

Special Issue

Recent Advances in Electromechanical Systems

Message from the Guest Editor

In recent years, electromechanical systems with magnetic modulation are gaining wider popularity in electromechanical power conversion. Flux-modulated electric machines, magnetic gears, hybrid drives and sensors are rising many new opportunities for efficient, compact, reliable, robust control and operation for wide variety of applications in renewable wind and water sources, electrical vehicles, underwater, air, and special transportation propulsions, within the mechatronic design paradigm. The Special Issue is focused on recent advances in the analysis, design methodology, and implementation of electromechanical systems with magnetic modulation. New comprehensive works related with design, modeling, optimization, control, or performance testing of Flux-Modulated Electric Machines, Magnetic gears, Reluctance electric machines, Vernier machines, Halbach array systems, Magnetic coupling, Magnetic flux regulation, Flux modulation in wireless power transfer systems and Sensors with magnetic modulation are warmly welcomed.

Guest Editor

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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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