



FEDERAL AGENCY OF  
SCIENTIFIC ORGANIZATIONS



## Institute of Machines Science

### *INVITE YOU*

from 17<sup>th</sup> till 23<sup>rd</sup> of May 2015 to take part in

#### **XVIII International Symposium "Dynamics of Vibroimpact (strong nonlinear) Systems" "DYVIS-2015"**

XVIII International Symposium is dedicated to Prof. Aron Kobrinskiy's 100th anniversary. Prof. Kobrinskiy was the founder of the Symposia on the dynamics of vibroimpact systems.

Symposium on the dynamics of vibroimpact (strong nonlinear) systems carried by Institute of Machines Science every three years. The first symposium was held in 1963. Symposium discusses the theoretical and practical problems in the field of vibro-technics and vibro-technologies. We are considering the problems of effective and useful applications of vibroimpact, strong nonlinear vibration processes and the tasks of vibro-protection.

The symposium is held in the following areas:

- Nonlinear dynamics of machines and technological processes (models and methods of analysis);
- Vibroimpact processes in the kinematic pairs of mechanisms and rotor system;
- Vibroimpact and strong nonlinear wave processes in distributed systems;
- Control of nonlinear processes in machines, including synthesis of dynamic structures and optimal design of machinery vibration and vibroimpact actions;
- The wave, vibration and ultrasonic technology and machines;
- Protection against vibration and impact;
- Chaotic motion in nonlinear systems of complex structure;
- The action of high frequency vibration on strong nonlinear systems and technical environment, including formation of nanostructures by vibration and vibro effects;
- Experimental methods for studying the nonlinear dynamics of machines;
- Related problems of nonlinear dynamics.

#### **II International School for Young Scientists "Nonlinear Dynamics of Machines" "SCHOOL-NDM-2015"**

The main purposes of the International School "Nonlinear dynamics of machines" are:

- Training and familiarization of young scientists, engineers and students with modern methods and the results of theoretical and experimental research in the field of nonlinear dynamical systems;
- The establishment of contacts between leading scientists and young researchers;
- Discussion and formulation the tasks;
- The exchange of the latest scientific information, the formation of motivation among young people doing science in the field of machine dynamics and their involvement in research activities;
- Establishing links between research organizations and industry.

Leading scientists from Russia (Moscow, St. Petersburg, Nizhny Novgorod, Kazan, Kurgan etc.) and foreign countries (Great Britain, Canada, Latvia, USA, Germany, Israel, and others.) will give their lectures.

### **Symposium Program Committee**

**Chairman** - Prof. **Vladimir Astashev**

**Vice-Chairman** - Prof. **Vitaliy Krupenin**

#### **Members:**

Prof. **Vladimir Babitskiy** (Great Britain)

Prof. **Ilya Blekhman** (St. Petersburg)

Prof. **Iosiph Wolfson** (St. Petersburg)

Prof. **Vladimir Erofeev** (Nizhny Novgorod)

Prof. **Mikhail Zakrzewski** (Latvia)

Member of RAS, Prof. **Dmitriy Indeytsev** (St.

Petersburg)

Prof. **Polina Landa** (Moscow)

Prof. **Efim Shneerson** (St. Peterburg)

#### **Secretariat:**

**Elena Semenova,**

**Dr. Georgiy Korendyasev**

#### **Contacts**

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[info@dyvis.ru](mailto:info@dyvis.ru)

+7 495 625 9770

### **School for Young Scientists Program Committee**

**Chairman** - Prog. **Grigoriy Panovko**

**Vice-Chairman** - Dr. **Alexander Shokhin**

#### **Members:**

Prof. **Alexander Belyaev** (St. Peterburg)

Prof. **Yanis Viba** (Latvia)

Prof. **Victor Glazunov** (Moscow)

Member of RAS, Prof. **Evgeniy Lomakin** (Moscow)

Prof. **Sergey Misurin** (Moscow)

Prof. **Georgiy Nerubenko** (Canada)

Prof. **Alexander Polilov** (Moscow)

#### **Secretariat:**

**Dr. Konstantin Salamandra,**

**Dr. Nikolay Tatus**

#### **Contacts**

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Official languages - Russian and English.

Text of articles in English or Russian languages shall be in accordance with the template. The volume should not exceed 8 pages. All submissions will reviewed. Printed version of the proceedings will assigned an ISBN. The electronic version of the book will be included in the Russian Science Citation Index and posted on the websites [www.elibrary.ru](http://www.elibrary.ru) and [www.dyvis.ru](http://www.dyvis.ru).

Symposium and School for Young Scientists will held in the Bekasovo SPA-hotel.

#### **Registration Fee:**

- 10000 rubles – for young scientists (up to 35 years, scientists with doctors degree - up to 40 years).
- 10000 rubles – for other categories of participants (12500 rubles if paid after December 31, 2014).
- 7500 rubles – for accompanying persons.

The registration fee includes group transfer from IMASH of RAS (Moscow, M. Kharitonievsky per., 4) to Bekasovo and back, meeting package, friendly banquet, coffee breaks, sightseeing, scientific and cultural events.

- 3000 rubles – extramural participation (includes only article publication in the symposium proceedings in case of positive review of the organizing committee, the book will be sent by mail).

#### **Deadlines**

**December 31, 2014** – final date for payment the registration fee (10000 rubles)

**March 10, 2015** – last chance to register for participation in the Symposium and School

**March 10, 2015** – final reception the articles for publication in the proceedings

**March 15, 2015** – final date for payment the registration fee and accommodation

#### **Accommodation**

The possible accommodation in the Bekasovo SPA-hotel are single double and triple rooms of different comfort levels. Rooms equipped with TV, telephone, internet point (extra charge). Choose and pay the appropriate accommodation possible after completing the registration form on [www.dyvis.ru](http://www.dyvis.ru).

**Please Note: The number of places are limited.**

#### **Registration**

The registration form you can find on [www.dyvis.ru](http://www.dyvis.ru) and [www.school.dyvis.ru](http://www.school.dyvis.ru).