Special Issue

AI-Driven Design and Optimization of Microsystems

Message from the Guest Editor

With the continuous development of microsystems, their functions and structures are becoming increasingly complex. The growing demand has made it challenging to complete design and optimization tasks using traditional research methods. In recent years, neural networks, with their capabilities in regression and classification, have solved many intricate issues in engineering practice with improved efficiency. This advantage has extended to microsystems, providing new solutions for inefficient design and optimization. This Special Issue focuses on AI-driven methods for designing and optimizing microsystems. Potential targets mainly include, but are not limited to, microsensors, microactuators, microenergy, microfluidics, etc. Contributions related to AI-based signal processing within microsystems are also welcome. Research papers, short communications, and review articles are all highly encouraged.

Guest Editor

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