



4th IFAC Workshop on

FRACTIONAL DIFFERENTIATION AND ITS APPLICATIONS'2010

University of Extremadura, Badajoz, Spain, October 18-20, 2010

Previous FDA workshops:

- The 1st IFAC Workshop on Fractional Differentiation and its Applications FDA'04 took place in Bordeaux, France; July 19-21, 2004; see <http://extranet.ims-bordeaux.fr/LAPS/wlap/events/FDA04/home.html>
- The 2nd IFAC Workshop on Fractional Differentiation and its Applications FDA'06 took place in Porto, Portugal; July 19-21, 2006; see <http://www.gecad.isep.ipp.pt/FDA06/>
- The 3rd IFAC Workshop on Fractional Differentiation and its Applications FDA'08 took place in Ankara, Turkey; November 5-7, 2008; see <http://fda08.cankaya.edu.tr/>

Scope: To provide a forum for knowledge interchange in the FDA fields and to present the state of the art on fractional systems, both on theoretical and application aspects. The growing research and developments on Fractional Calculus in areas of mathematics, physics and engineering, both from university and industry, motivates this international event to gather and unify the whole community.

Please, check for all details and current updates, via

FDA'10 Website: <http://web.tuke.sk/fda10/index.html>

E-mails: fda10@tuke.sk and fda10@unex.es

Some Important Dates: • Deadline for draft papers and special sessions submission: **15 April 2010** • Notification of acceptance: **6 June 2010** • Final manuscript and registration: **25 July 2010**

Official Call for Papers / Poster, as pdf-file, is downloadable from:

http://web.tuke.sk/fda10/FDA2010_Call_for_papers.pdf

All manuscripts will be peer-reviewed, and Proceedings will be published on CD.

Looking forward to meeting you at the FDA'10 workshop in Badajoz,
The Organizing Committee

FRACTIONAL DIFFERENTIATION AND ITS APPLICATIONS'2010

University of Extremadura, Badajoz, Spain, October 18-20, 2010

INVITATION TO SPECIAL SESSION

**“Fractional Calculus: Basic Theory and Neighbouring Fields”
dedicated to Professor emeritus Rudolf Gorenflo (FU Berlin, Germany) on
the occasion of his 80th anniversary**

Dear colleagues and friends,

It is a big pleasure for us to initiate a special session “Fractional Calculus: Basic Theory and Neighbouring Fields” dedicated to Professor emeritus Rudolf Gorenflo on the occasion of his 80th anniversary and to invite you to participate in this event, proposed to take place at the FDA'10 workshop, October 18 - 20, 2010 at the University of Extremadura in Badajoz, Spain.

The special session will be devoted but not restricted to topics in Fractional Calculus related to the all-round scientific activities of Professor Rudolf Gorenflo including e.g.: Abel type integral equations, general inverse problems, integral transforms, ordinary and partial differential equations of fractional order, special functions and operational methods in FC, FC models in the linear viscoelasticity, anomalous diffusion, and other applications, and the numerical methods in FC. Important part of this special session will be to honor Professor Rudolf Gorenflo for his valuable contributions to Fractional Calculus and its applications.

Some important dates, as announced generally for FDA'10:

- Deadline for submission of the draft papers: 15 April 2010
- Notification of acceptance: 6 June 2010
- Final manuscript and registration: 25 July 2010

Please indicate on your manuscript that it is devoted to the 80th anniversary of Professor Rudolf Gorenflo. Selected papers presented at this special session will be considered for possible publication, after peer-reviewing, in a special issue of "Fractional Calculus and Applied Analysis" and other journals related to FDA'10.

For more information and all details concerning the FDA'10, see its **web-site:** <http://www.tuke.sk/fda10/>. Please do not hesitate to contact us, via Y. Luchko: luchko@bht-berlin.de, in case of any questions or suggestions.

Organizers of the Session: Yury Luchko, Virginia Kiryakova, Francesco Mainardi, Igor Podlubny, Masahiro Yamamoto