



4th IFAC Workshop on

Fractional Differentiation and Its Applications'2010

organized by

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

In the last decades, fractional (or non integer) differentiation has played a very important role in various fields such as mechanics, electricity, chemistry, biology, economics and notably control theory and signal and image processing. In these last three fields, some important considerations such as modeling, curve fitting, filtering, pattern recognition, edge detection, identification, stability, controllability, observability and robustness are now linked to long-range dependence phenomena. Considering the number of sessions now organized in intentional conferences, of special issues reserved by journal editors, and of articles in conferences and journals, fractional differentiation and its applications is an important issue for the international scientific community.

The scope of the workshop is to present the state of the art on fractional systems, both on theoretical and application aspects. The growing research and development on fractional calculus in the areas of mathematics, physics and engineering, both from university and industry, motivates this international event gathering and unifying the whole community.

All manuscripts will be peer reviewed. Proceedings will be published on CD.

For all details, please follow the information which will be updated at the FDA'10 Website: <http://web.tuke.sk/fda10/index.html>
E-mail: fda10@tuke.sk

Some Important Dates: - Deadline for draft papers and special sessions submission: **15 April 2008** - Notification of acceptance: 6 June 2008 - Final manuscript and registration: **25 July 2008** You can get more details on the workshop web site: <http://ees.fberg.tuke.sk/fda10/> . Specific questions can also be send by e-mail at: fda10@tuke.sk . We are looking forward to meeting you at the FDA'10 workshop in Badajoz. With best regards,

The Organizing Committee