

**3rd IFAC WORKSHOP on  
Fractional Differentiation and Its Applications (FDA'08),  
5-7 November 2008**

**Report**

The workshop was organized by Cankaya University in Ankara, Turkey. IFAC, Cankaya University and TUBITAK were the main sponsors of the workshop.

The main scope of the workshop was to present the state of the art on fractional systems, both on theoretical and application aspects.

The Chairman of the Workshop was Professor J.A. Tenreiro Machado (Portugal), the Vice-Chairmen were Alain Oustaloup (France) and Wen Chen (China). The Chairman of the National Organizing Committee was Professor Dumitru Baleanu (Turkey).

During the workshop, 16 plenary and invited lecturers were presented. 152 participants from 34 different countries have attended the workshop.

145 manuscripts were accepted for publication on a CD Proceedings which was distributed to participants. Selected papers are going to be published by Springer, by the Physica Scripta-Topical Issue, by the Communications in Nonlinear Science and Numerical Simulation-Special Issue and by the Computers and Mathematics with Applications-Special Issue.

A round-table discussion "Unsolved Research Problems in Fractional Calculus" took place, the posed open problems can be seen at the FDA'08 website, <http://www.cankaya.edu.tr/fda08/FDA08-RoundTable.ppt>

FDA'08 Authors' Awards were presented as follows:

1. M. Caputo (Italy) 2. R.R. Nigmatullin (Russia) 3. J.A. Tenreiro Machado (Portugal) 4. O.P. Agrawal (USA) 5. E. Scalas (Italy) 6. J. Sabatier (France) 7. R. Magin (USA) 8. W. Chen (China) 9. J.J. Trujillo (Spain) 10. Y. Luchko (Germany)

FDA'08 Young Authors' Riemann-Liouville Awards were given.  
The winner was Yan Li (USA).

The finalists were: 1. Y. Li (USA) 2. A.K. Golmankhaneh (India)  
3. J. Adams (USA) 4. M. Sharma (India) 5. O. Chis (Romania)

FDA'08 Young Authors' Mittag-Leffler Awards were given.  
The winner was Duarte Valerio (Portugal).  
The finalists were: 1. D. Valerio (Portugal) 2. A. Konuralp (Turkey)  
3. O. Defterli (Turkey) 4. A. Serbest (Turkey) 5. T. Shcheglova (Russia)

The Workshop was opened by D. Baleanu - National Organizer of FDA08,  
J.A. Tenreiro Machado - Chairman of FDA08, Prof. Dr. Ziya B. Guvenc -  
Rector of Cankaya University, Sitki Alp - President of the Board of Trustees -  
Cankaya University. Special guest of the opening ceremony was Archbishop  
Antonio Lucibello - The Vatican Ambassador to Turkey who had the honour  
to handle the award to Prof. Michele Caputo.

The Final Workshop Program can be found at  
[http://www.cankaya.edu.tr/fda08/tentative\\_program.php](http://www.cankaya.edu.tr/fda08/tentative_program.php)

The participants enjoyed the social program including students' concerts, excursions and welcome parties.

Photos from the event can be seen and download from the FDA'08 website (menu "FDA08 Photos") or following the link  
<http://album.cankaya.edu.tr/?level=collection&id=5>

More information on FDA'08 is available at:  
<http://www.cankaya.edu.tr/fda08>

*Dumitru Baleanu, Virginia Kiryakova*