

Colloquium EUROMECH 531

VORTICES AND WAVES: IDENTIFICATIONS AND MUTUAL INFLUENCES

Moscow
June 21 - 24, 2011

Colloquium venue:
Faculty of Mechanics and Mathematics
Lomonosov Moscow State University
MSU, GSP-1, Glavnoe Zdanie, Leninskiye Gory,
Moscow, 119991



The main building of Moscow State University

CALL FOR PAPERS

ANNOUNCEMENT

The colloquium program includes invited Plenary lectures and Oral presentations.

CALL FOR PAPERS

Colloquium language is English.
Authors submit in electronic form the following:
- **Completed Registration form;**
- **Abstract** (not more than 3 pages prepared in MS WORD, framed by 16×24 cm and spaced by 12 pt), Following the example on the colloquium website

KEY DATES

Submission of the registration form and abstracts: **April 15, 2011**

Notification to authors: **April 30, 2011.**

REGISTRATION FEE

The participation in the colloquium is limited by EUROMECH orders (<http://www.euromech.org/>) and is allowed only for full EUROMECH members. Registration fee is **€300** for EUROMECH members. Non-members are requested to present filled EUROMECH registration form and pay additional **€30** (annual fee + transfer expenses). Fees for students and postgraduates are cancelled. Fee is paid in cash or by bank transfer (payment details are on the colloquium website).

HOUSING INFORMATION

ACCOMMODATION of participants at the town hotels of their choice <http://rossija.hotels.com> <http://hotels.avelonbeta.ru/moscowhotels2.php>, Hotel "Universitetskaya" or in University hostel (number of beds is limited).

REGISTRATION

Registration will take place in the main building of of M.V. Lomonosov Moscow State University on **June 20, 2011 from 10 to 18 hours**

SCIENTIFIC PROGRAM

- **Models of vortex and wave flows;**
- **The formation and evolution of vortices in homogeneous, stratified and/or rotating fluids;**
- **Formation of complex vortex flows, the extent of interaction in the vortex dynamics;**
- **Interaction of vortices with the gravitational, inertial, internal or acoustic waves;**
- **The formation of vortices by interacting waves;**
- **Fine structure of waves and vortices;**
- **Substance transfer in waves and vortices.**

YOUTH INTERNATIONAL Workshop "Vortices and Waves"

will be held from June 25 to July 1, 2011.



IPMech RAS building

In the **A.Yu. Ishlinskii Institute for Problems in Mechanics of the Russian Academy of Sciences**

TRAVEL

Metro station "Yugo-Zapadnaya" (the last car from the center), then 5 minutes around the building of Gazprom or one stop on bus 688 or trolleybus 34 (stop "MIREA").

**INTERNATIONAL PROGRAM
COMMITTEE of the
YOUTH INTERNATIONAL
Workshop "Vortices and Waves"**

Corr.-m. RAS S.V. Alekseenko, Prof.
Yu.D. Chashechkin (vice-chairman), Acad.
G.G. Chernyi, Prof. V.N. Chubarikov (vice-
chairman), Prof. M.V. Fokin, Prof.
D.V. Georgievsky, Prof. V.P. Karlikov, Prof.
L.N. Karlin, Acad. V.A. Levin, Prof.
S.V. Nesterov, Acad. R.I. Nigmatulin, Acad.
V.A. Sadovnichy (Chair), Prof.
V.N. Zyryanov.



COLLOQUIUM CONTACTS

Yuli D. Chashechkin
IPMech RAS
101/1 prospect Vernadkogo, Moscow,
Russian Federation, 119526
Fax: +7(499)739-9531
Phone: +7(495)434-0192
E-mail: chakin@ipmnet.ru,
yulidch@gmail.com

Colloquium sites in **IPMech**
lfm-ipm.ipmnet.ru
and **MSU**
www.msu.ru

GENERAL INFORMATION

M.V. Lomonosov Moscow State University, the oldest educational institution in Russia, founded on January 25, 1765. Since the opening the educational program consisted of separate courses in mathematics and mechanics. Gradually formed departments for developing branches of science, and at the beginning of XX century the efforts of the P.L. Chebyshev, N.E. Zhukovsky, S.A. Chaplygin, A.I. Nekrasov resulted in centre for research in theoretical mechanics, hydro- and aerodynamics, differential geometry and asymptotic calculations.

Systematic development of Mechanics and Mathematics Faculty has began after the Civil wars. Currently the Faculty brings together 24 departments (9 – at the Department of Mechanics) and 14 research laboratories. It consists of about 350 professors, associate professors, assistants and researchers. A large number of leading Russian scientists are working in combination. About 2000 students and 450 graduate students are trained at the faculty.

In departments of the faculty and research institutions basic and applied research are actively developed in close contact with Institutions of the Russian Academy of Sciences and other research centers. Scientific and technical ties with academic institutions around the world are successfully developed. The breadth and thoroughness of the university education enables graduate students to freely navigate in all areas of modern science, to work successfully in all spheres of human activity.

TRAVEL

Metro station "University", then 10 minutes on foot by the territory of Moscow State University or one stop bus 30, trolleybus 34 (street Lebedeva) or two stops bus 661, 119 (main building of Moscow State University).



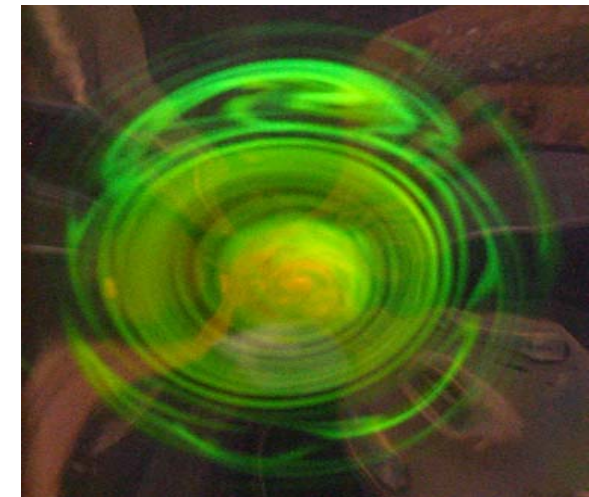
COLLOQUIUM ORGANIZERS

The Institution of the Russian Academy of Sciences A.Yu. Ishlinskii Institute for Problems in Mechanics of the RAS

and
Faculty of Mechanics and Mathematics of the M.V. Lomonosov Moscow State University

**Chair of the Colloquium
Professor Yuli D. Chashechkin**

**Co-Chairs:
Academician F.L. Chernous'ko,
Professor X. Carton**



COLLOQUIUM SPONSORS

European Mechanics Society
(EUROMECH);
The Russian Academy of Sciences;
The Ministry of Education and Science of
the Russian Federation;
Russian National Committee on Theoretical
and Applied Mechanics;
Russian Foundation for Basic Research.