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Name

Tariel Khvedelidze

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Experience

1. 2006-present Iv. Javakhishvili Tbilisi State University, Tbilisi, Georgia, Associate Professor, Faculty of Exact and natural Sciences, Department of Computer Sciences.
2. 1993-2006 Iv. Javakhishvili Tbilisi State University, Tbilisi, Georgia, Scientific Fellow of the laboratory of physical cybernetics
3. 1981-1993 Iv. Javakhishvili Tbilisi State University, Tbilisi, Georgia, Junior Scientific Fellow of the laboratory of physical cybernetics

Education

- 1999 Doctor, Phd of physical and mathematical sciences Iv. Javakhishvili Tbilisi State University, 01.01.08- Mathematical Cybernetics
- 1972-1977 Tbilisi State University, Tbilisi, Georgia. Faculty of Mechanics and Mathematics
Qualification: Mathematician-mechanic

Research Interests

1. Markov Chains Theory;
2. Automata Theory;
3. Modeling and Control of Complex Systems.

Teaching Courses

1. Formal languages and finite automata
2. Behavioral models of discrete systems
4. Information systems and models
5. Data analysis and statistics
6. Systems modeling and simulation

Participation in International Conferences

1. ICCMIT'18 Conference, Madrid, Spain, 2-4 April 2018 http://www.iccmit.net/ICCMIT_
2. ICCMIT'17 Conference, Warsaw, Poland, 3-5 April 2017 http://www.iccmit.net/ICCMIT_
3. ICCMIT'15 Conference, Prague, Czech Republic, 20-22 April 2015 http://www.iccmit.net/ICCMIT_
4. International scientific conference "information and computer technologies, modeling, management" dedicated to the 85th anniversary of the birth of academician I.V. Prangishvili. Georgia, Tbilisi, November 3-5, 2015
5. International Scientific Conference e R A – 4. The Conference for the contribution of Information Technology in Science, Economy, Society and Education & International Scientific Conference Spetses , Greece, 24-26 September 2009 <http://era.teipir.gr>.
6. EUROPEAN COMPUTING CONFERENCE (ECC' 09) Tbilisi, Georgia, iune 26-28, 2009

Publications (Last 10 years)

1. **T.Khvedelidze.** The spectral properties of matrices of some Markov chains. Journal of Fundamental and Applied Sciences - Vol 10, No 4S (2018), pp: 623-627
2. **T.Khvedelidze.** Automaton model of one statistical rule. International Journal "Information Theories and Applications", Vol. 24, Number 4, © 2017 pp.383
3. **T.Khvedelidze.** On the behavior of a class of infinite stochastic automaton in a random environment. International Journal "Information Technologies & Knowledge" Volume 10, Number 3, 2016
4. **T. Khvedelidze.** On the asymptotic optimality of stochastic automata. eRA- 4 PROCEEDINGS, 2016, <http://era.teipir.gr/>.
5. **T. Khvedelidze.** ON the Behaviour of an Infinite Stochastic Automation in a Stationary Random Medium. eRA - 4 PROCEEDINGS, 2016, <http://era.teipir.gr/>.
6. **T. Khvedelidze.** G. Tsertsvadze. Analysis of the behavior of the stochastic finite automaton in a ternary stationary random environment. G.E.S.J. Computer Sciences and Telecommunications. [http//gesj. Internet-academy. Org.ge N 2\(46\), 2015 \(Rus.\)](http://gesj. Internet-academy. Org.ge N 2(46), 2015 (Rus.)).
7. G. Tsertsvadze. **T.Khvedelidze.** Investigation of the behavior of a class of stochastic automata in ternary random environment. Proceedings of the International Scientific Conference "Information & COMPUTER technology, modeling, management" devoted to 85 - th anniversary of Academician IV. Prangishvili. Georgia, Tbilisi, November 3-5, 2015 (Rus.).
8. I.Aslanishvili, **T.Khvedelidze.** Simple model for transmission control protocol (TCP). International journal "Information Models and Analyses". Volume4, N1, 2015. Sofia, 100, P.O.B. 775, Bulgaria, www.Ithea.org.
9. **T.Khvedelidze.** One construction of a finite automaton in a stationary random medium with three classes of reactions. G.E.S.J. Computer Sciences and Telecommunications. [http//gesj. Internet-academy. Org.ge N2\(3 4\), 2012 \(Rus.\)](http://gesj. Internet-academy. Org.ge N2(3 4), 2012 (Rus.)).
10. **T.Khvedelidze,** I.Aslanishvili. On one Construction of a Finite Automaton. Proceedings of the EUROPEAN COMPUTING CONFERENCE (ECC' 09) Tbilisi, Georgia, june 26-28, 2009.
11. **T.Khvedelidze.** On one construction of an endless stochastic automaton. G.E.S.J. Computer Sciences and Telecommunications. [http//gesj. Internet-academy. Org.ge N3\(20\), 2009 \(Rus.\)](http://gesj. Internet-academy. Org.ge N3(20), 2009 (Rus.)).