Special Issue

Fractional Order Systems with Application to Electrical Power Engineering

Message from the Guest Editors

As the, we encourage scientists and colleagues to submit their theoretical and applied contributions, as well as review articles, to this Special Issue of Fractal and Fractional on the subject "Fractional Order Systems with Application to Electrical Power Engineering". This Special Issue aims to explore modeling, design, analysis, and control of fractional-order systems for energy and power engineering applications such as power electronics and electric motor drives, power systems, distributed generation, and multi-energy systems. Fractional calculus can outline many practical dynamic behaviors in the engineering field into fractional-order systems. As a non-standard operator, fractional-order calculus solves the problem that the constitutive model of classical differential equations cannot accurately describe the dynamic behavior of complex systems.

Guest Editors

Dr. Arman Oshnoei

Department of Energy, Aalborg University, 9220 Aalborg, Denmark

Prof. Dr. Behnam Mohammadi-Ivatloo

Smart Energy Systems Laboratory, Faculty of Electrical and Computer Engineering, University of Tabriz, Tabriz, Iran

Deadline for manuscript submissions

closed (30 November 2023)



Fractal and Fractional

an Open Access Journal by MDPI

Impact Factor 3.6 CiteScore 4.6



mdpi.com/si/136221

Fractal and Fractional MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 fractalfract@mdpi.com

mdpi.com/journal/ fractalfract





Fractal and Fractional

an Open Access Journal by MDPI

Impact Factor 3.6 CiteScore 4.6



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Carlo Cattani

Engineering School (DEIM), University of Tuscia, Largo dell'Università, 01100 Viterbo, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

Journal Rank:

JCR - Q1 (Mathematics, Interdisciplinary Applications) / CiteScore - Q1 (Analysis)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.9 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2024).

