

Curriculum Vitae



Serhiy SHTOVBA

Full Professor

Doctor of Science (on information technologies)

Electronic Engineer

Date of birth	17 September 1971
Nationality	Ukrainian
Occupation	Professor, Computer Control Systems Department, Vinnytsia National Technical University, Vinnytsia, Ukraine.
Research interests	Applications of mathematical modeling, optimization, and data science (especially applied statistics, fuzzy logic, genetic algorithms, ant algorithms) in the following fields: reliability of human-computer interaction; reliability of algorithmic process; technical and medical diagnosis; expert systems; decision making support systems; knowledge discovery; scientometrics.
Education	2015, Summer School “Reasoning”, International Center for Computational Logic, 2 weeks, Dresden, Germany (organized by Dresden Technical University); 2011, Full Professor for Computer Control Systems Department, Attestation Commission, Kyiv, Ukraine; 2010, DrSc on information technologies, Vinnytsia National Technical University, Ukraine; 2006, Summer School “Knowledge Structure”, International Center for Computational Logic, 2 weeks, Dresden, Germany (organized by Dresden Technical University); 2005, Summer School “Logic-Based Knowledge Representation”, International Center for Computational Logic, 2 weeks, Dresden, Germany (organized by Dresden Technical University); 2002, Docent for Computer Control Systems Department, Attestation Commission, Kiev, Ukraine; 2001, Complex Systems Summer School, 4 weeks, Budapest, Hungary (organized by Santa Fe Institute and Central European University); 1997, Ph.D. on mathematical modeling, Vinnytsia State Technical University, Ukraine; 1993, Electronic Engineer with honours, Vinnytsia Polytechnic Institute, Ukraine.
Publications	> 170, 5 books, more 120 articles.
Citations	Scopus – 68; Web of Science – 43; Google Scholar – 1827.
Career	Professor (2007), Post-Doc Fellow (2003), Associate Professor (2002), Assistant Professor (1997), Researcher (1996), PhD-Student (1993).
Supervised PhD Thesis	2006, Olexiy Kozachko “Modeling of Multistage Algorithmic Process Reliability”.
Lecture courses	Discrete Mathematics; Methods of Optimization; Computational Intelligence; Reliability of Complex Systems;

Research projects	<p>2015, Information technology for multi-criteria synthesis of fuzzy knowledge bases; 2013, Hybrid fuzzy models based identification of multifactor dependences; 2013, Forecasting of natural gas consumption by individual users; 2006, Models for Efficiency Evaluating of Decision Support System; 2001, Models and Algorithms for Optimal Control of Intelligent Systems; 1999, Fuzzy-Genetic Modeling and Optimization of Man-Machine Systems; 1996, Theory of Analysis and Synthesis the Algorithmic Processes under Uncertainty; 1995, Models and Algorithms for Decision Making Based on Fuzzy Inference; 1993, Fuzzy Reliability Assessment of Man-Machine System Functioning Quality.</p>
Other activities	<ul style="list-style-type: none"> • a member of Academic Council D 05.052.01 for defense of PhD theses and Doctoral theses on information technologies, Vinnytsia National Technical University; • an editorial board member of Ukrainian journal “Вісник Вінницького політехнічного інституту – Visnyk of Vinnytsia Polytechnical Institute”, of Ukrainian journal “Neuro-Fuzzy Modeling Techniques in Economics”, and of Russian journal “Exponenta Pro: Математика в приложениях – Mathematics in Applications” (2003 – 2003); • an expert in Fuzzy Logic Toolbox on http://matlab.exponenta.ru , SoftLine Inc., Moscow (2001 – 2006).
Grants and honours	<ul style="list-style-type: none"> • Ukrainian President grant for excellent young doctors of science, 2015; • Erasmus Mundus grant, project “Backis” with Montpellier University (France), staff level, 2015; • Stipendiary of Ukrainian Government as Excellent Young Researcher, 2005, 2004, 2003, 1997, 1996, and 1995; • Certificates of Gratitude from Minister of Science and Education in Ukraine, 2000–2002; • Grant of Santa Fe Institute and Central European University for Summer School, 2001; • Grants of Dresden Technical University for Summer Schools, 2005, 2006, 2015.
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