Hochschulbibliographie

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

Occurrences:
- Hochschulbibliographie > 2018 > Fakultäten > Informatik
Entries:

[1/86]: Anderson, Chris; Araki, Samuel; Bjørstad, Petter; Bungartz, Hans-Joachim; Dow, Keiko; Draxl, Claudia; Duarte, Marco; Farcas, Ionut-Gabriel; Gao, Longfei; Garcke, Jochen; Grandinetti, Pietro; Haehnel, Philipp; Haghighatlar, Mojtaba; Hittinger, Jeffrey; Jäkel, René; Jenko, Frank; Kim, David; Martin, Robert; Molloy, Erin; Park, Saerom; Scheffler, Matthias; Schürig, Jannik; Sousa, Eder; Sunu, Justin; Tan, Chee Wei, Science at Extreme Scales: Where Big Data Meets Large-Scale Computing, 2018


[3/86]: Farcas, Ionut-Gabriel; Latz, Jonas; Neckel, Tobias; Ullmann, Elisabeth, Multilevel Sparse Leja approximation of Bayesian Inverse Problems, Surrogate models for UQ in complex systems, Isaac Newton Institute for Mathematical Sciences, 2018

[4/86]: Menhorn, Friedrich; Farcas, Ionut-Gabriel; Neckel, Tobias; Bungartz, Hans-Joachim, Multilevel Adaptive Squared Sparse Grid Stochastic Collocation, SIAM Conference on Uncertainty Quantification, Society for Industrial and Applied Mathematics, 2018

[5/86]: Uphoff, Carsten; Rettenberger, Sebastian; Rannabauer, Leonhard; Bader, Michael; Wollherr, Stephanie; Ulrich, Thomas; Maddon, Elisabeth; Gabriel, Alice-Agnes, Extreme scale multi-physics simulations of the tsunamiigenic 2004 Sumatra megathrust earthquake, SuperMUC Status and Results Workshop, 2018

[6/86]: Uphoff, Carsten, Extreme scale multi-physics simulations of the tsunamiigenic 2004 Sumatra megathrust earthquake, SuperMUC Status and Results Workshop, Garching, 2018

[7/86]: Steffen Seckler; Simon Griebel; Nikola Tchipev; Philipp Neumann; Hans-Joachim Bungartz, Fully Heterogeneous Load Balancing in Is1 MarDyn, SIAM PP 2018, Tokyo, Japan, 2018

[8/86]: Hans-Joachim Bungartz, Diversity in Doctoral Education - It's all about talents, Council of Graduate Schools: 12th Strategic Leaders Global Summit, 2018


[11/86]: Michael Bader, Predictive Load Balancing vs. Reactive Work Stealing – Parallel AMR and the Chameleon Project, ISC High Performance, Frankfurt am Main, Germany, 2018

[12/86]: T. Görler; A. D. Siena; H. Doerk; T. Happel; S. Freethy; I.-G. Farcas; A. B. Navarro; R. Bilato; A. Bock; J. Citrin; G. Conway; A. Creely; P. Hennequin; F. Jenko; T. Johnson; C. Lechte; T. Neckel; E. Poli; M. Schneider; E. Sonnendruecker; J. Stober; A. White; ASDEX-Upgrade-Team; JET-Contributors, En route to high-performance discharges: Insights & guidance from high-realism gyrokinetics, 27th IAEA Fusion Energy Conference (FEC 2018), International Atomic Energy Agency (IAEA), 2018

[13/86]: T. Görler; A. Di Siena; H. Doerk; T. Happel; S.J. Freethy; I.-G. Farcas; A. Bañón Navarro; R. Bilato; A. Bock; J. Citrin; G.D. Conway; A. Creely; P. Hennequin; F. Jenko; T. Johnson; C. Lechte; T. Neckel; E. Poli; M. Schneider; E. Sonnendruecker; J. Stober; A.E. White; ASDEX-Upgrade-Team; JET-Contributors, En route to high-performance discharges: Insights & guidance from high-realism gyrokinetics, 27th IAEA Fusion Energy Conference (FEC 2018), International Atomic Energy Agency (IAEA), 2018

[14/86]: Rannabauer, Leonhard; Haas, Stefan; Charrier, Dominic Etienne ; Weinzierl, Tobias; Michael, Simulation of tsunamis with the exascale hyperbolic PDE engine ExaHyPE, Environmental Informatics: Techniques and Trends. Adjunct Proceedings of the 32nd edition of the EnviroInfo., Garching, Germany, Shaker Verlag, 2018

