

## Special session on advances in fractional order modelling and control

**Cristina Muresan, Carla Pinto, Eva Dulf**

*Abstract:* Fractional order differentiation is a generalization of classical integer differentiation to real or complex orders. In the last couple of decades, the use of fractional order calculus in modelling and control applications has seen a tremendous increase in research papers. This is mainly due to arguments recommending fractional calculus as an optimal tool to describe the dynamics of complex systems and to enhance the performance and robustness of control systems. Among these, fractional order PID controllers tuning, implementation and experimental validation occupy an important place. However, there are still many issues and open problems that need to be addressed in this area. This special session welcomes papers dealing with fractional calculus in modelling and control applications and aims at presenting some recent developments in this area of research. We welcome any contribution within the general scope of the Special Session theme "Advances in Fractional Order Modelling and Control".

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- 1) Cristina Muresan, Associate Professor: Technical University of Cluj-Napoca, Str. Memorandumului no. 28 400114 Cluj-Napoca, Romania (RO), cristina.muresan@aut.utcluj.ro, the author presented this contribution at the conference in the special session: "Advances in fractional order modelling and control" organized by C. Muresan, C. Pinto and E. Dulf.
  - 2) Carla Pinto, Professor: Instituto Superior de Engenharia do Porto, Rua Dr. António Bernardino de Almeida, 431 4249-015 Porto, Portugal (PT), cpinto@fc.up.pt.
  - 3) Eva Dulf, Professor: Technical University of Cluj-Napoca, Str. Memorandumului no. 28 400114 Cluj-Napoca, Romania (RO), eva.dulf@aut.utcluj.ro.