

## DZHALLADOVA IRADA



Doctor of Science in Physics and Mathematics, Full Professor.  
Head of Department of Computer Mathematics and Information Security of Kyiv National ECONOMIC  
University by named V. Hetman, Ukraine.  
EMS Member.

Birth Date: 16.05.67 (Guba, Azerbaijan).  
I have a son (10 years).

1984-1989: Undergraduate studies of Mathematics, Azerbaijan state university, Baku, Azerbaijan.

1991-1994: Graduate studies of Mathematics – Kiev national economic university, (Kiev, Ukraine).

23.05.1994: Ph.D. in Physics and Mathematics (candidate of sciences on specialty 01.01.02 - differential equations).

2000: Senior lecturer department of Advance mathematics.

2009: Doctor of Science in Physics and Mathematics.

2010: Professor of department Advance mathematics in Kiev national economic university.

2015: Head of department Computer Mathematics and Information Security.

Teaching: Advanced Math, Discrete Mathematics, Probability theory and Mathematical Statistics, Theory of Stochastic Process and etc.

*Participated in many international conferences with reports, including:*

- Conference on Differential Equations and Applications, Strechno, Slovak Republic, June 21-29, 2008. - Equadiff-12, Conference of differential equations and their applications, July 20-24, 2009, Brno, Czech Republic.
- 8th AIMS ICDSDEA 25.05 – 28.05.2010, Dresden, Germany.
- Conference Differential Equations, Slovak Republic, June 21-29, 2010.
- Research Workshop of the Israel Science Foundation, 29.08-02.09.2010, Ariel, Israel.
- International Conference on Differential & Difference Equations and Applications, Ponta Delgada, 4 -8 July, 2011.
- 7th International Congress on Industrial Applied Mathematics, July 18-22, 2011, Vancouver, Canada.

- International Conference on Mathematics and Physics in universities of technology 2011 Brno, Czech Republic, 21-25.09.11.
- 6 ECM, 2012, Krakow, Polska.
- 10th AIMS ICDSDEA 25.07 – 28.07 2014, Madrid, Spain.
- 7 ECM, 18-22.07.2016 Berlin, Germany.

*Research Interests:*

- Stochastic Differential Equations and its application in economy.
- Differential and difference equations with random parameters and its application to solve ecology problem.
- Stability and stabilization of solution nonlinear equations with semi-Markov parameters.
- Functional - differential equations with random parameters and delay.

*Fellowships and grants:*

1. Grant of the National Scholarship Programme of the Slovak Republic for the Support of Mobility of Students, Ph.D. Students, University Teachers and Researchers, Zilino, Slovak Republic, 2010.
2. Grant of the National Scholarship Programme of the Slovak Republic for the Support of Mobility of Students, Ph.D. Students, University Teachers and Researchers, Zilino, Slovak Republik, 2013 and 2015.
3. YSF grant (Konstanz University (Germany)) 2014, 2015.
4. Travel Grant from EWM (Konstanz University) for seminar.
5. Other travel and scholarship grant.

*Authors of 12 textbooks, 4 monographers; more than 150 articles in scientific journals.*

List of papers (some results may be found in RG (Research Gate)):

Estimates of Exponential Stability for Solutions of Stochastic Control System with Delay	ARTICLE	Abstract and Applied Analysis, vol/ 2011, Article ID 920412 2011. doi: 10.1155/2011/920412/ <a href="http://www.hindawi.com/journals/aaa/contents">http://www.hindawi.com/journals/aaa/contents</a>	14/10	Josef Diblik, D. Khusainov Bashtinec J.
The Optimization of Solutions of the Dynamic Systems with Random Structure	ARTICLE	Abstract and Applied Analysis, vol/ 2011, Article ID 4867/4 2011. doi: 10.1155/2011/4867/4/ <a href="http://www.hindawi.com/journals/AAA/contents">http://www.hindawi.com/journals/AAA/contents</a>	18/4	M. Ruzickova

*Description of future research activity (some):*

Development theory of stability of dynamical systems with random parameters and delay, namely:

- Obtain estimates of solutions systems of the (partial or usually) differential equations with random parameters in Banish space.
- Obtain conditions of asymptotic stability on mean square solutions of systems of the partial differential equations with random parameters (with delay and without delay).
- Construction of model of populations of rodents (in particular, red and grey squirrels) in the territory of Europe with given mathematical instruments.
- Others.

Languages: Ukrainian, Azerbaijanis, Russian, English.