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Recent Advances in Fractional-Order Equations and Their Applications in Modern Energy Systems

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Message from the Guest Editors

The purpose of this Special Issue is to continue to provide a platform to share the insights, findings, and experiences in utilizing fractional-order equations to address the challenges and opportunities in modern energy systems. Topics that are invited for submission may include, but are not limited to, the following:

Fractional-order control theory in modern energy systems;
Theoretical frameworks and foundations of fractional-order equations in modern energy systems;
Fractional-order modeling and analysis of modern energy systems;
Fractional-order control systems and implementation of modern energy systems;
Applications of fractional-order equations in renewable energy sources;
Fractional-order control and optimization of energy systems;
Fractional-order dynamics in energy storage and energy conversion systems;
Case studies and implementations of fractional-order models in energy systems;
Energy storage systems, supercapacitors and batteries, and hybrid energy storage.