

## Special Issue

# Recent Advances in Energy and Dynamical Systems

### Message from the Guest Editor

Energy studies and dynamical systems, with their recent applications in various disciplines, serve as a cornerstone of modern science. In recent years, process control engineers have focused on optimizing the monitoring and control of process operations and implementing advanced process control and real-time optimization applications. In this respect, modeling and simulation of dynamical systems play a particularly important role in their development. This Special Issue aims to bring together cutting-edge research that explores recent advances at the intersection of energy and dynamical systems. We invite submissions that delve into the theoretical foundations, computational methodologies, and practical implications of energy and dynamical systems. Potential topics include, but are not limited to, the following:

- Control of dynamical systems;
- Data-driven dynamics;
- Estimation of energy and dynamical systems;
- Differential equations and their applications in energy, biology, and engineering;
- Mathematical modeling and analysis of process control;
- Simulation of dynamical systems;
- Fault detection of energy systems;

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### Deadline for manuscript submissions

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