



5th INTERNATIONAL CONFERENCE NONLINEAR DYNAMICS - 2016

dedicated to the 90th anniversary of Academician Rvachev V.L.

27-30 September, 2016, Kharkov, Ukraine

<http://web.kpi.kharkov.ua/nd-khpi/>

The objective of the Conference is to bring together scientists and engineers to present and discuss recent developments on the different problems of nonlinear dynamics.

MAIN TOPICS OF THE CONFERENCE:

- Analytical and Numerical Methods in Nonlinear Dynamics;
- Resonances, Stability Analysis and Bifurcations in Nonlinear Systems;
- Nonlinear Normal Modes;
- Transient, Localization of Energy;
- Chaotic Dynamics;
- Nonlinear Dynamics of Continuous Systems, in particular, Plates and Shells;
- Vibro-Impact Systems and other Non-Smooth Systems;
- Problems of Control in Nonlinear Systems;
- Nonlinear Dynamics of Structures and Machines and other problems of Engineering Applications.

MINI-SYMPOSIUM «The R-FUNCTIONS THEORY, its DEVELOPMENT and RECENT APPLICATIONS» will take place in framework of the conference.

ORGANIZERS:



National Technical
University "KhPI"
(Kharkov, UKRAINE)



McGill University
(Montreal, CANADA)



Institute of Mechanics
NAS of Ukraine
(Kyiv, UKRAINE)



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KEYNOTE LECTURES:

- MARCO AMABILI (Montreal, Canada)
- JOSE M. BALTHAZAR (Sao Jose dos Campos, Brasil)
- LEONID I. MANEVITCH (Moscow, Russia)
- CHRISTOPHE PIERRE (Urbana – Champaign, USA)
- GIUSEPPE REGA (Roma, Italy)
- ALEXANDER VAKAKIS (Urbana – Champaign, USA)

ABSTRACTS and PROCEEDINGS Participants are invited to fill a Pre-Registration Form on the conference web-site and submit 1-page plane text Abstract. Authors of accepted presentations will be invited to send 4-6 pages PAPERS (extended abstract).

IMPORTANT DATES

March, 14, 2016	Pre-Registration and Submission of the 1-page Abstracts deadline
March, 28, 2016	Author Notification of Abstract Acceptance
March, 28, 2016	The Registration procedure is open
June, 5, 2016	Submission of the EXTENDED ABSTRACTS deadline
June, 26, 2016	Author notification of the papers (extended abstracts) acceptance
September, 2, 2016	The registration fee payment deadline
September, 27- 30, 2016	Conference sessions

Conference organizers consider as their pleasant duty to notice the approaching of 100th anniversary of the outstanding Ukrainian mathematician, Academician Yu. A. Mitropolsky, who contributed immensely to asymptotic methods of nonlinear dynamics.

Updated and extended information can be found on the site: <http://web.kpi.kharkov.ua/nd-khpi/>