Special Issue on

Numerical Solution of Fractional Differential Equations (Theory, Methods, and Applications)

CALL FOR PAPERS

Fractional calculus and fractional differential equations have found interesting applications in several different disciplines during the last thirty years. It has recently been investigated that many engineering and physical processes can be modeled and well explained by system of fractional order differential equations compared with system of conventional differential equations and that fractional order differentials and integrals provide more accurate models of systems under consideration. Also, the analytical results based on the existence and uniqueness of solutions to the fractional differential equations has been investigated by many authors.

The aim of this special issue is to gather recent research efforts on the development and applications of factional differential equations and to see the latest developments.

Potential topics include but are not limited to the following:

- ▶ Analytical and numerical methods of fractional differential equations
- ▶ Mathematical modeling of fractional differential equations
- ▶ Applications of fractional calculus in physics, mechanics, chemistry, economics, biology, engineering, and so forth
- ▶ Applications of fractional calculus in finance and economy dynamics
- ▶ Fractional modeling and control applications

Authors can submit their manuscripts through the Manuscript Tracking System at http://mts.hindawi.com/submit/journals/ijde/nsfd/.

Lead Guest Editor

Hossein Aminikhah, University of Guilan, Rasht, Iran
aminikhah@guilan.ac.ir

Guest Editors

Aliakbar M. Haghighi, Prairie View A&M University, Prairie View, USA
amhaghighi@pvamu.edu

Alireza Nouri, University of Alberta, Edmonton, Canada
anouri@ualberta.ca

Rana D. Parshad, Clarkson University, Potsdam, USA
rparshad@clarkson.edu

Sunil Kumar, National Institute of Technology, Jharkhand, India
skumar.math@nitjsr.ac.in

Amirhossein R. Sheikhani, Islamic Azad University of Lahijan, Lahijan, Iran
ah_refahi@yahoo.com

Manuscript Due
Friday, 28 April 2017

First Round of Reviews
Friday, 21 July 2017

Publication Date
Friday, 15 September 2017