A high-performance Riccati based solver for tree-structured quadratic programs
Publication: Research - peer-review › Conference article – Annual report year: 2017

Block factorization of step response model predictive control problems
Publication: Research - peer-review › Journal article – Annual report year: 2017

Hardware Tailored Linear Algebra for Implicit Integrators in Embedded NMPC.
Publication: Research - peer-review › Conference article – Annual report year: 2017

Algorithms and Methods for High-Performance Model Predictive Control
Publication: Research › Ph.D. thesis – Annual report year: 2016

An Efficient Implementation of Partial Condensing for Nonlinear Model Predictive Control
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Economic MPC for a linear stochastic system of energy units
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A Homogeneous and Self-Dual Interior-Point Linear Programming Algorithm for Economic Model Predictive Control
Publication: Research - peer-review › Journal article – Annual report year: 2015

Efficient solvers for soft-constrained MPC
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High-Performance Small-Scale Solvers for Moving Horizon Estimation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

MPC Related Computational Capabilities of ARMv7A Processors
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015
Real-Time Optimization for Economic Model Predictive Control
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Projects:

Optimization Algorithms for Experimental Design, Parameter Estimation, and Control of Dynamic Systems
Frison, G., Jørgensen, J. B., Poulsen, N. K., Engsøg-Karup, A. P., Axehill, D. & Ferreau, H. J.
01/10/2012 → 20/04/2016
Project: PhD