

Manana Khachidze

Education

- Master's degree (equal) in Mathematical software of ACS, Tbilisi State University, Faculty of Cybernetic and Applied Mathematic , 1982-1987.
- Doctor (PhD - Technological Science), Academic doctor (equal), Candidate of Technical Sciences. Georgian Technological University,1998.

Academic experience

- I.Javakhishvili Tbilisi State University; Faculty of Exact and Natural Sciences, Computer Sciences Department, Professor, head of department, 2006 – up now, full time;
- I.Javakhishvili Tbilisi State University; Faculty of Applied Mathematics and Computer Science, Senior ticher, 1999-2006, part time.

Non-academic experience

- A.Eliashvili Institute of Control Systems, Department of Machine Intelligence Problems; Senior scientist, 1988 -2010, full time (1988-2006, part time (2006-2010);
- Rescue-Guide Service of Georgia Tourism Department, Information Department, Head, 2000 – 2003, part time;
- Georgian Academy of Sciences, journal “Metsniereba da teqnika” (Science and Technology), IT Department, Head, 1993-1998 , part time.

Current membership in professional organizations

- Member of the TSU Senate (since 2010);
- Member of Georgian Academy of Natural Sciences;
- Adviser of Georgian Academy of Engineering;
- Board Member of Georgian Speleologists Union;
- Fellow of LEAD International (International Program - Leadership for Environment and Development) (1996-1998), www.lead.org.
- ACM (Association for Computing Machinery) Professional Membership

Service activities

- Accreditation and authorization expert of National Center for Educational Quality Enhancement Georgia (since 2010);
- Supervisor for master degree’s students;
- Member of master degree certification commission;
- Reviewer of master thesis.

Briefly list the most important publications and presentations from the past five years

- M. Khachidze, M.Tsintsadze, M. Archuadze, G. Besiashvili. Complex system state generalized presentation based on concepts. Application of Information and Communication Technologies (AICT), 2014 IEEE 8th International Conference on, At Astana. DOI: 10.1109/ICAICT.2014.7035999

- M.khachidze, G.Besiashvili. Pollution and Pollutin Source Definition on the Basis of Data Conceptual Analysis. International Conference “TBILISI-SPRING-2014” - Nuclear Radiation Nanosensors and Nanosensory Systems.
- M.khachidze, G.Besiashvili, M. Archuadze, M.Cincadze. Sensor data Full Application Circle Planning International Conference “TBILISI-SPRING-2014-Nuclear Radiation Nanosensors and Nanosensory Systems. 2014
- T.Tatrishvili, N.Jalagonia, K. Gelashvili, M.Khachidze, E.Markarashvili, J.Aneli, O.Mukbaniani. Quantum Chemical calculations of Hydrosilytation Reaction of Oligomethylhydrosiloxane to Allyl Cyanide and Polymer Electrolyte Membranes on their Basis. Oxidation Communications 38, No1, 2015. pp. 13-24.
- M.khachidze, M.Tsintsadze, M. Archuadze, G.Besiashvili. Concept Pattern Based Text Classification System Development for Georgian Text Based Information Retrieval. Baltic J. Modern Computing, Vol. 3 (2015), No. 4, pp. 307–317.
- P.J. Kervalishvili, M. G. Khachidze, A. Chirakadze. Novel Achievements in Information Science and Technology as basis of Secure Society Sustainable Development. Series:NATO Science for Peace and Security Series - E: Human and Societal Dynamics. Ebook: Volume 120: Engaging the Public to Fight the Consequences of Terrorism and Disasters. 2015. pp. 27-39.
- P.J. Kervalishvili, M.G. Khachidze. Quantum Approach to Sensory Information Processing for Modeling of Disasters. Book - NATO Science for Peace and Security, Series B: Physics and Biophysics. Nuclear Radiation Nanosensors and Nanosensory Systems. 2016, pp.1-8.
- M.khachidze, M.Tsintsadze, M. Archuadze. Natural Language Processing (NLP) Based Instrument for Classification of Free Text Medical Records. BioMed Research International. Volume 2016 (2016), Article ID 8313454, 10 pages.
<http://dx.doi.org/10.1155/2016/8313454>
- F. Criado-Aldeanueva, N. Odishelidze, J. M. Sanchez, M. Khachidze. Boundary Value Problem for Matrix Analogue of Helmholtz’s Equation (Poincaré’s Problem).Mediterranean Journal of MathematicsJune 2018

Briefly list the most recent professional development activities

- 2016 - I.Javakhishvili Tbilisi State University. Document Classification Engine Model for Georgian Information. Supervisor.
- 2015.03 – 2015.12 - I.Javakhishvili Tbilisi State University. Georgian Documents Classification Methods. Supervisor
- 2009 –2010 - NATO "Science for Peace and Security", HSD.EAP.CLG. 983694. "Information, Synergy and Security". Team Leader.
- 2009-2011. GNSF, # 1-7/73; Creation of Modeling Software of Molecular Systems – Materials of Molecular Nanotechnology and Spin electronic. Coordinator.
- 2005-2006, INTAS Nr 04-77-7067. Medical Image processing – Theoretical Bases and Technological Aspects. Team Leader.
- Participation in Erasmus+ Program
- “Mobility For Double Diploma” - Erasmus+ - International Credit Mobility. Polytechnic Institute of Bragança (IPB), Portugal, 28 February – 12 March 2016.
- International Week for Academic and Administrative Staff. Bialystok University of Technology , 15 -19 May 2017, Białystok, Poland.

- Academic and Administrative Staff mobility. 14-16 June, 2017. INSA Rennes, member of the INSA Group, France
- 2018: Fellow – Volunteer at San Diego State University , USA