



**CALL FOR PAPERS
SPECIAL SESSION ON**

**“Developments in Fractional Order Modeling and Control”
for CODIT’20**

June 29 - July 2, 2020, ▪ Prague, Czech Republic

Session Co-Chair :

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Session description

Fractional calculus is an alternative approach for modeling and control of a system, frequently opted by many researchers in the last few decades. Fractional order approach has the potential to provide a more accurate analysis of a system compared to its integer counterpart. This special session is dedicated to the developments towards the modeling and control of a system using a fractional calculus approach.

The goal of this session is to bring new ideas in the area of fractional-order modeling and control, and provide a platform for researchers to exchange their ideas. The fellow researchers, academicians, industry experts, and students from engineering disciplines working on a similar topic are welcome to contribute to the session.

The topics of interest include but are not limited to:

- ❖ Fractional Order Control:
 - Developments in the tuning of fractional PID controllers.
 - Fractional control strategies for different systems.
 - Robotic Systems
 - UAVs
 - Renewable Energy Systems
 - Sliding Mode Control
 - Adaptive Fractional Order Control
 - Developments of optimized control algorithms

- ❖ Fractional Order modeling:
 - Dynamical Systems
 - Robotic Systems
 - Under-actuated Systems
 - UAVs
 - Developments of optimized algorithms for modeling
 - Renewable Energy Systems
 - Mechatronics
 - Electronic Devices and Circuits

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **January 24, 2020**: <http://controls.papercapt.net/conferences/scripts/start.pl>. In PaperCept, click on the **CoDIT 2020 link** **“Submit a Contribution to CoDIT 2020” and follow the steps.**

IMPORTANT: All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double column format).

DEADLINES

January 24, 2020: deadline for paper submission

April 10, 2020: notification of acceptance/reject

May 7, 2020: deadline for final paper and registration