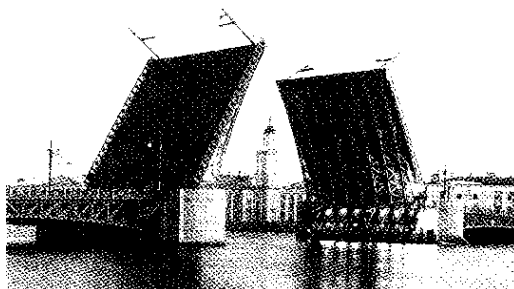


**Ministry of Education and Science of the Russian Federation
Russian Academy of Sciences
Russian National Committee of Theoretical and Applied Mechanics
Russian Foundation for Fundamental Research
Academy of Nonlinear Sciences
Russian Academy of Missile and Artillery Sciences**

**International Conference
On Mechanics and Ballistics
“7th Okunev Readings”
20-24th of June 2011
St. Petersburg, Russia**



**Международная конференция
по механике и баллистике
«VII Окуневские чтения»
20-24 июня 2011
Санкт-Петербург, Россия**

Information letter

History of the conference, general information

The first Okunev Readings were organized by the Department of Theoretical Mechanics and Ballistics of the Baltic State Technical University "VOENMEH" and were held with the assistance of some Russia's scientific and industrial organizations and higher educational institutions in December, 1997, to celebrate a centenary of the birth of the famous Russian specialist in mechanics and ballistics B.N. Okunev.

Taking into account a great interest in the conference shown by Russian and foreign scientific societies the Organizing Committee has decided to hold the conference regularly. It was decided to keep its title 'Okunev Readings', to transform the conference into international one and to essentially extend its subject. The latter was going to be done due to including into the program the questions of teaching and especially new educational techniques. It was also considered to be necessary to organize scientific activities with the elements of scientific school for the youth and to celebrate the most important events and memorable dates in the history of mechanics as well.

Participation in the conference of specialists representing different areas of mechanics will promote its development and will make it possible to estimate a contemporary state of fundamental research in the field of mechanics and its applications, to provide scientific exchange and coordination of the work that is done in the higher educational institutions, institutes of RAS and industry, and to upgrade qualification of young teachers and scientists, postgraduates and students for whom favorable conditions of participation in the conference are established. It is noted that proceedings of the previous conferences (I-VI) are often cited when defending doctoral and Ph.D. theses, as well as in scientific publications.

A mini-symposium "Scientific school of I.P. Ginzburg and actual problems of modern flight mechanics and applied fluid dynamics", which is dedicated to the 100th anniversary of the birth of the Professor I.P. Ginzburg, the well-known specialist in mechanics and organizer of this science, will be held as part of the conference.

Organizers of the conference

Scientific-methodological Council on theoretical mechanics of the Ministry of Education and Science of the Russian Federation, Scientific Council on the problem of thermal conditions of the Russian Academy of Sciences, Baltic State Technical University "VOENMEH" named by D.F. Ustinov, St. Petersburg State University, Tomsk State University, Moscow University Institute of Mechanics, Central Scientific Research Institute for Machine Building, Russian Federal Nuclear Centre - All-Russian Research Institute of Technical Physics, Russian Federal Nuclear Center - The All-Russian Research Institute of Experimental Physics, Arsenal Design Bureau named after Mikhail Vasil'evich Frunze Federal State Unitary Enterprise, FSE "Nizhny Tagil Institute of Metal Testing", Special Engineering Design Bureau, Special Materials Ltd, Baltic scientific-innovation centre, Military-Historical Museum of Artillery, Engineer and Signal Corps.

Scientific Committee

O.M. Alifanov, V.V. Beletsky, G.G.Chernyi, V.M. Fomin, S.S. Grigorian, K.M.Ivanov, D.Ya.Khusainov, K.S. Kolesnikov, A.M. Kovalev, G.A. Leonov, V.A. Levin, A.M. Lipanov, Yu.G. Martynenko, G.M. Mikhailov, N.F. Morozov, Yu.M. Okunev, B.I. Poletaev, Yu.V. Polezhaev, V.A. Sadovnichiy, Yu.P.Saveliev, M.V.Sil'nikov, V.A. Yaroshevsky.

Co-chairmen of the Conference

K.S. Kolesnikov, Yu.G. Martynenko, N.F. Morozov.

