



Advanced Control Systems and Mechatronics for Improving Energy Efficiency

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Message from the Guest Editors

Dear Colleagues,

In recent years, there have been increasing concerns regarding increases in energy demand and global warming, and reductions in greenhouse gases. To reduce carbon dioxide emissions, energy consumption must be reduced by improvements in energy efficiency in the industrial and commercial sectors. Better-controlled performance, improvements in energy intensity and significantly reduced energy consumption are the goals of many manufacturing and commercial facilities. The integration of a monitoring system, data analytics, fault diagnosis and advanced control techniques would increase energy savings.

This proposed Special Issue aims to highlight all relevant aspects of the advanced control, monitoring, and system integration of energy systems related to their theory, design, modelling, data analytics methods and application in energy efficiency improvement applications. The focus will be on the most innovative approaches in terms of challenges, requirements, methodologies, technologies, and smart applications.





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Message from the Editor-in-Chief

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