

## Special Issue

# Optimization-Driven Methods for Optimal Operation and Control Strategies

### Message from the Guest Editor

This Special Issue will collect contributions that apply and develop optimization concepts for realizing optimal process operation and control. This includes online-optimization methods, such as model predictive control (MPC) and real-time optimization (RTO), as well as developments that use optimization off-line for designing an optimal control structure, or controllers, including tuning. Applications of optimizations and new developments of optimization algorithms and methods are both welcome. Topics include

- Model predictive control
- Dynamic real-time optimization / economic model predictive control
- Real-time optimization / modifier adaptation / self-optimizing control
- Optimization-based controller design and controller tuning methods
- Learning-based optimization for optimal operation
- Data-based optimization of operations
- Plant-wide control approaches and control structure design

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### Guest Editor

Prof. Dr. Johannes Jäschke

Department Chemical Engineering, Norwegian University of Science and Technology (NTNU), Trondheim, Norway

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### Deadline for manuscript submissions

closed (30 May 2020)



## Processes

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### Message from the Editor-in-Chief

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