

## Special Issue on Nonlinear Time Series: Computations and Applications

### Call for Papers

Nonlinear time series attracts researchers from many areas of sciences and technologies, ranging from mathematics and physics to computer science. Two categories of nonlinear time series will be considered in this special issue. The one is fractal time series with power law; the other is chaotic series.

The focus of this special issue is on the computations of nonlinear time series toward the applications to various issues in science and engineering. It would be an opportunity of extending the research field of fractals, chaos, wavelets, applied mathematics, and applied statistics in all aspects of theoretical and practical study.

We are soliciting original high-quality research papers on topics of interest connected with the nonlinear time series that include, but are not limited to the following main topics:

- Fractal or chaotic time series, its modeling, and computations
- Dynamical systems relating to fractal or chaotic time series
- Wavelet analysis and its application to nonlinear time series

In addition, applications to pulses, the Internet, bio-engineering, industrial management science, cryptography and information security, control engineering, and complex networks are welcome.

Before submission authors should carefully read over the journal's Author Guidelines, which are located at <http://www.hindawi.com/journals/mpe/guidelines.html>. Prospective authors should submit an electronic copy of their complete manuscript through the journal Manuscript Tracking System at <http://mts.hindawi.com/> according to the following timetable:

Manuscript Due	February 1, 2010
First Round of Reviews	May 1, 2010
Publication Date	August 1, 2010

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