

CURRICULUM VITAE

Personal Details:

Full Name: **Natalia Danailova Nikolova**
Place of Birth: **Varna, Bulgaria**
Work Address: **76 Vassil Drumev Str., 9026 Varna, Bulgaria**
Telephone: **+359 52 552 245**
Fax : **+359 52 303 163**
Mobile : **+359 885 401 514**
E-mail: **natalianik@gmail.com**
Citizenship: **Bulgarian**

Education:

2007 PhD, Higher Attestation Committee, Bulgaria
PhD thesis: *Quantitative Fuzzy-Rational Decision Analysis*
2003 Master of Business Administration, Technical University-Varna, Bulgaria
MSc thesis: *Development of a MATLAB 6.5 R13 Toolbox for Building Quantile Approximated Distributions*
2001 BSc: Technical University-Varna, Bulgaria; Bachelor of Business Administration
1997 1st Professional Economics High school, Varna, Bulgaria

Carrier Summary:

2011 Assoc. Professor in Decision Making at the Dept. of Information Technologies, N. Vaptsarov Naval Academy-Varna, Bulgaria
2010 Assoc. Professor in Decision Making at the Dept. of Economics and Management, Technical University-Varna, Bulgaria
2007 Assistant Professor in Decision Making at the Dept. of Economics and Management, Technical University-Varna, Bulgaria
2004 Assistant in Decision Making at the Dept. of Economics and Management, Technical University-Varna, Bulgaria
2001 PhD Student at the Dept. of Economics and Management, Technical University of Varna, Bulgaria; scientific field: quantitative decision analysis; Scientific tutor: Prof. K. Tenekedjiev, DSc. Eng.

Editorial Activity:

- Editorial Board Member, International Journal of General Systems, USA;
- Editorial Board Member, Journal of Advanced Computational Intelligence and Intelligent Informatics, Tokyo, Japan;
- Editorial Board Member, International Journal of Uncertainty, Fuzziness and Knowledge-based Systems, Europe
- Editorial Board Member, The International Journal of Computational Intelligence System, Europe

Membership in organizations:

- Member of the IEEE Computational Intelligence Society (IEEE CIS);
- Member of the Society for Imprecise Probabilities: Theory and Application (SIPTA);
- Member of the European Association for Decision Making (EADM);
- Member of the Balkan Environmental Association (BENA);
- Member of the Bulgarian Union of Automation and Informatics (UAI);
- Member of the Union of Scientists in Bulgaria (Varna section), and chair of "Marine Sciences" Chapter.
- Member of the Scientific and Technical Union of Mechanical Engineering;

Participation in Scientific Projects:

Internationally Funded Projects:

Network EUREKA SD	Enhancement of University Research and Education in Knowledge Areas useful for Sustainable Development (LOT 13), ERASMUS MUNDUS, 2013-2016, partner
FY2013	Enhancing Safety Awareness of the Maritime Personnel (MARSA), International Association of Maritime Universities (IAMU), the Nippon Foundation, 2013
TN 5539	eUniverCities: City-University Partnerships for the Development of Sustainable Urban Economies and Societies (Implementation Phase), URBACT II Program, partner, 2012-2013
2013-ERA-MOB-8	Sectoral Program ERASMUS, Life-long Learning Program, academic year 2013-2014 r, second ERASMUS coordinator for N. Vaptsarov Naval Academy
2012-ERA-MOB-8	Sectoral Program ERASMUS, Life-long Learning Program, academic year 2012-2013 r, second ERASMUS coordinator for N. Vaptsarov Naval Academy
TN 5539	eUniverCities: City-University Partnerships for the Development of Sustainable Urban Economies and Societies (Development Phase), URBACT II Program, partner, 2012-2013
FY2012	Enhancing Management Capacity of the Maritime Industry Personnel (MAREM), International Association of Maritime Universities (IAMU), the Nippon Foundation, 2012
2011-ERA-MOB-8	Sectoral Program ERASMUS, Life-long Learning Program, academic year 2011-2012 r, second ERASMUS coordinator for N. Vaptsarov Naval Academy
SEE/A/218/2.2/X	Environmental Management of Transborder Corridor Ports (ECOPORT8), South-East Europe Transnational Cooperation Programme, 2008-2012
226592	Title: „UP-GRADE BLACK SEA SCIENTIFIC NETWORK (UP-GRADE BS-SCENE)”, Seventh Framework Program of the European Union, 2009-2011
5D202	Title: „Integration of EU Neighbourhood Countries in the Transport chains of the EU intermodal Railway and Inland (and coastal) waterways Modes (INTERIM)”, INTERREG III B, EC, 2006-2008

