



## Sliding Mode Control in Dynamic Systems

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Deadline for manuscript  
submissions:

**closed (15 April 2023)**

### Message from the Guest Editors

Currently, SMC is being extensively used in power converters, electric drives, the control of underactuated systems, the control of energy conversion systems, and fault-tolerant control. The integration of machine learning techniques with SMC has caught the attention of many control engineers.

The objective of this Special Issue is to bring together an articulate set of papers that advance our understanding of the theory and practice behind SMC and its variants and contribute to further advancements from an applied perspective.

- sliding mode control—theory and practice
- higher-order sliding mode controllers
- sliding mode observers
- fixed-time nonlinear homogeneous sliding mode controller
- fast integral terminal sliding mode controller
- adaptive or neuro-adaptive global sliding mode controller
- role of SMC in industry 4.0 cyber-physical systems
- application of SMC in control of:
  - robotic manipulators
  - unmanned aerial vehicles (UAVs)
  - biomedical systems
  - power converters
  - power system
  - electric drives
  - process control
  - other dynamic systems





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## Editor-in-Chief

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## Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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