Hochschulbibliographie

Name: Informatik 5 - Lehrstuhl für Wissenschaftliches Rechnen (Prof. Bungartz)

Occurences:
- Hochschulbibliographie > 2017 > Fakultäten > Informatik
entries:

[1/20]: Pöppl, Alexander; Damschen, Marvin; Schmaus, Florian; Fried, Andreas; Mohr, Manuel; Blankertz, Matthias; Bauer, Lars; Henkel, Jörg; Schröder-Preikschat, Wolfgang; Bader, Michael, Shallow Water Waves on a Deep Technology Stack: Accelerating a Finite Volume Tsunami Model using Reconfigurable Hardware in Invasive Computing, Euro-Par 2017: Parallel Processing Workshops, Springer-Verlag, 2017

[2/20]: Yu, Chenhan D; Levitt, James; Reiz, Severin; Biros, George, Geometry-Oblivious FMM for Compressing Dense SPD Matrices, Proceedings of the International Conference for High Performance Computing, Networking, Storage and Analysis SC17, IEEE, 2017


[4/20]: Parra Hinojosa, Alfredo; Bungartz, Hans-Joachim; Pfürger, Dirk, Scalable Algorithmic Detection of Silent Data Corruption for High-Dimensional PDEs, Sparse Grids and Applications 2016, 2017


[6/20]: Mo-Hellenbrand, Ao; Compres, Isaiaas Alberto; Meister, Oliver; Bungartz, Hans-Joachim; Gerndt, Michael; Bader, Michael, A Large-Scale Malleable Tsunami Simulation Realized on an Elastic MPI Infrastructure, Proceedings of the Computing Frontiers Conference, CF'17, ACM, 2017

[7/20]: Neckel, Tobias; Parra Hinojosa, Alfredo: Rupp, Florian, Path-Wise Algorithms for Random and Stochastic ODEs with Applications to Ground-Motion-Induced Excitations of Multi-Storey Buildings, 2017

[8/20]: Neumann, Philipp; Kowitz, Christoph; Schranner, Felix; Azarnykh, Dmitrii, Interdisciplinary teamwork in HPC education: Challenges, concepts, and outcomes, Journal of Parallel and Distributed Computing, 2017, Jan

[9/20]: Jarema, Denis; Bungartz, Hans-Joachim; Görl, Tobias; Jenko, Frank; Neckel, Tobias; Told, Daniel, Block-Structured Grids in Full Velocity Space for Eulerian Gyrokinetic Simulations, Computer Physics Communications, 2017, 215, 49 - 62

[10/20]: August, Moritz; Banuls, Mari Carmen; Huckle, Thomas, On the Approximation of Functionals of Very Large Hermitian Matrices represented as Matrix Product Operators, Electronic Transactions on Numerical Analysis, 2017


[12/20]: Neumann, Philipp; Zellner, Michael, Lattice Boltzmann Flow Simulation on Android Devices for Interactive Mobile-Based Learning, Euro-Par 2016: Parallel Processing Workshops, Springer, 2017

[13/20]: August, Moritz; Ni, Xiaotong, Using Recurrent Neural Networks to Optimize Dynamical Decoupling for Quantum Memory, Physical Review A, 2017


[15/20]: Dietrich, Felix, Data-Driven Surrogate Models for Dynamical Systems, 2017, Dissertation, 142 Seiten

[16/20]: Jarema, Denis, Efficient Eulerian Gyrokinetic Simulations with Block-Structured Grids, 2017, Dissertation

[17/20]: Parra Hinojosa, Alfredo, Toward Resilient Exascale PDE Solvers Using the Combination Technique, 2017, Dissertation, 123 Seiten

[18/20]: Riesinger, Christoph, Scalable scientific computing applications for GPU-accelerated heterogeneous systems, 2017, Dissertation

[19/20]: Riesinger, Christoph, Scalable scientific computing applications for GPU-accelerated heterogeneous systems, 2017, Dissertation, 213 Seiten