Special Issue

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

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

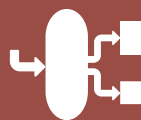## Guest Editors

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Deadline for manuscript submissions

closed (15 February 2020)

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