2004 HU-93003-S	Title: “Dangerous Cargo Transport Monitoring on Inland Waterways (DaTraM), Trans-European Transport Networks (TEN-T) Program of the EU
RICA-CT-2005-022868	Title: “Black Sea Scientific Network” (Black Sea SCENE), Sixth Framework Program of the European Union, 2006-2008;
FP6-019363	Title: “Researchers in European Knowledge Society – REKS”, EU 2005 “Researchers in Europe” Initiative
RD2/2000/30161	Title: “Consortium Operational Management Platform River Information Services – COMPRIS”, Fifth Framework Program of the European Union, 2002-2005;
COE21ABSSS/MSDM	Title: “Center Of Excellence 21-st Century: ‘Creation of Agent-Based Social Systems Sciences’, Project1: ‘Mathematical System for Decision Making’ (MSDM)”, Ministry of Education and Science of Japan, 2004-2009;
BG/04/A/PL-166081	Title: “River information services based on risk analysis – RARIS”, Leonardo da Vinci program of the EU, trainee
TRS-083/02_PR#38232	Title: “Pattern Recognition Feasibility Study for Decision Making in Non-Nonminal Situations (PRNN)”, EUROCONTROL, Belgium

Nationally Funded Projects:

BG051PO002/12/3.2-03/12-32-2	Constructing an information system, for provision of public access to spatial data and services of the Ministry of Defense, European Social Fund, Operative Program „Administrative Capacity”, Ministry of Defense, partner, 2012-2014
B051PO001 – 3.3.04/40	Support for the development of PhD students, postdocs, specialists and young scientists: Building highly qualified young researchers in modern information technologies for optimization, pattern recognition and decision support, European Social Fund, Operative Program „Human Resources”, 2008-2011
DVU01/0031	Title: Development of program and internet-based applications for the purpose of education and training in investment analysis and portfolio optimization (INPORT), Program: “Stimulating scientific research in public universities”, National Science Fund, 2009-2011
TK01/0485	Title: “Intelligent systems for diagnostics and decision making in technological processes”, Program: Stimulating scientific research in priority areas, National Science Fund, 2009-2011
NIR 29/2008	Title: „Identification of the possibilities to form clusters in the regional industry and propositions for their support, Technical University – Varna, 2008-2009
NIR/TUV 37/2002	Title: “Supporting the strategic decisions of the organizations in the market environment”, TU-Varna, Bulgaria

Public activity

- Contact person, International Association of Maritime Universities (IAMU), N. Vaptsarov Naval Academy, Varna, Bulgaria;
- Contact person, Black Sea Association of Maritime Institutions (BSAMI), N. Vaptsarov Naval Academy, Varna, Bulgaria;

- Organization committee member, Fifth International IEEE Conference on Intelligent Systems, July 7-9, 2010, London, UK;
- Organization committee member, Fourth International IEEE Conference on Intelligent Systems, September 6-8 2008, Varna, Bulgaria;

Guest Lecturing:

- 2013 Boras University, Faculty of Engineering, Boras, Sweden
- 2013-2009, 2007 – University of Applied Sciences, TFH–Wien, Vienna, Austria (Lecture course in Intelligent Transport Systems)
- 2007 Tokyo University of Technology Tokyo-Tech, Tokyo, Japan (seminars on fuzzy rational decision analysis)

Specializations:

- 2008 Tokyo University of Technology Tokyo-Tech, Tokyo, Japan
- 2003 EUROCONTROL, Brussels, Belgium

Certificates:

