



an Open Access Journal by MDPI

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

Guest Editors:	Message from the Guest Editors
Prof. Dr. Costas Psychalinos	The focus of this Special Issue is on the recent advances of
Prof. Dr. Ahmed Radwan	these applications. The topics of interest include (but are not limited to):
Prof. Dr. Blas M. Vinagre Dr. Karabi Biswas	<ul> <li>Analog and digital realization of fractional-order operators</li> <li>Approximations of the fractional-order derivatives and their applications in circuit design</li> </ul>
Deadline for manuscript submissions: closed (31 January 2022)	<ul> <li>Circuit implementation, analysis, and fabrication of fractional-order components</li> <li>Fractional calculus models in physics, electrochemistry, and fluid mechanics</li> <li>Fractional-order control and its applications</li> <li>Fractional-order chaotic systems and their implementation</li> </ul>
	<ul> <li>Fractional-order bioimpedance models and biomedical circuits</li> <li>Fractional-order mem-elements, modeling and applications</li> <li>Fractional-order models for energy storage devices and systems</li> <li>Fractional-order circuits for machine learning</li> </ul>

• Fractional-order nonlinear circuits and systems



