EDITORIAL

FCAA RELATED NEWS, EVENTS AND BOOKS (FCAA–VOLUME 21–4–2018)

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Dear readers,

in the Editorial Notes we announce news for our journal, anniversaries, information on international meetings, events, new books, etc. related to the *FCAA* (“Fractional Calculus and Applied Analysis”) areas.

All these Notes are published online with free open access, at <https://www.degruyter.com/view/j/fca>.

1. News – FCAA metrics by Clarivate Analytics (Thomson Reuters) and Scopus for 2017

As announced in end of June 2018, the new data metrics for year 2017 of *Fract. Calc. Appl. Anal.* are:

- at Web of Science - SCI Exp., JCR - SCI Ed.:
Impact Factor 2017: 2.865 ; 5-year Impact Factor: 3.323;
- CiteScore 2017: 3.06; – Quartiles: Q1;
- at Scopus (Elsevier):
SCImago Journal Rank (SJR) 2017: 1.967; Source Normalized Impact per Paper (SNIP) 2017: 1.954; H index: 30.

2. New Books

Rafael Martínez-Guerra, Claudia Alejandra Pérez-Pinacho, *Advances in Synchronization of Coupled Fractional Order Systems*. Springer, Ser. Understanding Complex Systems, 2018, 185 pp.+ XIX, ISBN: 978-3-319-93945-2 (hardcover), ISBN: 978-3-319-93946-9 (ebook); DOI:10.1007/978-3-319-93946-9.

Details: <https://www.springer.com/us/book/9783319939452> .

Book Description: After a short introduction to the fundamentals, this book provides a detailed account of major advances in applying fractional calculus to dynamical systems. Fractional order dynamical systems currently continue to gain further importance in many areas of science and engineering.

As with many other approaches to mathematical modeling, the first issue to be addressed is the need to couple a definition of the fractional differentiation or integration operator with the types of dynamical systems that are analyzed. As such, for the fundamentals the focus is on basic aspects of fractional calculus, in particular stability analysis, which is required to tackle synchronization in coupled fractional order systems, to understand the essence of estimators for related integer order systems, and to keep track of the interplay between synchronization and parameter observation. This serves as the common basis for the more advanced topics and applications presented in the subsequent chapters, which include an introduction to the 'Immersion and Invariance' (I&I) methodology, the masterslave synchronization scheme for partially known nonlinear fractional order systems, Fractional Algebraic Observability (FAO) and Fractional Generalized quasi-Synchronization (FGqS) to name but a few.

This book is intended not only for applied mathematicians and theoretical physicists, but also for anyone in applied science dealing with complex nonlinear systems.

Contents: 10 chapters

The Contents is available at:

<https://link.springer.com/book/10.1007%2F978-3-319-93946-9#toc> .

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