- Certificate for a Training Course for Instructors, and Assessment, Examination and Certification of Seafarers, STCW'78 as amended, Reg. I/6, Sec. A-1/6, para.3, IMO Model Course 6.09 and 3.12), 25.02.2011– 16.03.2011, issued by N. Vaptsarov Naval Academy, Varna, Bulgaria, and Maritime Administration - Varna
- Certificate for participation in a two-day seminar entitled “Systems Science and Theory of Information”, organized in September 2008 at Technical University – Varna, lectured by Distinguished Prof. George Klir, Binghamton University, State University of New York, USA;
- Certificate of participation from the International Conference on Computers, Communication and Control ICCCC'08 for recognition of valuable contribution to ICCCC 2008 works, May 2008, Oradea, Romania;
- Diploma for the best presented paper (“Two Criteria to Rank Fuzzy Rational Alternatives) at the International Conference “Automatics and Informatics”, 3-6 October 2006, Sofia, Bulgaria;
- Certificate from “Benchmark Finance” for an education course in “Technical Analysis of Financial Markets”, Varna, July 2006;
- Certificate from via donau, Vienna, Austria, for the practice in river information services and risk analysis, conducted in the period 09.01-10.04.2005 under the project RARIS of Technical University – Varna (BG/04/A/PL-166081) within the framework of the Leonardo da Vinci mobility program of the European Union;
- Formal letter from the Central Laboratory for Biomedical Engineering, Bulgarian Academy of Sciences, for the attended PhD lecture course in “Theory and application of intuitionistic fuzzy sets” and “Theory and applications of generalizes nets” in the period 04.01-07.01.2005, lectured by Prof. DSc Krasimir Atanassov;
- Certificate from the IEEE Intelligent Systems Summer School, held 21-24 June 2004 within the Second International IEEE Conference on Intelligent Systems IEEE IS'2004, Varna, Bulgaria (certificate number 7/25.06.04);

Skills and Experience:

The key qualifications are in the fields of quantitative decision analysis and risk analysis.

Computer Skills: PC environment, WINDOWS, MS Office, MATLAB

Languages: *Bulgarian* - mother tongue; *English* – fluent (ALCPT; STANAG: reading – III, listening – III, writing – III, speaking - III), *Russian*- good, *Spanish* – intermediate level, *Italian*- basic level, *French* – basic level

List of Publications

Number, Type and Language

	Book Chapters	Journals	Conferences	Total
In English	3	37	43	83
In Russian	0	0	2	2
In Bulgaria	5	12	8	25
Total	8	49	53	110

The publications marked with * in the list have total impact factor of 6.980 according to the Scientific Citation Information (SCI ® Journal Citation Reports ®).

The publications marked with # have total *citation index* of **63**.

LIST OF PAPERS

In English

Books and book chapters:

1. Nikolova, N.D., Tenekedjiev, K.

NUMERICAL VERSION OF THE NON-UNIFORM METHOD FOR FINDING POINT ESTIMATES OF UNCERTAIN SCALING CONSTANTS

In: Efficiency and Scalability Methods for Computational Intellect, Igelnik, B., Zurada, J.M. (Eds), pp. 259-292, Premier Reference Source, USA, 2013

2. Nikolova, N.D., Toneva-Zheynova, D., Kolev, K., Tenekedjiev, K.

MONTE CARLO STATISTICAL TESTS FOR IDENTITY OF THEORETICAL AND EMPIRICAL DISTRIBUTIONS OF EXPERIMENTAL DATA

In: Computer and Information Science: Theory and Application of Monte Carlo Simulations, Chan, W. (Ed.), pp. 1-26, INTECH Open Science, 2013

3. Tenekedjiev, K., Nikolova, N.D., Kolev, K.

APPLICATIONS OF MONTE CARLO SIMULATION IN MODELLING OF BIOCHEMICAL PROCESSES

In: Mode, Ch. (Ed.) Applications of Monte Carlo Methods in Biology, Medicine and Other Fields of Science, pp. 57-75, INTCH Open Science, 2011

