Research outputs:

Assimilating flow and level data into an urban drainage surrogate model for forecasting flows and overflows
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Lessons learned from comparing smart meter water consumption data with measured wastewater flow in the drainage system
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2019 › Research › peer-review

Model predictive control of urban drainage systems: A review and perspective towards smart real-time water management
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Using the Ensemble Kalman Filter to update a fast surrogate model for flow forecasting
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2018 › Research › peer-review

Advancing from underground to above-ground model predictive control in urban drainage
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2017 › Research › peer-review

From vision to operation - Smart real-time control of water systems in Aarhus, Denmark
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2017 › Research › peer-review

Model predictive control for urban drainage: testing with a nonlinear hydrodynamic model
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2017 › Research › peer-review

Evaluation of Maximum a Posteriori Estimation as Data Assimilation Method for Forecasting Infiltration-Inflow Affected Urban Runoff with Radar Rainfall Input
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review
Projects:

Optimized real-time management of interacting water systems for a smarter city
Lund, N. S. V.; Mikkelsen, P. S., Borup, M., Helwigh, O. M., Madsen, H., Bauer-Gottwein, P., Gennari, M. G. C. & Savic, D. A.
Samfinansierede - Virksomhed
01/07/2016 → 28/08/2019
Project: PhD

Prizes:

2nd prize winner in Green Challenge at the Technical University of Denmark: Project 817: Reducing overflow to River Aarhus by using MPC - Master thesis, idea category
Nadia Schou Vorndran Lund (Recipient), 24 Jun 2016
Prize: Prizes, scholarships, distinctions