Topical Collection

Principles of Modular Design and Control in Complex Systems

Message from the Collection Editor

Modular design is at the core of modern engineering, which enables rapid, efficient, and reproducible construction and maintenance of complex systems across applications. Remarkably, modularity has recently been discovered as a governing principle in natural biological systems from genes to proteins to pathways to cells and microbial communities. The convergent knowledge of natural and engineered modular systems will be the key to drive modern biotechnology to address emergent challenges associated with health, food, energy, and the environment. This Special Issue calls for contributions across a broad range of disciplines that address recent experimental, computational and/or modeling advancements in modular design and control of complex systems.

Collection Editor

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