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CEIT'2015

Special Session on

Fractional Order Signals, Systems and Controls

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Call for Papers

Fractional order calculus has gathered a great research effort during the past decades. It has found applications in numerous engineering disciplines such as signal processing, system modeling and identification and control systems. Hence, new research fields have emerged such as fractional order signal processing (FOSP), fractional order systems (FOS) and fractional order control (FOC).

The aim of this special session is to present recent theoretical development and applications results in the domains of FOSP, FOS and FOC. Authors of this special session are welcomed to submit their research describing scientific work related to FOSP, FOS and FOC. ([for further information, please contact the organizing chairmen by email](#)).

The topics of this special session on fractional order calculus include, but are not limited to:

- Theory and applications of FOSP in various fields (signal and image processing, biomedical signal processing, ...)
- Identification, Implementation, Modeling and Simulation and of FOS
- Structural Analysis of FOS (Stability, Controllability and Observability, ...)
- Theory and applications of FOC (classical control, optimal control, adaptive control and Robust control, ...) in various fields (Electrical Engineering, Robotics, Mechatronics, Chemistry, Physics, Bioengineering, Renewable energy, ...)

Keywords: Fractional order calculus, FOSP, FOS, FOC

Submission: Papers should be submitted online to:

<https://cmt.research.microsoft.com/CEIT2015/>

by **February 15th, 2015**.

Format: Papers should be written according to IEEE standard. Papers should not exceed 6 pages