

Call for Papers

FDA'06



Second IFAC Workshop on Fractional Differentiation and its Applications

19 - 21 July, 2006, Porto, Portugal

Workshop Scope

This workshop will joint experts and researchers in the field of fractional differentiation and its applications, both from universities and industry. The event will allow the discussion of new ideas and results, making the point on the state of the art and on current research lines in theory, methodology, applications and tools.

List of Topics

The following areas will be covered by the workshop: representation tools, analysis and synthesis methods, system modeling and simulation, identification and control algorithms, vibration insulation, filtering, pattern recognition and edge detection. The following disciplines are thus mainly concerned:

- Physics
- Economy
- Robotics
- Telecommunications
- Biology, biophysics
- Electrical engineering
- Electromagnetism
- Thermal engineering
- Rheology
- Image processing
- Electronics
- Electrochemistry
- Mechanics, mechatronics
- Automatic control
- Signal processing

The first application of fractional differentiation in industrial engineering appeared two decades ago. Important industrial groups have shown growing interest and some are now developing products in the context of university-industry relations. This workshop will be the opportunity to present the latest industrial application and technological transfers achieved. Besides the presentation of theoretical works and applications, this workshop can also give rise to benchmark, testing bench and software presentations.

Call for Papers

Authors should send the draft paper (4 to 6 pages) to the IFAC'06 secretariat, up to November 15, 2005, preferably through electronic submission (.ps or .pdf file). If electronic submission is not possible send your draft by mail to: *J. A. Tenreiro Machado, ISEP - Institute of Engineering of Porto, Dept. of Electrotechnical Engineering, R. Dr. António Bernardino de Almeida, 4200-072 Porto, Portugal.*

Sessions focusing on particular topics are also invited. A special session should comprise 4 to 6 contributions. The proposal should contain a draft paper of each contribution. Papers submitted for special sessions are subject to the same review procedures as regular papers.

General Informations

Organized by

Institute of Engineering of Porto, Dept. of Electrotechnical Engineering, R. Dr. António Bernardino de Almeida, 4200-072 Porto, Portugal.

Tel: 351 22 8340500, Fax: 351 22 8321159, URL: <http://www.dee.isep.ipp.pt>

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Venue for the Workshop

Conference will take place at the Institute of Engineering of Porto, R. Dr. António Bernardino de Almeida, 4200-072 Porto, Portugal. For further information on the conference site, see: <http://www.gecad.isep.ipp.pt/FDA06/>

Important Dates

Deadline for draft papers and special sessions submission: 15 November 2005

Notification of acceptance: 15 February 2006

Final manuscript and registration: 15 March 2006

Workshop: 19 - 21 July 2006

Email: fda06@dee.isep.ipp.pt

Website: <http://www.gecad.isep.ipp.pt/FDA06/>

