

## Special Issue

# Application of Advanced Control Technologies Using Digital Signal Processors

### Message from the Guest Editors

Digital signal processing and control engineering have been widely used in many areas of science and engineering. Control systems are designed to satisfy certain objectives such as safety regulations, reliable production, disturbance rejection, and so on and to operate under certain desired specifications and constraints for real-world problems. Moreover, there is a wide range of digital signal processing techniques that need to be considered in instrumentation and mechatronic control applications. This Special Issue invites topics broadly across advanced automatic mechatronic systems with signal, image, and video processing algorithms and technologies, some specific topics include, but are not limited to:

- Signal/image/video processing algorithms for advanced automatic mechatronic systems;
- Robotic control systems;
- Vehicle control systems;
- Motion control systems;
- Real-time, distributed, robotic, embedded, computer, and wireless control technologies;
- Advanced control algorithms using digital signal processing;
- Novel applications for digital signal processing control.

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### Guest Editors

Dr. Wu-Sung Yao

Dr. Powen Hsueh

Prof. Dr. Xudong Zhao

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### Deadline for manuscript submissions

closed (30 September 2023)



## Electronics

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## About the Journal

### 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 guestedited by leading experts in selected topics of interest.

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### Editor-in-Chief

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