

FIRST INFORMATION LETTER

## **XXV All-Russian Seminar with International Participation on Jet, Separated and Non-Steady Flows**

**September 10-14, 2018**

**Saint Petersburg, Russia**



*Baltic State Technical University "VOENMEH"*

*Khristianovich Institute of Theoretical and Applied Mechanics,  
Siberian Branch of Russian Academy of Sciences*

*Saint Petersburg State University*

**Dear colleagues!**

The All-Russian Seminar on Jet, Separated and Non-Steady Flows exists more than 50 years. It was found by Prof. Isaak P. Ginzburg (1910-1979), prominent professor of Leningrad State University and Baltic State Technical University (former Leningrad Mechanical Institute). Staff members of universities and other educational institutions, engineering bureaus, scientific and industrial organizations that are involved in basic and applied problems of fluid and plasma mechanics traditionally take part in our meetings. The XXV All-Russian (with international participation) seminar will be held in St. Petersburg in September 10-14, 2018.

We intend to discuss new results of the theoretical, numerical and experimental research of liquid, gas and plasma flows, as well as their applications to aviation and space engineering, security and safety problems, as well as other fields of human activity.

### **Technical Scope**

The main areas of interest of our seminar are:

1. Steady jet and wake flows
2. Separated flows and problems of aerodynamics
3. Non-steady flows, aeroacoustics and hydro acoustics
4. Nozzle and channel flows, internal ballistics
5. Shock and blast waves, interaction of discontinuities in gas dynamics
6. Two-phase and multiphase flows
7. Non-equilibrium flows and processes, combustion and detonation
8. Rarefied gas dynamics
9. Jet technologies, ecological problems, problems of security and safety
10. Computational aspects of fluid mechanics and plasma dynamics

The working languages of the seminar are Russian and English.

The book of collected abstracts will be published prior to the seminar opening ceremony. We plan also to publish the selected proceedings of the seminar after its closing. We also will recommend some selected papers for publication in the following Russian scientific journals: "Proceedings of the Russian Academy of Rocket and Artillery Science", "Problems of Technosphere Risk Management", and "Problems of Military Engineering. Series 16, and also in English in "Acta Astronautica" journal (category "Space Physical Science"), that can be found at the first quartile of the most influential and highly cited journals according to SCOPUS and Web of Science.

### **Sponsors of the Seminar**

- Baltic State Technical University "VOENMEH" named after D.F. Ustinov
- Khristianovich Institute of Theoretical and Applied Mechanics, Siberian Branch of Russian Academy of Sciences
- Saint Petersburg State University
- The Ministry of Education and Science of the Russian Federation
- Russian Foundation for Basic Research (RFBR)

## Conference Venue

The Seminar will be held primarily at Baltic State Technical University “VOENMEH” named after D.F. Ustinov, which is situated at the historical center of St. Petersburg. Some sessions will be organized at other conference facilities of St. Petersburg. Accommodation for our participants in hotels of St. Petersburg can be ordered through the Organizing Committee or selected independently.

## Organizing Committee

**Co-chairs:** V.N. Emelyanov, M.V. Chernyshov (St. Petersburg, Russia), V.I. Zapryagaev (Novosibirsk, Russia)

**Organizing Committee Members:** G.A. Akimov, V.A. Babuk, A.S. Boreysho, P.V. Bulat, K.M. Ivanov, N.I. Ivanov, I.V. Krassovskaya, E.V. Kustova, B.E. Kert, V.M. Mal’kov, S.A. Matveev, S.K. Matveev, acad. RAS N.F. Morozov, T.V. Musienko, E.V. Nagnibeda, corr. memb. RAS Yu.V. Petrov, V.I. Pogorelov, S.A. Poniaev, Yu.P. Savelyev, corr. memb. RAS M.V. Silnikov, E.M. Smirnov, E.I. Sokolov, M.Kh. Strelets, Yu.M. Tsirkunov (St. Petersburg), V.M. Boyko, acad. RAS V.M. Fomin, V.F. Kosarev, V.A. Lebiga, corr. memb. RAS D.M. Markovich, A.A. Maslov, acad. RAS A.K. Rebrov, corr. memb. RAS A.N. Shiplyuk, V.I. Terekhov, V.N. Yarygin (Novosibirsk), L.G. Gvozdeva, V.V. Golub, I.E. Ivanov, S.P. Medvedev, Yu.N. Nesterov, N.N. Smirnov (Moscow, Russia), acad. RAS A.M. Lipanov (Izhevsk, Russia), S.A. Isaev (Kazan, Russia), A.L. Adrianov (Krasnoyarsk, Russia), A.A. Kotosov (Penza, Russia), V.A. Arkhipov, A.A. Glazunov, I.K. Zharova, G.V. Kuznetsov (Tomsk, Russia), A.L. Stasenko (Zhukovsky, Russia), G. Ben-Dor, O. Igra (Beer Sheva, Israel), K. Takayama (Sendai, Japan), K.N. Volkov (London, UK), V.D. Zakhmatov (Kiev, Ukraine).

**Secretariat:** N.A. Brykov (chair), A.S. Kapralova (vice-chair), L.A. Abramov, K.A. Afanasyev, A.S. Balenko, A.S. Belyaeva, A.P. Bogdanova, Yu.G. Khazova, A.A. Lubyanchenko, O.V. Rubtsov, K.O. Tischenko (St. Petersburg)

## Conference Fee

The conference fee is 200 Euros. Discounted conference fee is equal to 3000 rubles for Russian and ex-USSR participants and 1000 rubles for students and Ph.D. students. The conference fee includes editing and printing the conference program and abstracts, as well as coffee-breaks. Bank account for transfer will be indicated in our Second Information Letter, which will be issued in February, 2018.

## Contacts

**Post address:** Organizing Committee of the Twenty-Fifth Seminar of Jet, Separated and Non-Steady Flows, department A9, Baltic State Technical University “VOENMECH”, 1 Pervaya Krasnoarmeyskaya Str., 190005 St. Petersburg Russia

**E-Mail:** [mvcher@mail.ru](mailto:mvcher@mail.ru) (Mikhail Chernyshov), [kapralovaa@yahoo.com](mailto:kapralovaa@yahoo.com) (Anna Kapralova).

**Phone:** +7 (812) 495-77-63 (office), +7 (921) 862-91-95 (cell, Mikhail Chernyshov)

**Fax** (812) 495-77-63, (812) 316-24-09

**Web-site:** <http://www.voenmeh.ru/science/conferences/gasjets-en>

## Registration and Abstract Submission

The preliminary registration form is attached to the information letter. It could be submitted together with your abstracts online through our web-site <http://www.voenmeh.ru/science/conferences/gasjets-en>. You can also send both your abstracts and the registration form via e-mail to: [mvcher@mail.ru](mailto:mvcher@mail.ru) or [kapralovaa@yahoo.com](mailto:kapralovaa@yahoo.com)

## Abstract Guidelines

Your abstracts should be a Microsoft Word text, up to 2 A4 pages, with margins equal to 25 mm, Times New Roman type, 12 pt size.

## Important Dates

Please register preliminarily before March 21, 2018. Your abstracts should be received no later than April 15, 2018. Our decision to include your abstracts into program of the seminar will be issued before May 15, 2018. Further information will be contained in the Second Information Letter, which will be issued in February, 2018, as well as in the Third Information Letter, which will be sent after May 15, 2018 to the registered participants. Please check the actual information at our web-site <http://www.voenmeh.ru/science/conferences/gasjets-en>.