



Fractional-Order Controllers in Electronics and Automation Engineering

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Message from the Guest Editors

Dear Colleagues,

Fractional calculus has been considered as an alternative to improve the modeling, performance, and efficiency of linear and non-linear systems. Focusing on transient and permanent responses as well as the velocity of regulation and robustness, many control strategies have been adapted to integrate the definition of fractional-order derivatives/integrals to the control objective.

To date, some theory and practical results have been reported, but a systematic procedure to integrate a fractional-order approach into a control strategy and its implementation are not clear enough.

Therefore, this Special Issue is an invitation for researchers to explore the potential of fractional-order theory through visionary, radical, innovative, and ingenious control proposals to help expand the application areas, exploit the advantages, determine the limitations, and above all, clarify the bridge that connects the theory with its implementation.

Dr. Allan G. Soriano-Sánchez

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Guest Editors





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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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