Papers in Journals

1. Nikolova, N.D., Armenski, I., Tenekedjieva, L-T., Mednikarov, B.

DOMAINS AND SOLUTIONS OF THE BRAESS PARADOX

Journal of Applied Computer Science Methods, Vol. 3, No. 2, pp. 17-43, 2011

2. Toneva-Zheynova, D., Mednikarov, B., Nikolova, N.D., Tenekedjiev, K.
ENVIRONMENTAL IMPACT OF TRANSPORT AND TENDENCIES FOR DEVELOPMENT OF SUSTAINABLE TRANSPORT IN BULGARIA
Journal of Marine Technology and Environment, Volume I, pp. 143-150, 2011
3. Nikolova, N.D., Toneva-Zheynova, D., Stoyanov, B., Tenekedjiev, K.
MODELS FOR ESTIMATION OF CORRELATION COEFFICIENTS USING CONDITIONAL QUANTILES FOR TWO-DIMENSIONAL NORMAL DISTRIBUTIONS
Entrepreneurship and Innovation Journal, Issue 2, Year 2, pp. 77-87 (bilingual publication – English and Bulgarian), 2010
4. *Nikolova, N.D., Tenekedjiev, K.
FUZZY RATIONALITY AND PARAMETER ELICITATION IN DECISION ANALYSIS
International Journal of General Systems, Special Issue on Intelligent Systems, Vol. 39, No. 5, pp. 539-556, 2010
5. *Dimitrakiev, D., Nikolova, N.D., Tenekedjiev, K.
SIMULATION AND DISCRETE EVENT OPTIMIZATION FOR AUTOMATED DECISIONS FOR IN-QUEUE FLIGHTS
International Journal of Intelligent Systems, Vol. 25, Issue 5, pp. 460-487, 2010
6. Bechev, Ch., Nikolova, N.D., Teohareva, M., Tenekedjiev, K.
TESTING THE QUALITY OF ENVIRONMENTAL DATA BY AN INTERNET-BASED TOOL
Journal of Environmental Protection and Ecology, Vol. 10, No. 3, pp. 877-888, 2009
7. *Nikolova, N.D.
EMPIRICAL JUSTIFICATION OF THE UNCERTAIN EQUIVALENCE METHOD
Control and Cybernetics Journal, pp. 811-834, 2009
8. *Nikolova, N.D., Tenekedjiev, K., Dong, F., Hirota, K.
COMPARING LINEAR INTERPOLATED AND ARCTG-APPROXIMATED 1-D UTILITY FUNCTIONS OVER REDUCED SAMPLES
Control and Cybernetics Journal, pp. 835-861, 2009
9. Nikolova, N.D., Toneva, D., Tenekedjiev, A-M.
STATISTICAL PROCEDURES FOR FINDING DISTRIBUTION FITS OVER DATASETS WITH APPLICATIONS IN BIOCHEMISTRY
Bioautomation, vol. 13(2), pp. 27-44, 2009
10. Nikolova, N.D., Toneva, D., Ahmed, S., Tenekedjiev, K.
CONSTRUCTING MULTI-DIMENSIONAL UTILITY FUNCTION UNDER DIFFERENT TYPES OF PREFERENCES OVER THE FUNDAMENTAL VECTOR ATTRIBUTES
Zadeh, L., Tufis, D., Filip, F., Dzitac, I. (Eds.), From Natural Language to Soft Computing: New Paradigms in Artificial Intelligence, Publishing House of the Romanian Academy, pp. 129-149, 2008
11. Nikolova, N.D., Ivanova, S., Tenekedjiev, K.
SELECTION OF ALTERNATIVES, MODELED AS MULTI-DIMENSIONAL GENERALIZED LOTTERIES OF I TYPE
Cybernetics and Information Technologies, Volume 8, No. 3, pp. 3-15, 2008
12. *Nikolova, N.D., Tenekedjiev, K., Kolev, K.
USES AND MISUSES OF PROGRESS CURVE ANALYSIS IN ENZYME KINETICS
Central European Journal of Biology, Volume 3, Issue 4, pp. 345-350, DOI: 10.2478/S11535-008-0035-4, 2008
13. #Tenekedjiev, K., Nikolova, N.D., Kobashikawa, C., Hirota, K.
FUZZY-RATIONAL BETTING ON SPORT GAMES WITH INTERVAL PROBABILITIES
Intelligent Techniques and Tools for Novel System Architecture, Series: Studies in Computational Intelligence, Volume 109, pp. 431-454, 2008
14. Tenekedjiev, K., Nikolova, N.D.
JUSTIFICATION AND NUMERICAL REALIZATION OF THE UNIFORM METHOD FOR FINDING POINT ESTIMATES OF INTERVAL ELICITED SCALING CONSTANTS
Fuzzy Optimization and Decision Making, Vol. 7, No. 2, pp. 119-145, DOI: 10.1007/s10700-008-9027-0, 2008 (in print)
15. Nikolova, N.D., Ahmed, S., Tenekedjiev, K.
GENERIC PROCEDURE FOR CONSTRUCTION OF A MULTI-DIMENSIONAL UTILITY FUNCTION UNDER FUZZY RATIONALITY
International Journal of Computers, Communications & Control, Vol. III, Supplement: Suppl. S, pp. 422-426, 2008 (*paper is selected from ICCCC'2008 committee for inclusion in an extended version in the book series Zadeh, L., Tufis, D., Filip, F., Dzitac, I. (Eds.) From Natural Language to Soft Computing: New Paradigms in Artificial Intelligence, Editing House of Romanian Academy, ISBN:978-973-27-1678-6, 2008*)
16. *Tenekedjiev, K., Nikolova, N.D.
RANKING DISCRETE OUTCOME ALTERNATIVES WITH PARTIALLY QUANTIFIED UNCERTAINTY
International Journal of General Systems, Volume 37, No. 2, pp. 249-274, 2008