Co-chairmen of the symposium

Yu.P.Saveliev, A.S. Shalygin

Program Committee

G.T. Aldoshin – chairman (Russia), A.V.Aliev (Russia), I.G.Assovsky (Russia), J. Awrejcewicz (Poland), A.E. Babaev (Ukraine), V.A.Borodavkin (Russia), L.V.Dokuchaev (Russia), V.N.Emel'yanov (Russia) – deputy chairman (Russia), A.M. Grishin (Russia), V.A.Khotulev (Russia), I.V.Kurova - scientific secretary (Russia), L.N. Lysenko (Russia), S.K.Matveev (Russia), D.Yu. Pogorelov (Russia), V.A. Samsonov (Russia), S.B. Shil'ko (Belarus), S.A. Tolchel'nikova (Russia), O.A.Tolpegin (Russia), P.E. Tovstik (Russia), A.M.Vorobjev (Russia), H.M. Yehia (Egypt), Yu.V.Zagashvili (Russia).

Main topics of the Conference

Section 1. Theoretical and applied mechanics

- Dynamics of solids and systems of connected bodies
- Vibration and waves, impact, chaos, catastrophe theory
- Adjoint problems in mechanics
- Inverse problems in mechanics.
- Hydroelasticity
- History of mechanics.

Section 2. Ballistics.

- External ballistics and aerodynamics of rockets and shells
- Ballistics of start and rocket-barreled systems
- Ballistics of space object and aerothermoballistics
- Impact and protection.

Section 3. Computer and education technologies in mechanics and ballistics.

Four forms of the report presentation at the conference are prescribed: plenary reports (30-40 min), section reports (15-20 min), brief reports (5-10 min), poster presentation. Working language of the conference are Russian and English. Simultaneous translation is not provided. A participant of the conference can be a contact author of one report only and a coauthor of a few other reports. Problem reports on perspective trends in modern mechanics, ballistics, and information science will be presented by the leading scientists invited.

Registration fee

Registration fee including the cost of leasing of premises, transport, office appliances, typographical expenses for publication of abstracts and conference program, and post expenses are 200 EUR for foreign participants and 100 EUR for attendants, respectively. Please pay for account:

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St.Petersburg, Russia.

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MILIMEC FOUNDATION FOR EDUCATION, SCIENCE AND TECHNIQUES SUPPORT

1, 1-st Krasnoarmeyskaya Str. 190005, St.Petersburg, Russia

The purpose of payment is a registration fee of <full name>, a participant of the VII Okunev Readings. Remittance orders without a full name of the participant are not accepted. It is necessary to send a copy of the remittance order to the Organizing Committee by e-mail.

Application for participation

The program of the conference will include reports that are of scientific interest and contain new results. Applications for participation in the conference with a supposed subject of the report should be delivered before January, 31, 2011. The authors will be informed about the acceptance of their papers by February, 15, 2011. Abstracts of papers should be delivered before April, 20, 2011. Applications for participation and abstracts should be sent by e-mail to the following address: okunev.voennemh@gmail.com.

By the beginning of the conference a CD with abstracts of the reports will be produced. After the conference the publishing of proceedings is being planned.

Requirements to the formatting of abstracts

The text of abstracts shouldn't be longer than two pages at the A4 sheet (210x297). The body-type is Times New Roman 12pt, margins are 20 mm, interline interval is one and a half, paragraph indentation is 1.25 cm; text should be justified. References to tables, figures, and literature are necessary. Bibliography cited is to be listed according to the alphabetical order.

Formatting of abstracts:

1st line is the title of the report – on the line center in capital letters by Roman face, Times New Roman, 12 pt.

2nd line includes surnames and initials of the authors, on the line center in lower case by upright type, Times New Roman, 12 pt.

3rd line includes the name of organization and city (town), comma separated, in lower case by upright type, Times New Roman, 12 pt.

4th line is a contact e-mail address, in lower case by upright type, Times New Roman, 12 pt.

5th line is empty.

6th line is the beginning of the abstract indented.

Cultural programme

During the conference its participants and guests will take a sightseeing program including visiting museums, theatres, and other sightseeings of Saint Petersburg .

Address of the Organizing Committee:

190005, St-Petersburg, 1st Krasnoarmeyskaja, 1, BSTU, Department M7, Organizing Committee of “VII Okunev Readings”, E-mail okunev.voenmeh@gmail.com; FAX (812) 317-87-44; telephone (812) 495-77-63, , (812) 495-77-21. Chairman of the Organizing Committee Aldoshin Gennady Tikhonovich, scientific secretary Kurova IrinaVladimirovna.

For information in detail and documents needed in the conference see

www.okunev.voenmeh.ru