



Real-time Process Optimization with Simple Control Structures, Economic MPC or Machine Learning

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Deadline for manuscript submissions:

closed (15 February 2020)

Message from the Guest Editors

The special issue calls for novel advances in theoretical development as well as applications of online process optimization tools for large-scale process systems. The deadline for the manuscripts is November 15. For further planning, we would like to know by June 5 whether you consider contributing and, if so, we would need a preliminary title of your planned contribution(s). Please also let us know if you are not planning to contribute.

Topics include, but are not limited to:

- Real-time optimization (RTO)
- Dynamic RTO and Economic MPC
- Machine learning and expert systems approaches
- Self-optimizing control
- Plantwide control
- Classical “advanced” control structures including cascade control, split range control, feedforward control, selectors, valve position control
- Extremum-seeking control/hill climbing/NCO tracking
- Combination of model- and data-based approaches, including modifier adaptation





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Message from the Editor-in-Chief

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