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**7TH INTERNATIONAL CONFERENCE  
"STABILITY, CONTROL AND RIGID BODIES DYNAMICS"  
(September 7-9, 1999, Donetsk, Ukraine)**

**B.I. Konosevich**

Secretary of the Organizing Committee

This Conference continues a tradition of International Conferences on problems of stability, control and analytical mechanics, which are regularly holding in Donetsk beginning from 1968. The given Conference was timed to the 75th year from birth of professor P.V. Kharlamov. Professor P. V. Kharlamov is the correspondent member of the Ukrainian National Academy of Sciences and the founder of the Donetsk school of analytical mechanics. The Conference was organized by the Institute of Applied Mathematics and Mechanics of National Academy of Sciences of Ukraine together with Donetsk State University.

The Chairman of the Organizing Committee was professor A.M. Kovalev and the Chairman of the International Scientific Committee was professor P.V. Kharlamov.

It was submitted 108 papers from 11 countries to the Conference. Actually it was listened 4 plenary lectures and 68 presentations in 3 sections.

There were presented such scientific centres of Ukraine as Kiev, Donetsk, Kharkov, Odessa, Dnepropetrovsk. Among Russian cities Moscow and Taganrog had the most presentation. Also there were scientists from Bolivia, Iran, Mexico.

The following papers were listened and discussed at Plenary Sessions:

1. P.V. Kharlamov (Donetsk), *Galileo as the founder of modern mechanics.*
2. V.M. Matrosov and I.A. Finogenko (Moscow), *Analytical dynamics of solid bodies systems with friction.*
3. V.V. Beletsky (Moscow), *Applied problems of dynamical billiards.*
4. D.V. Lebedev and A.I. Tkachenko (Kiev), *Magnetic system of stabilization and navigation of the microspatnik.*

The main scientific topics of the section sessions were:

1. Dynamics of rigid body and rigid bodies systems.
2. Stability and Control in dynamical systems.
3. Methods of rigid body dynamics in the theory of elasticity and the adjacent problems.

The most number of communications was done in the 2nd section.

All participants showed a great interest to the Round Table Discussion "Dynamics of rigid body: past, present, future", which was held during the Conference. The 8th International Conference "Stability Control and Rigid Bodies Dynamics" is planning to be held in Donetsk in 3 years, in 2002.