



**FITEE Special Feature on
New Trends in Fractional Calculus for Information Science**

Call for Papers

(Submission by Dec. 31, 2019)

Fractional calculus has a long history and its applications appear frequently in various applied areas, such as signal processing, time-series analysis, and network evolution. This special issue aims to report new trends in applications of fractional calculus for information science. You are welcome to submit manuscripts on various memory-dependent modelling methods and new applications as well as discrete fractional calculus.

Discrete fractional calculus is a new tool with discrete memory effects and it has become one of the popular topics in fractional calculus recently. Some results have been reported. In 1989, Miller and Ross began the theory of fractional difference in a finite summation. After that, several groups have developed theories of fractional difference equations on isolated time scale, including Laplace transform and Z-transform. Discrete fractional calculus has more applications in signal processing, data encryption, and self-adaptive algorithms.

This special feature focuses on, but is not limited to, the following topics:

- New applications of fractional calculus in image processing
- Dynamical analysis of fractional discrete-time systems
- Fractional calculus in artificial intelligence such as neural networks, pattern recognition, and self-adaptive algorithms

Submission Instructions

All submitted manuscripts must be written in English and must not be under consideration elsewhere for publication. Guidelines for authors are available at <http://www.jzus.zju.edu.cn/manuscript.php>. Either Word or LaTeX format is acceptable. When Word is used, the layout of the text should be in single column, 1.5 lines spacing, 10.5 pt font size, and Times New Roman font. A template is available at http://www.jzus.zju.edu.cn/download/FITEE_LaTeX_template.zip. Manuscripts should be submitted via <https://www.editorialmanager.com/zusc> under the article type “S.I. - FractCalc”. All articles will undergo international peer review and crosscheck processes before they are accepted to ensure high quality.

Introduction to *FITEE*

FITEE is a peer-reviewed journal launched by the Chinese Academy of Engineering (CAE) and Zhejiang University, co-published by Zhejiang University Press and Springer, and indexed by SCI-E (IF=1.033), Ei Compendex, Scopus, etc. *FITEE* aims to publish the latest implementation of applications, principles, and algorithms in the broad area of Electrical and Electronic Engineering.

Important Dates

Manuscript submission by Dec. 31, 2019

Acceptance notification by Apr. 1, 2020

Publication date: July 1, 2020

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Department of Informatics, University of Leicester, UK

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Email: puyifei_007@163.com

Contact

Guest Deputy Editor-in-Chief:

Prof. Guo-cheng Wu

Email: wuguocheng@gmail.com

Editorial Office:

Zi-yang Zhai, Managing Editor

Email: jzus_zzy@zju.edu.cn

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