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XX SEMENOV'S READINGS

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The meeting "XX Semenov's Readings" was held on May 7, 2008 at the Institute of Problems of Chemical Physics (IPCP) Russian Academy of Sciences (RAS) in Chernogolovka-town, Noginsk district, Moscow region.

The meeting was organized by RAS and United Institute of Chemical Physics (UICP). Institute of Chemical Physics (ICP), Institute of Biochemical Physics (IBCP), IPCP and Photochemistry Research Center are included in UICP.

Prof. Nikolai Nikolaevich Semenov (1896-1986) was the founder and director of ICP of the Academy of Sciences of the USSR in the period of 1931-1986. He was a winner of the Noble Prize (together with sir Cyril Hinshelwood, University of Oxford, UK) in 1956 for creation of the theory and practical application of branching chain reactions.

About 150 scientists from 30 research centers from CIS countries took part in this meeting. The program included 5 reports.

Prof. S.M. Aldoshdin (Chairman of Council of UICP and Director of IPCP) as well as prof. A.E. Shilov (Chairman of Council of Semenov's heritage) took part

in the Opening ceremony. They spoke about Semenov's ideas effect on the development of chemical and biochemical physics today.

Prof. V.F. Razumov (IPCP) presented his report about the progress in the field of organic photovoltaics and prof. O.M. Sarkisov (ICP) spoke about the super fast reactions (phemtochemistry and phemtobiology).

Application of quantum chemistry for calculation of the reactivity of stressed polymers has been discussed in the report of prof. A.A.Popov (IBCP).

The report of prof. V.B. Mentsev was devoted to the problems of conversion of chemical energy to erlectromagnetic energy.

The data about energetical polymer systems (today and in perspective) has been presented in the report of prof. Yu. M. Mikhailov (IPCP).

The meeting "XX Semenov's Readings" showed that the ideas which were created by N.N. Semenov are being successfully developed by his pupils and followers in Russia and all over the world.

The next XXI Semenov's Reading will be held in ICP in April 2009.