



## The 5th IFAC SYMPOSIUM ON FRACTIONAL DIFFERENTIATION AND ITS APPLICATIONS

### CALL FOR PAPERS – First Announcement

## The 5th IFAC SYMPOSIUM ON FRACTIONAL DIFFERENTIATION AND ITS APPLICATIONS – FDA'12

<http://em.hhu.edu.cn/fda12>

Hohai University, Nanjing, China, 14-17 May 2012

### Organizers

Hohai University, Nanjing, China

### Sponsors

Technical Committee: TC 2.2 Linear Control Systems, International Federation of Automatic Control (IFAC), Chinese Society of Theoretical and Applied Mechanics, Hohai University, Shanghai University.

### Invitation to FDA'12

The purpose of this Symposium in series is to provide the participants with a broad overview of the state of the art on fractional systems, leading to the cross-fertilization of new research on theoretical, experimental and computational fronts for potential uses of fractional differentiation in diverse applications. The organizing committee invites you from all over the world to come to Nanjing to attend this wonderful event.

### Topics

Anomalous diffusion; Automatic Control; Biology; Continuous Time Random Walk; Electrical Engineering; Electronics; Electrochemistry; Electromagnetism; Finance and Economics; Earth Science; Fractional Filters; Biomedical Engineering; Fractional Phase-Locked Loops; Fluid Mechanics; Fractional Variational Principles; Fractional Transforms; Fractional Wavelet; Composite Drug Signals; History of Fractional Calculus; Image Processing; Mathematical methods; Mechanics; Physics; Robotics; Signal Processing; Singularities Analysis and Integral Representations for Fractional Differential Systems; Special Functions Related to Fractional Calculus; Thermal Engineering; Viscoelasticity; etc.

### Information about Nanjing

Nanjing city has 40 plus universities and colleges, 6 millions inhabitants and is the capital of Jiangsu province, which is situated on the middle and lower reaches of the Yangzi river in eastern coastal China. With its majestic landscapes and epic history and cultures, it has become a hotspot for tourists. It is worthy of noting that II Summer Youth Olympic Games will be held in Nanjing in 2014.

Nanjing International Airport has more than 126 air lines leading to major cities in the world, such as Frankfurt, Los Angeles, New York, Singapore, Incheon, Hong Kong, Tokyo, Osaka. There are also high-speed railway lines to major cities of China, such as Shanghai, Beijing, Wuhan and Guangzhou. The City can also be reached with an hour express train from Shanghai.

### Conference Date

May 14-17, 2012 (Tentative), 4 days including one or half a day excursion

For further information, please visit the workshop web site: <http://em.hhu.edu.cn/fda12>

Specific questions or inquiries can be emailed to [fda12@hhu.edu.cn](mailto:fda12@hhu.edu.cn)