



Application of Advanced Control Technologies Using Digital Signal Processors

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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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Message from the Editor-in-Chief

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