



Special Issue on Dynamical System and Its Application

Call for Papers

In mathematics, a **dynamical system** is a system in which a function describes the time dependence of a point in a geometrical space. At any given time, a dynamical system has a state given by a tuple of real numbers (a vector) that can be represented by a point in an appropriate state space (a geometrical manifold). The evolution rule of the dynamical system is a function that describes what future states follow from the current state. The study of dynamical systems is the focus of dynamical systems theory, which has applications to a wide variety of fields such as mathematics, physics, biology, chemistry, engineering, economics, and medicine. Dynamical systems are a fundamental part of chaos theory, logistic map dynamics, bifurcation theory, the self-assembly process, and the edge of chaos concept.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on **dynamical system and its application**. Potential topics include, but are not limited to:

- Bifurcation theory
- Ergodic systems
- Nonlinear dynamical systems and chaos
- Logistic map
- Stability of the dynamical system
- Applications of dynamical systems

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue – Dynamical System and Its Application**” should be chosen during your submission.

According to the following timetable:

Submission Deadline	January 30th, 2018
Publication Date	March 2018

Guest Editor:

For further questions or inquiries



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