ENOC 2008 MINISYMPOSIA (CONFIRMED)

– **Reduced-Order Modeling**
Chairs/Organizers: **H. Troger** (Austria), **A. Vakakis** (Greece)

– **Dynamics and Optimization of Multibody Systems**
Chairs/Organizers: **F. Chernousko** (Russia), **P. Eberhard** (Germany), **D. Bestle** (Germany)

– **Micro- and Nano- Electro-Mechanical Systems**
Chairs/Organizers: **O. Gottlieb** (Israel), **S. Shaw** (USA)

– **Nonlinear Stochastic Systems**
Chairs/Organizers: **S. Namachchivaya** (USA) **A. Naess** (Norway), **D. Iourchenko** (Russia)

– **Nonlinear Dynamics and Characterization of Distributed-Parameter Systems**
Chairs/Organizers: **S. Natsiavas** (Greece), **F. Vestroni** (Italy), **B. Balachandran** (USA)

– **Resonant problems in slow-fast systems**
Chairs/Organizers: **F. Verhulst** (Netherlands), **A. Neishtadt** (Russia)

– **Fractional Derivatives and Their Applications**
Chairs/Organizers: **T. Machado** (Portugal), **O. P. Agrawal** (USA), **A. K. Belyaev** (Russia)

– **Asymptotic Methods**
Chairs/Organizers: **J. Awrejcewicz** (Poland), **I. Andrianov** (Germany), **L.I. Manevitch** (Russia)

– **Experimental Methods**
Chairs/Organizers: **W. Lacarbonara** (Italy), **N. van de Wouw** (The Netherlands), **H. Yabuno** (Japan)

– **Nonlinear Vibrations and Applications**
Chairs/Organizers: **I.I. Blekhman** (Russia), **J.J. Thomsen** (Denmark)

– **Fundamental and Computational Aspects of Non-Smooth Systems**
Chairs/Organizers: **A.M. Krivtsov** (Russia), **C. Lamarque** (France), **R. Leine** (Switzerland)

– **Engineering Applications**
Chairs/Organizers:
A.Fidlin(Germany**), M. Wiercigroch** (UK)

– **Hybrid Mechanical Systems**
Chairs/Organizers: **G. Leonov** (Russia), **H. Nijmeijer** (The Netherlands**)**

– **Nonlinear Dynamics of Structures and Machines**
Chairs/Organizers: **M.P. Cartmell** (UK), **Yu.V. Mikhlin** (Ukraine), **K.V. Avramov** (Ukraine)

WORKING LANGUAGE

English will be the official language of the Conference. No simultaneous translation will be provided.

CONFERENCE PROCEEDINGS

Conference proceedings on CD-ROM will be distributed to the registered participants.

STEERING COMMITTEE

Prof. Dr. A.L. Fradkov, IPME RAS (Chair)
Prof. Dr. D.A. Indejtsev, IPME RAS (Co-Chair)
Prof. Dr. G.A. Leonov, St.Petersburg State University (Co-Chair)
Prof. Dr. D. van Campen, Eindhoven University of Technology (Co-Chair)
Prof. Dr. B.R. Andrievsky, IPME RAS
Prof. Dr. A.K. Belyaev, St.Petersburg State Polytechnical University
Prof. Dr. I.I. Blekhman, IPME RAS
Prof. Dr. A.N. Churilov, St.Petersburg State Marine Technical University
Prof. Dr. A.M. Krivtsov, St.Petersburg State Polytechnical University
Prof. Dr. B.V. Trifonenko, St.Petersburg State University
Dr. N.V. Kuznetsov, St.Petersburg State University

IMPORTANT DATES:

Deadline for submission:	**November 15, 2007.**
Notification of acceptance:	**February, 15, 2008.**
Camera ready copy:	**April 15, 2008.**
Conference:	**June 30 – July 4, 2008.**

European Mechanics Society

EUROPEAN MECHANICS SOCIETY

6th EUROMECH Nonlinear Dynamics Conference (ENOC 2008)

Saint Petersburg, RUSSIA
June 30 – July 4, 2008

FIRST ANNOUNCEMENT AND CALL FOR PAPERS

Sponsors include:

- International Physics and Control Society
- Russian Academy of Sciences
- Institute for Problems of Mechanical Engineering of Russian Academy of Sciences
- St. Petersburg State University

SCOPE OF THE CONFERENCE

Although still the brand name ENOC (EUROMECH Nonlinear Oscillations Conference) is used as the historical abbreviation, the ENOC Conferences aim at covering the complete field of Nonlinear Dynamics, including Multibody Dynamics and couplings to related fields like Control and (Structural) Optimization.

During the past decades, the area of Nonlinear Dynamics has been evolved in a revolutionary way, in particular in conjunction to applications in nonlinear engineering systems. The application of Nonlinear Dynamics to a wide variety of engineering systems has been possible due to the use of sophisticated computational techniques employing powerful concepts of Nonlinear Dynamics. These concepts have been and are being developed in Control, Mathematics, Mechanics and Physics. Careful experimental studies are vitally needed to observe and establish the real dynamical phenomena.

The ENOC 2008 Conference is aimed at bringing together a wide variety of specialists in the above fields with the purpose to show the latest developments in the respective fields, to exchange experience and to stimulate further interaction.

The topics for the Conference ENOC 2008 include but are not limited to:

- **Nonlinear dynamics of continuous, discontinuous and hybrid systems.**
- **Qualitative and quantitative analysis of nonlinear dynamic systems.**
- **Analysis of bifurcations and chaos.**
- **Numerical and geometrical methods in nonlinear dynamics.**
- **Phenomena and criteria of chaotic oscillations.**
- **Computer aided symbolic methods in dynamics**
- **Control of oscillations and chaos.**
- **Experimental methods in nonlinear dynamics.**
- **Applications in mechanical engineering, electrical engineering, physics, biology, chemistry and other sciences.**

Contributions may be assigned either to Lecture Sessions or to Poster Discussion Sessions.

Proposals on organizing invited sessions and panel discussions on "hot topics" are welcome.

Industrial companies are invited to participate in product exhibition (please contact the organizers)**.**

SUBMISSION OF ABSTRACTS

Full text draft papers (4–6 two-column pages) should be submitted by **November 15, 2007** to the Organizing Committee. All contributions will be subject to reviewing.. No more than two papers for each presenting author will be accepted.

The title should be followed by the authors' names, affiliations, addresses (including FAX and E-mail address) and abstracts (60–100 words). Electronic submission in PDF or PS format is preferable. The site for electronic submission will be launched in **September, 2007**. Accepted papers will be published in the Conference Proceedings, which will appear on CD-ROM and will be available for conference participants on the website after the meeting.

LOCATION

Saint Petersburg is located in the mouth of Neva river near the Finnish Gulf of the Baltic Sea. There are daily flights of major international carriers to the International airport "Pulkovo" of St. Petersburg. It also can be reached from Helsinki, Finland by plane (0.5 hours) or by train (4 hours).

CONFERENCE VENUE

It is planned that the Conference will take place in one of the city hotels and in St.Petersburg State University buildings located in the historical part of the city.

SOCIAL PROGRAM

Saint Petersburg (the former capital of Russia) with about 5 millions inhabitants is often called "The Venice of the North" and recognized as one of the most beautiful cities in the world. Various guided tours over St. Petersburg and suburbs including visits to Tsars' palaces and museums will be organized during both the Conference days and the weekends.

ADDRESS OF ORGANIZING COMMITTEE

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