Special Issue

Advanced Cyber-Physical System for Engines and Power System

Message from the Guest Editors

This Special Issue is devoted to leading articles on the problems of analysis, design, modeling and control of advanced cyber–physical systems for engines and power systems, as well as related problems and areas of scientific and practical research. The transition to the paradigm of cyber–physical systems, a feature of which is the tightly coupled integration and coordination of computing elements, communication components and physical resources, makes it possible to obtain systems with new capabilities for their consumers. In such systems, all elements are interconnected so that they can no longer be considered separately. The study of such systems implies research in the field of embedded computers, control theory, sensor and communication networks, and physical resources. Their joint work must be explored together, and this is what sets this emerging field of research apart. Even more advanced results can be obtained using artificial intelligence and machine learning technologies, decision theory and knowledge discovery.

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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