Scientific Computing - Publications - DTU Orbit (04/05/2018)


Enzymes in CO2 Capture. 2016. Abstract from 3rd Conference on Carbon Capture and Storage (UTCCS-3), Austin, United States.


Boiroux D, Aradóttir TB, Hagdrup M, Poulsen NK, Madsen H, Jørgensen JB. A Bolus Calculator Based on Continuous-Discrete Unscented Kalman Filtering for Type 1 Diabetics. IFAC Workshop Series. 2015;48(20):159-164. Available from, DOI: 10.1016/j.ifacol.2015.10.132


Bigoni D, Engsig-Karup AP, Marzouk YM. Adaptive spectral tensor-strain decomposition for the construction of surrogate models. 2015. Poster session presented at SIAM Conference on Computational Science and Engineering (SIAM CSE 2015), Salt Lake City, Utah, United States.


Madsen MH, Hansen P-E, Zalkovskij M, Karamehmedovic M, Garnæs J. Fast Characterization of Moving Samples with 

Frison G, Vukov M, Poulsen NK, Diehl M, Jørgensen JB. High-Performance Small-Scale Solvers for Moving Horizon 
Estimation. In Preprints of the 5th IFAC Conference on Nonlinear Model Predictive Control (NMPC). International 
Federation of Automatic Control. 2015. p. 80-86.

Xenaki A, Knudsen K. High-resolution imaging methods in array signal processing. Kgs. Lyngby: Technical University of 
Denmark (DTU), 2015. 121 p. (DTU Compute PHD-2015; No. 368).

Jørgensen JS, Sidky EY. How little data is enough? Phase-diagram analysis of sparsity-regularized X-ray computed 

Lylloff OA, Fernandez Grande E, Agerkvist FT, Hald J, Tiana Roig E, Andersen MS. Improving the efficiency of 
deconvolution algorithms for sound source localization. Journal of the Acoustical Society of America. 2015;138(1):172- 
180. Available from, DOI: 10.1121/1.4922516


Mohd. Azam SN, Jørgensen JB. Modeling and Simulation of a Modified Quadruple Tank System. In Proceedings of the 
Available from, DOI: 10.1109/ICCSCE.2015.7482213

1006. Available from, DOI: 10.1002/we.1742

Frison G, Jørgensen JB. MPC Related Computational Capabilities of ARMv7A Processors. In Proceedings of the 

Christensen MLC, Villa U, Vassilevski P. Multilevel techniques lead to accurate numerical upscaling and scalable robust 

Gerstoft P, Xenaki A, Mecklenbrauker CF. Multiple and single snapshot compressive beamforming. Journal of the 

Rose S, Andersen MS, Sidky EY, Pan X. Noise properties of CT images reconstructed by use of constrained total-
variation, data-discrepancy minimization. Medical Physics. 2015;42(5):2690-2698. Available from, DOI: 
10.1118/1.4914148

University of Denmark (DTU), 2015. 116 p. (DTU Compute PHD-2015; No. 362).

Karamenłowicz M. On analytic continuability of the missing Cauchy datum for Helmholtz boundary problems. 
2014-12103-4

Barannyk LL, Frikel J, Nguyen LV. On artifacts in limited data spherical Radon transform: curved observation surface. 


Engsig-Karup AP, Bigoni D, Glimberg SL. **Stochastic Wave Dynamics and Uncertainty Quantification.** 2013. Poster session presented at 38th Woudschoten Conference, Zeist, Netherlands.


