Report on the stay in Nizhny Novgorod October 3-7, 2011

The purpose of my visit to Nizhny Novgorod was the participance in the 2nd International BioN Conference and School “Towards neuromorphic intelligence: experiments, models and technologies”.
The school was divided into three main sections, each of them focused on one of the most exciting fields of modern neuroscience research: developing models, methods and technologies to create neuromorphic systems. Creation of neuromorphic systems would require the use of convergent technologies and interdisciplinary scientific approach based on the advances of various fields of science spanning from molecular neurobiology to novel engineering solutions in robotics

One of the most interesting and important points of the School was lections about the improvement of practical skills of modern scientist. The present-day good scientists have to be able to present themselves at the interview, clearly present their research at any meeting among any auditory, and of course to write efficient grant applications. All these aspects were reflected at this training course which included two lections.

The School lasted for five days (October, 3-7), with lections and practical trainings each day, and also poster sessions for two days. Participants had an opportunity to communicate to each other and to lectors, to discuss the topical problems of modern neuroscience.
I gained new theoretical and practical knowledge in neuromorphic mathematical models of neuronal networks and system organization, mechanisms of intracellular signalling and interactions between individual cells in the neuronal networks.

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