



**The International Conference “*Modern Problems of Mathematics, Informatics, and Bioinformatics,*”
dedicated to the 100th anniversary of the
Corresponding Member of the Academy of
Sciences of the USSR Alexey Andreevich
Lyapunov**

Novosibirsk, Russia, October 11–14, 2011

<http://conf.nsc.ru/Lyap-100/>

First informational letter

On October 8, 2011, we are celebrating the 100th anniversary of the Corresponding Member of the Academy of Sciences of the USSR Alexey Andreevich Lyapunov (1911–1973). He was the forefather of Russian cybernetics, the founder of the Moscow and Siberian research schools of cybernetics and theoretical programming, and one of the founders of the Novosibirsk State University and the Physicomathematical Secondary School associated with the University.

He was a person of unique significance in Russian cybernetics. In 1996, he was posthumously awarded the most honored prize of the global *Computer Society*, the *Computer Pioneer* medal as the developer of the operator programming method and founder of Soviet cybernetics and programming. The scope of Lyapunov's scientific interests covered numerous problems of modern mathematics, informatics, biology, Earth science, philosophy, and education.

In order to commemorate the outstanding Russian scientist and citizen, the Novosibirsk State University, Institute of Cytology and Genetics, Sobolev Institute of Mathematics, Institute of Computational Technologies, Institute of Computational Mathematics and Mathematical Geophysics, Ershov Institute of Informatics Systems, and Institute of Pedagogical Studies of Gifted Children hold the international conference dedicated to Alexey Lyapunov's centenary.

The scientific program of the Conference includes the following items:

- Alexey Andreevich Lyapunov as the founder of Soviet cybernetics and programming.
- Set theory, theory of functions, and convex analysis.
- General problems of cybernetics.
- Theoretical and system programming.
- Informatics and information systems.
- Information and theoretical biology.
- Bioinformatics.
- High-performance computing and systems.
- Mathematical modeling in life science.
- Cybernetic problems in biology.
- Alexey Andreevich Lyapunov, educational problems, and popular science.

Registration:

You are invited to be registered and submit your abstracts in Russian or English at <http://conf.nsc.ru/Lyap-100/> before June 20, 2011.

Working languages: Russian and English

Deadlines

- Registration of participants, filling of report forms, and abstract submission June 20, 2011.
- Notification of report acceptance June 25

- Invitation to the Conference
- Confirmation of the coming
- Arrival
- Departure

July 15
September 15
October 10
October 15

Publication of the proceedings

The conference proceedings will be published in the form of the annotated program supplemented with a CD record of whole texts of the reports and presentations. The proceedings will be registered as an electronic publication.

Selected reports will be published in *Vestnik NGU: informatsionnye tekhnologii*

Contacts

Web page: <http://conf.nsc.ru/Lyap-100/>

E-mail: lyap-100@sbras.ru

Chairman of the Organizing Committee: A. M. Fedotov fedotov@sbras.ru, +7 (383) 363-40-03.

Secretaries:

Svetlana V. Zubova, zub@bionet.nsc.ru, +7(383) 363-49-22 (1351).

Galina N. Kiseleva, kiseleva@bionet.nsc.ru, +7(383) 363-49-87(1338).

Irina A. Kraineva, cora@iis.nsk.su, +7(383) 330-73-52.

Yury I. Molorodov, yumo@ict.nsc.ru, +7(383) 334-91-22.

Elena E. Chepurnova, chepurnova@list.ru, +7(383) 363-40-67.

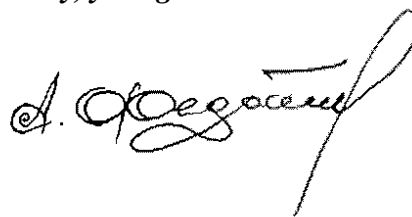
Sponsoring proposals

The Organizing Committee encourages everyone to participate in Conference funding. It offers special advertising opportunities for sponsors: ads at the Web site of the Conference, in the conference room, in the proceedings, outdoors advertising, in mass media, video advertising, room for exhibitions, sponsor's presentation, etc.

If you consider being a sponsor of our Conference, please contact us for details by e-mail: lyap-100@sbras.ru.

On behalf of the Organizing Committee, I invite you to participate in our Conference and to draw to it the attention of your colleagues, particularly, young ones.

Chairman of the Organizing Committee,
Corresponding Member of the Russian Academy
of Sciences



A. M. Fedotov