In: Supercomputing Frontiers and Innovations, Publishing Center of South Ural State University, S. 31-58, 2018

›Publication link (<https://dx.doi.org/10.14529/jsfi18010>)