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[16/86]: Reinarz, Anne, Influence of A-Posteriori Subcell Limiting on Fault Frequency in Higher-Order DG Schemes, 2018 IEEE/ACM 8th Workshop on Fault Tolerance for HPC at eXtreme Scale (FTXS), 2018

[17/86]: Rüth, Benjamin; Ueckermann, Benjamin; Mehl, Miriam; Bungartz, Hans-Joachim, Time stepping algorithms for partitioned multi-scale multi-physics in preCICE, ECCM 6 / ECFD 7, 2018

[18/86]: Rüth, Benjamin, Solving the Partitioned Heat Equation Using FEniCS and preCICE, GAMM CSE Workshop 2018, 2018

[20/86]: Rippl, Michael, Efficient Transformation of the generalized Eigenproblem with symmetric banded matrices to a banded standard Eigenproblem, International Workshop on Parallel Matrix Algorithms and Applications, 2018

[21/86]: Alvermann, Andreas; Basermann, Achim; Bungartz, Hans-Joachim; Carbogno, Christian; Ernst, Dominik; Fehske, Holger; Futamura, Yasunori; Galgon, Martin; Hager, Martin; Huber, Sarah; Huckle, Thomas; Ida, Akihiro; Imakura, Akira; Kawai, Masatoshi; Köcher, Simone; Kreutzer, Moritz; Kus, Pavel; Lang, Bruno; Lederer, Hermann; Manin, Valeriy; Marek, Andreas; Nakajima, Kengo; Nemec, Lydia; Reuter, Karsten; Rippl, Michael; Röhrig-Zöllner, Melven; Sakurai, Tetsuya; Scheffer, Matthias; Scheurer, Christoph; Shahzad, Faisal; Brambilla, Danilo Simoes; Thies, Jonas; Wellein, Gerhard, Benefits from using mixed precision computations in the ELPA-AEO and ESSEX-II eigensolver projects, International Workshop on Eigenvalue Problems: Algorithms, Software and Applications in Petascale Computing, Springer, 2018

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[27/86]: Rüth, Benjamin, High-Order Time Stepping in Partitioned FSI with Black-Box Solvers, WCCM XIII / PAMAMC II, 2018

[28/86]: Rüth, Benjamin, Improving Time Stepping in Partitioned Multi-Physics, 89th GAMM Annual Meeting, 2018

[29/86]: Rüth, Benjamin, Time stepping algorithms for partitioned multi-scale multi-physics in preCICE, ECCM 6 / ECFD 7, 2018

[30/86]: Rüth, Benjamin; Monge, Azahar; Birken, Philipp; Uekermann, Benjamin; Meh, Miriam, Partitioned multirate coupling schemes for the heat equation in preCICE, Workshop on Scientific Computing in Sweden 2018, 2018

[31/86]: Yu, Chenhan D.; Reiz, Severin; Biros, George, Distributed-Memory Hierarchical Compression of Dense SPD Matrices, SC ’18: Proceedings of the International Conference for High Performance Computing, Networking, Storage and Analysis, 2018

[32/86]: Reiz, Severin; Biros, George; Bungartz, Hans-Joachim, Nonsymmetric Algebraic Fast Multipole Method, Computational Science at Scale (CoSaS) 2018, 2018

[33/86]: Röhner, Kilian; Bungartz, H. J., Speeding up Sparse Grid Density Estimation with Matrix Factorizations, SIAM Conference on Applied Linear Algebra (SIAM-ALA18), Hong Kong, China, 2018

[34/86]: Röhner, Kilian; Bungartz, H. J., Image Classification with Sparse Grids Density Estimation, 5th Workshop on Sparse Grids and Applications, Munich, Germany, 2018

[35/86]: Menhorn, Friedrich, Multilevel Adaptive Squared Sparse Grid Stochastic Collocation, Sparse Grids and Applications 2018, Garching, Germany, 2018

[36/86]: Friedrich Menhorn; Gianluca Geraci; Michael S. Eldred; Youssef M. Marzouk, Scramjet Design Optimization using SNOWPAC in Dakota, WCCM 2018, 2018

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[39/86]: Rannabauer Leonhard, Seismic Wave Propagation on Complex Topographies Applied in the Alpine Area Using the ExaHyPE Hyperbolic PDE Engine, The PASC18 Conference, 2018

