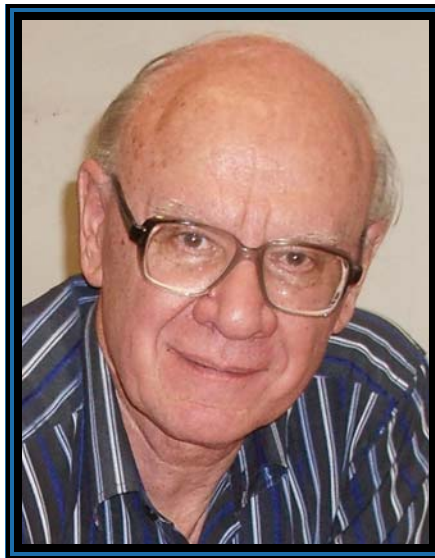# OBITUARY

PROFESSOR ALEXANDER A. FROLOV
PASSED AWAY

Professor Ing. Alexander Aleksejevitch Frolov, DrSc. (Doctor of Biological Sciences) Member of editorial board of Neural Network World journal, sadly passed away because of cancer, aged almost 77, on Jun 11, 2020.

This is very sad news for everyone who was lucky enough to know him for many years. In our memory, he remained as an outstanding scientist with extremely attractive human qualities.

Alexander Frolov was one of the authors who stand at the birth of NNW journal. He started his long standing cooperation with journal by publishing an excellent work on "Limiting informational characteristics of neural networks capable of associative learning based on Hebbian plasticity" NNW (International Journal on Neural on Mass-Parallel Computing and Information Systems) in the second issue of the first year of journal[1]. At this time he also began his almost thirty-year position as a member of the editorial board of our NNW journal.

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[1]NNW 1991, 1(2), pp. 97–104

Alexander Frolov was an excellent mathematician, but he never really advertised this. His real passion was for making complex matters simple and easily accessible to everyone, and creating practical systems to help people in the real world. "Perhaps the first thing that comes to mind to anyone who knew him is a kind and generous person who listens to the interlocutor with interest and attention" commented Jean Massion, the former head of the CNRS laboratory, Paris, on his memories of Alexander Frolov. And here are the words of another foreign collaborator, Jean Massion, INSERM Paris: "I respected Alexander Frolov very much for the fact that he knew how to combine high intelligence, an excellent sense of humor and uncompromising research work".

A graduate of the Moscow Institute of Physics and Technology, the university recognized for the high quality of education, Alexander Frolov became known to the international community primarily for the originality of his research. Among them are biomechanical modeling of motion control, mathematical modelling of neural networks that provide the functionality of brain structures and their learning, as well as studies on the functioning of the brain-computer interface and its application for the rehabilitation of neurological patients. As a man of a wide culture, he was interested in the history of science. He studied in particular the heritage of Henri Poincaré Based on Poincaré's hypothesis formulated at the end of the 19th century; Alexander Frolov developed an original neural network model for constructing a body movement diagram based on sensorimotor interactions in the learning process.

Alexander Frolov's professional activities were enriched by his human qualities. He was an excellent organizer but his main qualities were enthusiasm and dynamism in communicating with colleagues.

The feeling of deep sadness remains after the departure of an outstanding scientist and a wonderful person, our friend and colleague: we have lost the joy of his presence, but we retain a living gratitude for everything that he left to us.

Dušan Húsek
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NNW editorial board member