Assistant Professor, Department of Computer Sciences,

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Bidzina Matsaberidze

Experience

2017-present	Assistant Professor, Department of Computer Sciences, Faculty of Exact and Natural Sciences, Iv.Javakhishvili Tbilisi State University
2016-2017	Invited Professor, Department of Computer Sciences, Faculty of Exact and Natural Sciences, Iv.Javakhishvili Tbilisi State University
2008-2016	Assistant Professor, Department of Computer Sciences, Faculty of Exact and Natural Sciences, Iv.Javakhishvili Tbilisi State University

Education

2008-2017	Faculty of Exact and Natural Sciences, Iv.Javakhishvili Tbilisi State University. Doctoral Program in Computer Sciences, Doctor of Computing
2005-2007	Faculty of Exact and Natural Sciences, Iv.Javakhishvili Tbilisi State University. Master of Computer Science
2001-2005	Faculty of Applied Mathematics and Computer Sciences, Iv.Javakhishvili Tbilisi State University. Bachelor of Computer Sciences, Expert in Informatics

Research Interests

1. Machine Learning;
2. Knowledge Engineering;
3. Fuzzy Set Theory;
4. Generalized Measure Theory;
5. Discrete Optimization;
6. Decision Making Intelligent Support Systems;

Teaching Courses

Simulation Modeling, Object Oriented Programming

Programming Technologies, Databases, Software Engineering

Performed Selected Projects

2016-present	Planning of Facilities Location and Goods Transportation in Extreme Situations (STCU-2016-04, #6297; STCU #6297);
2015-2017	The New Models of Vehicle Routes Planning in Extreme and Uncertain Environment (AR/26/5-111/14);
2014-2015	Intelligent Support System for Optimal Route Planning for Transportation of Goods (MTCU/23/4-102/13, #5891; STCU #5891);

2009-2010   Fuzzy Technologies for Modelling and Simulation of Weakly Structurable Systems (GNSF/ST08/1-361);

Selected Publications

1. Gia Sirbiladze, Bezhan Ghvaberidze, Bidzina Matsaberidze, Anna Sikharulidze. Multi-Objective Emergency Service Facility Location Problem Based on Fuzzy TOPSIS, Bulletin of the Georgian National Academy of Sciences, Volume 11, No. 1, pp. 23-30, 2017

2. Roberto Santana, Gia Sirbiladze, Bezhan Ghvaberidze, Bidzina Matsaberidze. A Comparison of Probabilistic-based Optimization Approaches for Vehicle Routing Problems. 2017 IEEE Congress on Evolutionary Computation, pp. 2606-2613, 2017

3. Gia Sirbiladze, Bezhan Ghvaberidze, Bidzina Matsaberidze. A New Fuzzy Model of the Vehicle Routing Problem for Extreme Conditions. Bulletin of the Georgian National Academy of Sciences, Volume 9, No. 2, pp. 46-53, 2015

4. Bezhan Ghvaberidze, Gia Sirbiladze, Bidzina Matsaberidze, Zurab Modebadze. New Two-Stage Approach for Bi-criteria Vehicle Routing Problem in Extreme Environment. Recent Advances in Systems. Proceedings of the 19th International Conference on Systems (part of CSCC '15), pp. 111-118, 2015

5. Gia Sirbiladze, Bezhan Ghvaberidze, Bidzina Matsaberidze, Anna Sikharulidze, Guram Mgeladze. A New Approach in Fuzzy Vehicle Routing Problem: Theoretical Foundations. Georgian International Journal of Science and technology, Vol. 6, Issue 4, pp. 339-352, Nova Science Publishers, Inc, 2014

6. Gia Sirbiladze, Anna Sikharulidze, Bezhan Ghvaberidze, Bidzina Matsaberidze. Fuzzy-Probabilistic Aggregations in the Discrete Covering Problem. Part I & II, Georgian International Journal of Science and Technology, Vol. 4, Issue 1-2, Nova Publishers, 2012

7. Gia Sirbiladze, Anna Sikharulidze, Bezhan Ghvaberidze, Bidzina Matsaberidze. Fuzzy-probabilistic Aggregations in the Discrete Covering Problem. International Journal of General Systems, Vol. 40, Issue 2, pp. 169-196, 2011

8. Gia Sirbiladze, Bezhan Ghvaberidze, Temur Latsabidze, Bidzina Matsaberidze. Using a Minimal Fuzzy Covering in Decision-Making Problems. Information Sciences: An International Journal, Vol. 179, Issue 12, pp. 2022-2027, 2009