[40/86]: Chourdakis, Gerasimos, Can my OpenFOAM solver easily be coupled with preCICE?, ECCM-ECFD 2018, 2018

[41/86]: Chourdakis, Gerasimos, preCICE: multi-physics simulations reusing existing single-physics solvers, Quality Assurance and reproducibility in PDE software frameworks, 2018


[43/86]: Rippl, Michael, Parallel Iterative Methods in the ELPA Eigensolver, SIAM Conference on Parallel Processing, 2018

[44/86]: Rippl, Michael, Petaflop Eigenvalue Computation: Algorithms and HPC Aspects, Leogang High Performance Computing Workshop, 2018

[45/86]: Friedrich Menhorn, Integrating SNOWPAC in Dakota with Application to a Scramjet, SIAM Conference on Uncertainty Quantification, 2018

[46/86]: Seckler, Steffen; Griebel, Simon; Tchipev, Nikola; Neumann, Philipp; Bungartz, Hans-Joachim. Fully Heterogeneous Load Balancing in ls1 MarDyn, SIAM Conference on Parallel Processing for Scientific Computing, Tokyo, Japan, 2018

[47/86]: Philipp Samfass, Parallel Adaptive Mesh Refinement in Sam(oa)^2 - Load Balancing vs. Work Stealing, SIAM Conference on Parallel Processing for Scientific Computing, 2018

[48/86]: Chernov, Alexey; Reinarz, Anne, Sparse Grid Approximation Spaces for Space-Time Boundary Integral Formulations of the Heat Equation, Computers and Mathematics with Applications, 2018, Apr

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[50/86]: Farcas, Ionut-Gabriel, Multilevel Sparse Leja Approximations in Bayesian Inversion, SIAM Conference on Uncertainty Quantification, Garden Grove, California, USA, 2018

[51/86]: Farcas, Ionut-Gabriel; Goerler, Tobias; Bungartz, Hans-Joachim; Neckel, Tobias, A Dimension-adaptive Sparse Pseudo-Spectral Projection Method in Linear Gyrokinetics, SIAM Conference on Uncertainty Quantification, Garden Grove, California, USA, 2018

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[54/86]: Dietrich, Felix; Künzner, Florian; Neckel, Tobias; Köster, Gerta; Bungartz, Hans-Joachim, FAST AND FLEXIBLE UNCERTAINTY QUANTIFICATION THROUGH A DATA-DRIVEN SURROGATE MODEL, International Journal for Uncertainty Quantification, 2018, 8, 2, Apr, 175-192

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[56/86]: Chourdakis, Gerasimos, Couple OpenFOAM with any other solver using preCICE, Dutch OpenFOAM Workshop 2018, 2018

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[58/86]: Chourdakis, Gerasimos, Multi-physics simulations with OpenFOAM through preCICE, 89th GAMM Annual Meeting, 2018

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[79/86]: Philipp Samfass, Hybrid MPI+OpenMP Reactive Work Stealing in Distributed Memory in the PDE Framework sam(oa)^2, 2018 IEEE International Conference on Cluster Computing (CLUSTER), 2018

[80/86]: Jannis Klinkenberg, Philipp Samfass, Christian Terboven, Alejandro Duran, Michael Klemm, Xavier Teruel, Sergi Mateo, Stephen L. Olivier, Matthias S. Müller, Assessing Task-to-Data Affinity in the LLVM OpenMP Runtime, Evolving OpenMP for Evolving Architectures, 2018

[81/86]: Philipp Samfass, Jannis Klinkenberg, Michael Bader, Hybrid MPI+OpenMP Reactive Work Stealing in Distributed Memory in the PDE Framework sam(oa)^2, 2018 IEEE International Conference on Cluster Computing (CLUSTER), 2018

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[83/86]: Reinarz, Anne, ExaHyPE – Exascale Hyperbolic PDE Engine, PDE Software Frameworks 2018, 2018

[84/86]: Bungartz, Hans-Joachim; Chourdakis, Gerasimos; Risseeuw, Derek; Rusch, Alexander; Uekermann, Benjamin, Scalable coupled simulations with OpenFOAM and other solvers, Computational Science at Scale (CoSaS) 2018, 2018

[85/86]: Astfalk, Patrick, Linear and quasilinear studies of kinetic instabilities in non-Maxwellian space plasmas, 2018, Dissertation, 175 Seiten

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