

WELCOME

to the **5th INTERNATIONAL CONFERENCE**

"NONLINEAR DYNAMICS - 2016",

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



at the **NATIONAL TECHNICAL UNIVERSITY**

"KHARKOV POLYTECHNIC INSTITUTE"

KHARKOV, UKRAINE

Dear Colleagues,

The Organizing Committee of the 5th conference **ND-KhPI2016** is pleased to invite you to participate at the Conference to be held on **27 - 30 September, 2016**.

Organized by:



**National Technical
University "KhPI"**
(Kharkov,
UKRAINE)



**McGill
University**
(Montreal,
CANADA)



**Technion
Israel Institute of
Technology**
(Haifa, ISRAEL)



**Institute for Mechanical
Engineering Problems
NAS of Ukraine**
(Kharkov, UKRAINE)



**Institute of
Mechanics
NAS of Ukraine**
(Kiev, UKRAINE)

in partnership with the **National Committee of Ukraine on Theoretical and Applied Mechanics, NAS of Ukraine** (Kiev, UKRAINE)

The Conference Website is

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

The **SCIENTIFIC PROGRAM** will consist on keynote/ invited lectures, plenary lectures, sectional lectures and posters. The Organizing Committee is glad to inform you that more than 75 abstracts from Australia, Brazil, Canada, Germany, Israel, India, Iran, Italy, Poland, Russia, Serbia, Sweden, UK, Ukraine and USA were obtained for a presentation at the conference. These works cover different topics of nonlinear dynamics.



The Organizing Committee of the conference is glad to present **keynote/ invited lecturers** who will hold lectures at the conference:

MARCO AMABILI (Montreal, Canada)

IDENTIFICATION OF NONLINEAR DAMPING DAMPING FOR LARGE-AMPLITUDE VIBRATIONS OF PLATES AND CURVED PANELS

JOSE M. BALTHAZAR (Sao Paulo, Brasil)

NONLINEAR DYNAMIC INTERACTIONS AND PHENOMENA: VIBRATING SYSTEMS WITH LIMITED POWER SUPPLY: AN EMERGENT TOPIC AFTER PROF. KONONENKO'S

YURI KIVSHAR (Canberra, Australia)

LOCALIZED MODES IN NONLINEAR AND TOPOLOGICALLY NONTRIVIAL ARRAYS

LEONID I. MANEVITCH (Moscow, Russia)

SEMI-INVERSE METHOD IN NONLINEAR DYNAMICS

ALI H. NAYFEH (Blacksburg, USA)

MEMS MASS SENSORS

CHRISTOPHE PIERRE (Urbana – Champaign, USA)

NONLINEAR NORMAL MODE STRATEGIES FOR UNILATERAL CONTACT ROTOR-STATOR INTERACTIONS

GIUSEPPE REGA (Roma, Italy)

MODELING AND NONLINEAR DYNAMICS OF THIRD-ORDER THERMOMECHANICALLY COUPLED LAMINATED PLATES

POL SPANOS (Houston, USA)

POTENT METHODS FOR STOCHASTIC ANALYSIS OF NONLINEAR DISCRETE DYNAMIC SYSTEMS

ALEXANDER VAKAKIS (Urbana – Champaign, USA)

PASSIVE NONLINEAR TARGETED ENERGY TRANSFERS IN COUPLED MECHANICAL OSCILLATORS

PROCEEDINGS of the CONFERENCE

Authors of accepted presentations are invited to submit their PAPERS (EXTENDED ABSTRACTS), **up to 8 pages**, by June, 12, 2016. Papers will be refereed and published in the conference Proceedings. Instructions and template for the paper preparation are presented at the conference website.



REGISTRATION PROCEDURE and FEES

Participants of the conference will be asked to submit a REGISTRATION FORM and to pay a REGISTRATION FEE which is equal to **200 EURO** for participants and **50 EURO** for accompanying persons. A REGISTRATION FEE for web-presenters is equal to **50 EURO**. It will be possible to pay **equivalent sum in USD**.

The REGISTRATION FEE bank transfer deadline is September 2, 2016. Information on the conference account and transfer of the Registration fee will be presented to all participants nearest time.

All ND-KhPI2016 Conference participants will receive:

- ✓ Access to ALL sessions of the Conference;
- ✓ The book of Conference Proceedings;
- ✓ Welcome Reception;
- ✓ Complimentary Lunches and coffee-breaks;
- ✓ Social and cultural programs.

IMPORTANT DATES

June 12, 2016	Submission of the EXTENDED ABSTRACTS (papers) deadline
July 2, 2016	Author notification on the papers (extended abstracts) acceptance
September 2, 2016	The REGISTRATION FEE transfer deadline
September 27- 30, 2016	Conference sessions

VENUE

The conference will be held at the National Technical University "Kharkov Polytechnic Institute" ([NTU "KhPI"](#)), Kharkov, Ukraine.

ACCOMMODATION

Participants will be accommodated in Kharkov hotels. There are many nice hotels located near the conference venue with moderate prices (starting from 15 EURO per night in a hostel room up to 100 EURO in a 5 star apartments).

Some offers will be presented in the conference website later.

The Organizing Committee will be pleased to help You with accommodation.



TRAVEL

Kharkov is easily accessible by plane or by train.

The Kharkov city has an [international airport](#), which is connected with international airports of Kiev, Wiena and Istanbul with the regular flights.

Moreover it is easily accessible by direct bus or train from Kiev. (Kiev has two international airports: [Boryspil](#) and [Gulyany](#) connected with the main Europe airports). It takes 4.5 hours to travel by direct daily IC train (three times a day) and about 8 hours by night train from Kiev. The schedule of trains can be found on [Ukrzaliznytsia official site](#).

The meeting and accompaniment will be provided for international participants on request.

If you will need VISA to enter Ukraine the invitation letter will be sent on request. However, Citizens of the USA, Canada and the most of European countries require NO VISA to enter Ukraine ([details here](#))

ADDRESS of the LOCAL ORGANIZING COMMITTEE

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If you have any questions, please do not hesitate to contact the Organizing Committee by the email:

NDKhPI2016@gmail.com

or directly to

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**WE ARE LOOKING FORWARD TO SEE YOU IN
KHARKOV !**