Curriculum Vitae

Name: Armenak

Surname Gasparyan

Home address: home 19/43, street 50 let Komsomola, 152026 Pereslavl-Zalesskii, Russia

E-mail: *armen@armen.pereslavl.ru*

Date of birth: September 12, 1947

Place of birth: Stepanakert, former USSR

Education:

Higher: Avarded the Faculty of Physics, Yerevan State University (Yerevan, Armenia) in year 1974

Graduate School: Computing Center of Russian Academy of Science (Moscow), years 1981 – 1984

PhD degree: Philosophy Doctor in Mathematics. awarded in year 1984

Work:

1975 – 1980, teacing physics and mathematics in schools and Pedagogical Institute

1981 – 1984, PhD Student, Computing Center of RAS

1984 – 1988, Scientific colaborator, Program Systems Institute of RAS

1988 – 2005, Senior Scientist, Program Systems Institute of RAS

Fields of Interest:

Mathematics, particularly

general, linear and multilinear algebra,

matrix theory (two- and many-dimensional),

graphs and hypergraphs, chromatic structures,

combinatorial analysis (algebraic and enumerative combinatorics),

complex systems (network structures, modelling and analysis),

fuzzy sets and systems (fuzzy relations and data bases),

geometry (generalized spaces, geometric inequalities),

computational mathematics (matrix computations, symbolic calculations),

Physics, particularly

quantum theory of many-particle systems,

mixed type statistics,

Chemistry, particularly

electronic structures of molecules,

complex reactions and reaction networks,

Biology, in particular

gene expression and regulatory networks,

protein-protein interactions, folding,

cell signaling and cellular networks,

organisms and organ clusters, functional mechanisms,

Psychology and Cognitive Science, in particular

formation and development, intuition and quest,

learning mechanisms and semantic structures,

neuronal networks and working brain structures,

human and collective intelligence,

Sociology, mainly

social networks, small and wirtual,

social relations and social structure, their emerging and dynamics,

socio-economical modelling, economic and political networks,

creative processes in small groups,

Computer Science, including

multivalued, fuzzy and other non-classical logics,

real and artificial intelligence, their foundations,

parallel computation and supercomputer architectures,

symbolic and algebraic computations, computer algebra systems.

Participation in Conferences: Papers were submitted on more than 45 International meetings, the abstracts are published in abstract books or online in conference sites.

Talks: 13 talks are delivered from which 9 talks held in Russia (3 in St.Petersburg, 3 in Moscow, 1 in Nowosibirsk, and 2 in Obninsk), and 4 talk held in abroad (South Korea, USA, Israel, Germany)

Memberships: ILAS, RGMIA, MTBio

Grants:

RFBR travel grant for the "Combinatorial Matrix Theory" Conference, South Korea, January 2002;

NSF travel grant for the "Summer Symposium on Real Analysis", USA, June 2002;

LMS grant for participation in Workshop "Random Walks in Random Enviroment", Cambridge, UK, 2003

Grant of IMU (Israel Mathematical Union) for the participation in "The 2005 Haifa Matrix Theory Conference", Israel, Yanuary 2005

DMG grant for participation in ALCOMA'2005 conference on algebraic combinatorics, Germany, April 2005

List of publications: presented on distinct pages (see the file publist.pdf)