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Significance of Mathematical Modelling and Control in Real-World Problems: New Developments and Applications

Guest Editors:

Dr. Mehmet Yavuz

1. Department of Mathematics and Computer Sciences, Necmettin Erbakan University, Meram Yeniyol, 42090 Meram, Konya, Turkey

2. Department of Mathematics, College of Engineering, Mathematics and Physical Sciences, University of Exeter, Cornwall TR10 9FE, UK

Dr. Ioannis Dassios

School of Electrical and Electronic Engineering, University College Dublin, D04 V1W8 Dublin, Ireland

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Message from the Guest Editors

Mathematical modeling and systems control arise in many research problems, ranging from physical and chemical processes to biomathematics and life science. Their theoretical description is closely connected with various areas of pure and applied mathematics including nonlinear modeling, integro-differential equations, nonlinear dynamics, pattern formation, non-Markovian processes, nonlinear and anomalous transport, time-delay equations and so on.

The aim of this Special Issue is to collect original and high-quality contributions related to the mathematical theory of such processes and phenomena including the dynamical models, applied and computational algorithms, controller design and mathematical methods regarded as new and prominent for understanding the problems that arise in natural phenomena...



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Special Issue