

Curriculum Vitae

Name: Irina Perfilieva, M.Sc., Ph.D., Professor

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Education:

MSc in Applied Mathematics in the Moscow State University, Department of Computer Mathematics and Cybernetics.

Degrees:

Degree of Candidate of Physical and Mathematical Sciences (PhD) in the Moscow State University. Theme of the doctoral thesis: "Functional Completeness in Many-Valued Logics".

Habilitation: Degree of Docent in the Czech Technical University in Prague. Theme of the thesis: "The Theory of Representation of Functions by Fuzzy Logic Formulas".

Full Professorship: Theme of Professor Lecture: "Fuzzy Approximation",

- 1982 – 1998, Moscow State Academy of Instrument-Making and Informatics, Assistant, Associate Professor, Professor,
- 1995 – 1998, Moscow State University Associate Professor,
- 1999 – 2001, University of Ostrava, Department of Mathematics, Associate Professor,
- 2001 – , University of Ostrava, Department of Mathematics, Professor,
- 1999 – , University of Ostrava, Institute for Research and Applications of Fuzzy Modeling, Senior Scientist, Head of the Department of Theoretic Research.

Research Activities: many-valued logic, fuzzy logic, approximate reasoning, systems of relation equations and their solvability, fuzzy transform.

I have published about 160 scientific papers, project reports and theses and have more than 600 citations. Furthermore, I have published the following books and the edited volume:

- Perfilieva I.: *Fuzzy Set Theory and Applications*. Itogi Nauki i Techniki 29 (1990), 83-151. (In Russian)
- Novak, V., Perfilieva I. and J. Mockor: *Mathematical Principles of Fuzzy Logic*. Kluwer, Boston/Dordrecht 1999. Russian Translation in Nauka, 2006
- Novák, V. and I. Perfilieva (eds.): *Discovering the World With Fuzzy Logic*. Springer-Verlag, 2000.

I am member of:

- Member of the Emergent Technology Technical Committee of the IEEE CIS (ETTC)

I am also a member of the Editorial Board of the

- Int. Journal of Fuzzy Sets and Systems,
- Journal of Applied Computational Intelligence,

- Iranian Journal of Fuzzy Systems,
- Journal of Uncertain Systems,
- Journal of Computational Intelligence Research,
- Journal of Intelligent technologies and applied statistics.

I have been a member of the program committees of several international conferences (IFSA'97, JCIS'98-2005, AFSS'2002, FLINS'2002-2008, FSDA', 2003, 2005, SAGA'2005, MVL 2004-2008, NAFIPS 2006-2008 and others) and organized several invited sessions and mini-tracks (e.g. EUFIT'97, EUFIT'98, CIMA'2001, IFSA'2001, 2005, 2007, EUSFLAT'2005 - 2009, IPMU 2006, IFSA 2007, 2009).

I gave invited and plenary talks on a number of conferences (EUFIT'98; FUZZIEEE'99; ESSLI'99; ECMI'2000; Logic of Soft Computing 2001-2004; CW in Berkeley 2003, 2005; WILF 2005 in Crema; Discrete Models in Control in Moscow 2005, East-West Colloquium in Zittau, 2006; 2nd All-Russian and Int. Conf. on Fuzzy Syst., and SC, 2008; 1st International Conference on Quantitative Logic and Quantification of Software, Shanghai, 2009)

I was on research stays, and/or a visiting professor in Italy (1996, 1997, 2000-2004), in Germany (2001-2004), in Austria (2001, 2004), in China (1998, 2003, 2004, 2005), in Spain (2000), in the USA (2000, 2001, 2003, 2007), in Japan (1999, 2001, 2003), in Thailand (2006, 2007), Singapore (2008).