

Special Issue

Continuous/Discrete-Time Fractional Systems: Modelling, Design and Estimation

Message from the Guest Editors

In the last thirty years, Fractional Calculus has become an integral part all scientific fields. Although not all the formulations are suitable for being used in applications, there are several tools that constitute true generalizations of classic operators and are suitable for describing real phenomena. In fact, many systems can be classified as either shift-invariant or scale-invariant and have fractional characteristics either in time or in frequency/scale. This means that some of the known fractional operators, namely those described by ARMA-type equations, are very useful in many areas, such as: diffusion, viscoelasticity, fluid mechanics, bioengineering, dynamics of mechanical, electronic and biological systems, signal processing, control, economy, and others. The focus of this Special Issue is to continue to advance research on topics such as modelling, design and estimation relating to fractional order systems. Manuscripts addressing novel theoretical issues, as well as those on more specific applications, are welcome.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Fractal and Fractional (*Fractal Fract.*) is a scholarly online journal which provides a forum for discussion on new original models and methods in fractals and fractional calculus both from theory and applications. It is a peer-reviewed, open access journal that publishes high quality original research articles, review papers and short communications.

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