



Fractional Modelling, Analysis and Control for Power System

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Message from the Guest Editors

Dear Colleagues,

A large amount of renewable energy, primarily including wind power and photovoltaic energy, has been integrated into the power grid via power electronics. Various regulation devices have been equipped to enhance the power quality. Meanwhile, communication technology and computer technology have been widely implemented in the power system. Therefore, the model of the power system is complex, and it can result in a chaos phenomenon. It has been demonstrated that establishing a model for the power system through fractional calculus can be more accurate. Meanwhile, it is crucial to study the application of control techniques in order to improve the dynamic performances of the power system. This Special Issue seeks to connect researchers from both academia and industry to introduce fractional modelling, analysis and control techniques for the power system and discuss future research opportunities.

