BIOGRAPHY

Alexei L. Semenov

Prof. Alexei L Semenov, born 13.10.50

Doctor of Sci. (math) 1985, Steklov Institute of Russian Acad. Sci.

Candidate of Sci. (math) 1975, Moscow State Univ.

Alexei L. Semenov is the **Rector of Moscow Institute of Open Education** for the last 13 years. The major mission of the Institute is professional development, upgrading and in-service training of 200 000 employees of the educational system of the City of Moscow (10 mln. population).

Prof. Alexei L. Semenov is a prominent mathematician and computer scientist. He has a position at the Department of Mathematical Logic and Theory of Algorithms at **Moscow State University**, leads the Kolmogorov seminar on complexity there for 25 years. Recently he was awarded the prestigious Kolmogorov Prize by the Russian Academy of Sciences.

His involvement in ICT in education as well as in general educational reform started in 1985 when he organized an ambitious and influential "Shkola" Project of the Soviet Academy of Sciences and contributed to the introduction of the computer science and technology course in all high schools of the USSR. He was the organizer and member of the team that had written the text-book on this subject published in 2.5 mln. copies. For the last 20 years he leads a group that develops curriculum, learning and teaching materials on "mathematics of informatics" in primary school. These materials are used today in hundreds of schools in Russia.

He is the founder of the Institute of New Technologies in Education – the organization of an outstanding international reputation in developing and implementing of innovative approaches in secondary education. For his achievements in design and implementation of ICT-based educational system he was awarded the Prize of the President of Russian Federation.

In the years 2001 – 2004 Prof Semenov played the key role in the development of the federal standards on mathematical education for primary, secondary, and high school.

International activities:

Prof. Semenov made an outstanding contribution to exchange of educational expertise and experience between the former communist countries and the rest of the world. He served as the organizer of East-West seminars in Moscow – S. Petersburg, Prague, Budapest in 1990-s. The seminars brought together educational technology leaders from Eastern and Western countries to share knowledge and develop collaborative projects in ICT and education.

Prof. Semenov has worked extensively with UNESCO in the field of education for more then 15 years. He was a plenary speaker at Second UNESCO World Congress on Informatics and Education held in Moscow, Russia in 1996, member of the authoring team of *Information and Communication Technologies in Teacher Education: A Planning Guide,* published by UNESCO in 2002, the author of *ICT in Schools. A Handbook for Teachers or How ICT Can Create New, Open Learning Environments* published by UNESCO in 2005 and other UNESCO Publications and working documents.

He was a key speaker at Workshop "Narrowing the gap between the information rich and the information poor: new technologies and the future of education" at 46th International Conference on Education (ICE) in Geneva 2001. In 2005 he was the major organizer of the successful presentation of Russia at the X International Congress on Mathematical Education.

He serves at the editorial boards of «Journal of Technology and Teacher Education», "International Journal of Computer for Mathematical Learning", various international committees and working groups.