

## Special Issue

# State of the Art of Sliding-Mode Controller for Energy Efficiency Improvement

### Message from the Guest Editors

With the demand for energy-efficient power systems growing in many applications, control techniques to improve transient performance or energy efficiency have acquired a particularly important role. Among the available control techniques for control systems, the sliding-mode control (or variable structure control) approach has received much attention in various applications due to its robustness against disturbances and uncertainties and its superior transient response properties. As a result, numerous studies have been carried out on the applications of (higher-order or advanced) sliding-mode control techniques to improve energy efficiency or transient performance in motor drives, energy storage and supply systems, and power generators and converters. The aim of this Special Issue on “State of the Art of Sliding-Mode Controllers for Energy Efficiency Improvement” is to present up-to-date research on energy-efficiency-improved power and/or energy conversion systems by controllers, especially advanced sliding-mode controllers.

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### Guest Editors

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### Deadline for manuscript submissions

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