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## **Fractional-Order Circuit Theory and Applications**

Guest Editors:

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Deadline for manuscript submissions:

closed (31 January 2022)

## **Message from the Guest Editors**

The focus of this Special Issue is on the recent advances of these applications. The topics of interest include (but are not limited to):

- Analog and digital realization of fractional-order operators
- Approximations of the fractional-order derivatives and their applications in circuit design
- Circuit implementation, analysis, and fabrication of fractional-order components
- Fractional calculus models in physics, electrochemistry, and fluid mechanics
- Fractional-order control and its applications
- Fractional-order chaotic systems and their implementation
- Fractional-order bioimpedance models and biomedical circuits
- Fractional-order mem-elements, modeling and applications
- Fractional-order models for energy storage devices and systems
- Fractional-order circuits for machine learning
- Fractional-order nonlinear circuits and systems



