Special Issue on Differential Equations and Dynamic Systems

Call for Papers

Differential Equation is a mathematical equation for an unknown function of one or several variables that relates the values of the function itself and its derivatives of various orders. Differential equations play a prominent role in engineering, physics, economics, and other disciplines. Differential equation arise in many areas of science and technology, specifically whenever a deterministic relation involving some continuously varying quantities (modeled by functions) and their rates of change in space and/or time (expressed as derivatives) is known or postulated. As one of most important methods in the pure mathematics, differential equations and dynamic systems are of great attractions to researchers.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore differential equations and dynamic systems. Potential topics include, but are not limited to:

- Bifurcation theory
- Connection theory
- Dichotomies
- Ergodic theory
- Finite and infinite dimensional systems
- Index theory
- Invariant manifolds
- Singular perturbations

 Authors should read over the journal’s Authors’ Guidelines carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal’s Paper Submission System.

Please kindly note that the “Special Issue” under your manuscript title should be specified and the research field “Special Issue - Differential Equations and Dynamic Systems” should be selected during your submission.

According to the following timetable:

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Guest Editor: