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# **Fractional Differential Equations and Control Problems**

Guest Editor:

#### Prof. Dr. Ivan Matychyn

Faculty of Mathematics and Computer Science, University of Warmia and Mazury in Olsztyn, Olsztyn, Poland

Deadline for manuscript submissions:

closed (30 June 2023)

## Message from the Guest Editor

Dear Colleagues,

Differential equations of non-integer order arise in a natural manner as mathematical models of dynamic systems that exhibit such properties as long-term memory and self-similarity. Such systems are then said to have fractional dynamics. Applications and examples of systems with fractional dynamics are ubiquitous in a diverse set of areas. The growing demand for efficient and high-performance systems exhibiting fractional dynamics induces growth in the demand for optimal control theories and methods.

In this Special Issue, we aim to present the recent developments in the theory and applications of any types of fractional differential equations and inclusions, with a special emphasis on control problems for fractional ordinary and partial differential equations.

This Special Issue will accept high-quality papers containing original research results and survey articles of exceptional merit in the following fields:

Fractional differential equations and their applications;

Stability analysis and control design for fractional order systems;

Fractional optimal control;

Fractional calculus of variations:

Differential games with fractional derivatives.









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#### Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

## Message from the Editor-in-Chief

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