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Bezhan Ghvaberidze

Experience

- 2006 – Present Iv. Javakhishvili Tbilisi State University
Associate professor
Faculty of Exact and Natural Sciences, Department of Computer Sciences
- 1994 – 2006 Iv. Javakhishvili Tbilisi State University
Assistant, Docent
Faculty of Cybernetics and Applied Mathematics, Chair of Control Theory
- 1991 – 1993 Iv. Javakhishvili Tbilisi State University
Researcher
Scientific-Technical Center of Applied problems
- 1980 – 1991 Iv. Javakhishvili Tbilisi State University
Researcher
Scientific - Research Laboratory 3
- 1979 – 1980 Moscow Scientific - Training Center "Algorithm", Tbilisi Branch
II category engineer
Department of Modeling

Education

- 2004 Iv. Javakhishvili Tbilisi State University, I. Vekua Institute of Applied Mathematics, Mathematical Cybernetics
The Degree of a Candidate of Sciences
- 1974 – 1979 Iv. Javakhishvili Tbilisi State University, Faculty of Mechanics and Mathematics, Computational Mathematics
Diploma in Computational Mathematics

Research Interests

- 1.Operations Research,
- 2.Discrete Multicriteria Optimization,
- 3.Vehicle Routing Problems.

Teaching Courses

Performed Selected Projects

2017-2018 Planning of facilities location and goods transportation in extreme situations (STCU-2016-04 ; #6297)

2015-2017 The New Model of Vehicle Routes Planning in Extreme and Uncertain Environment (SRNF: AR/26/5-111/14).

2014-2015 Intelligent Support System for Optimal Route Planning for Transportation of Goods (MTCU/23/4-102/13), (STCU-SRNSF #5891).

Selected Publications

1. B. Ghvaberidze, On the stability Locally optimal Solution in Boolean Optimization Problems . Bulletin of the Georgian Academy of Science,3(1), 2009,60-61;
2. G. Sirbiladze, B. Ghvaberidze, T. Latsabidze, B. Matsaberidze, Using Minimal Fuzzy Covering in Decision-making Systems. Information Sciences. An International Journal, 179, 2009, 2022-2027;
3. G. Sirbiladze, A. Sikharulidze, B. Ghvaberidze, and B. Matsaberidze, Fuzzy probabilistic aggregations in the discrete covering problem', International Journal of General Systems, 2011, 40: 2, 169 — 196;
4. Gia Sirbiladze, Anna Sikharulidze, Bezhan Ghvaberidze, and Bidzina Matsaberidze, Fuzzy-Probabilistic Aggregations in the Discrete Covering Problem. Part I: Representation of the Most Typical Value (MTV) through Associated Probabilities . Georgian International Journal of Science and technology, Volume 6, Numbera 1-2, 1-18, 2012, Nova Science Publishers, Inc.
5. Gia Sirbiladze, Anna Sikharulidze, Bezhan Ghvaberidze, and Bidzina Matsaberidze, Fuzzy-Probabilistic Aggregations in the Discrete Covering Problem. Part II: The Use of MTV as a Tool to Aggregate an Uncertain Information in a Minimal Fuzzy Misbelief Criterion Representation of the Most Typical Value (MTV) through Associated Probabilities . Georgian International Journal of Science and technology, Volume 6, Numbera 1-2, 19-36, 2012, Nova Science Publishers, Inc.
6. G. Sirbiladze, I. Khutsishvili and B. Ghvaberidze, Multistage decision-making fuzzy methodology for optimal investments based on experts' evaluations, European Journal of Operational Research, Elsevier pub., 232, 2014, 169–177;
7. G. Sirbiladze, B. Ghvaberidze, B. Matsaberidze, Bicriteria Fuzzy Vehicle Routing Problem for Extreme Environment. Bulletin of the Georgian National Academy of Sciences, vol. 8, no. 2, 41-48, 2014;
8. G. Sirbiladze, B. Ghvaberidze, B. Matsaberidze, A New Fuzzy Model of the Vehicle Routing Problem for Extreme Conditions, Bulletin of the Georgian National Academy of Sciences, vol. 9, no. 2, 46-53, 2015;

9. Roberto Santana, Gia Sirbiladze, Bezhan Ghvaberidze and Bidzina Matsaberidze, A comparison of probabilistic-based optimization approaches for vehicle routing problems, 2017 IEEE Congress on Evolutionary Computation (CEC), IEEE Xplore, 2017, 2606-2613
10. G. Sirbiladze, B. Ghvaberidze, B. Matsaberidze and A.Sikharulidze, Multi-Objective Emergency Service Facility Location Problem Based on Fuzzy TOPSIS, Bulletin of the Georgian National Academy of Sciences, 11(1), 23-30, 2017.
12. G. Sirbiladze, B. Ghvaberidze, B. Matsaberidze, G. Mgeladze, G. Bolotashvili and Z. Modebadze, Fuzzy Choquet Integral Aggregations in Multi-Objective Emergency Service Facility Location Problem, Bulletin of the Georgian National Academy of Sciences 12(1), 45-53, 2018.
13. G. Sirbiladze, B. Ghvaberidze and B. Matsaberidze, Fuzzy Aggregation Operators Approach in Location/Transportation Problem, Bulletin of the Georgian National Academy of Sciences, 2018.