- 17.** Nikolova, N.D.
ELICITATION ERRORS IN ONE-DIMENSIONAL NON-MONOTONIC UTILITY FUNCTIONS
Computer Science and Technology, Volume 2, pp. 48-59, 2007
- 18.** Nikolova, N.D.
ARCTG-APPROXIMATION OF MONOTONICALLY DECREASING UTILITY FUNCTIONS
Computer Science and Technology, Volume 1, pp. 60-69, 2007
- 19.** Nikolova, N.D., Toneva, D., Tenekedjiev, K.
DEFINITION AND RANKING OF FUZZY RATIONAL SEMI-GENERALIZED LOTTERIES OF I TYPE
Cybernetics and Information Technologies, Volume 7, No. 3, pp. 25-40, 2007
- 20.** Nikolova, N.D.
THREE CRITERIA TO RANK X-FUZZY-RATIONAL GENERALIZED LOTTERIES OF I TYPE
Cybernetics and Information Technologies, Volume 7, No. 1, pp. 3-20, 2007
- 21.** Nikolova, N.D.
UNIFORM METHOD FOR ESTIMATION OF INTERVAL SCALING CONSTANTS
Engineering and Automation Problems, Volume 1, pp. 79-90, 2007
- 22.** #Tenekedjiev, K., Nikolova, N.D., Toneva, D.
LAPLACE EXPECTED UTILITY CRITERION FOR RANKING FUZZY RATIONAL GENERALIZED LOTTERIES OF I TYPE
Cybernetics and Information Technologies, Volume 6, No. 3, pp. 93-109, 2006
- 23.** Dimitrakiev, D., Nikolova, N.D., Tenekedjiev, K.
OPTIMIZATION OF DISCRETE-EVENT DRIVEN IN-QUEUE-FLIGHTS
Control Engineering and Applied Informatics, Volume 8, No. 2, pp. 3-12, 2006
- 24.** #Nikolova, N.D., Dimitrakiev, D., Tenekedjiev, K.
SEMI-GENERALIZED LOTTERIES OF I TYPE IN THE CASE OF ADDITIVE PREFERENTIAL INDEPENDENCE APPLIED FOR THE SELECTION OF A DOMESTIC HEATING SYSTEM
International Journal on Engineering & Automation Problems, Volume 1, pp. 137-149, 2006
- 25.** Nikolova, N., Hirota, K., Kobashikawa, C., Tenekedjiev, K.
ELICITATION OF NON-MONOTONIC PREFERENCES OF A FUZZY RATIONAL DECISION MAKER
Information Technologies and Control, Year IV, Volume 1, pp. 36-50, 2006
- 26.** Tenekedjiev, K., Kobashikawa, C., Nikolova, N., Hirota, K.
GENERIC DATABASE FOR HYBRID BAYESIAN PATTERN RECOGNITION
Journal of Advanced Computational Intelligence and Intelligent Informatics, Volume 10, No. 3, pp. 419-431, 2006
- 27.** #Tenekedjiev, K., Nikolova, N.D., Pfliegl, R.
UTILITY ELICITATION WITH THE UNCERTAIN EQUIVALENCE METHOD
Comptes Rendus De L'Academie Bulgare des Sciences, Volume 59, Book 3, pp. 283-288, 2006
- 28.** Nikolova, N.D., Shulus, A.
BENEFITS FROM APPLYING RISK ANALYSIS IN VESSEL TRAFFIC MANAGEMENT ON INLAND WATERWAYS
Machine Mechanics, Series on Economics and Management, year XIII, Book 7, pp. 32-35, 2005
- 29.** #Tenekedjiev, K., Nikolova, N.D., Teohareva, M.
GENERAL DECISION FRAMEWORK ON SUSTAINABLE DEVELOPMENT POLICIES
Journal of Balkan Ecology, Volume 8, No. 2, pp. 131-136, 2005
- 30.** Tenekedjiev, K., Nikolova, N.D.
A NEW APPROACH FOR RATIONAL GROUP DECISION MAKING IN MEDICAL PRACTICE
Advanced Studies in Contemporary Mathematics, Volume 10, No. 2, pp. 155-168, 2005
- 31.** Tenekedjiev, K., Krushev, A., Nikolova, N.D.
MODIFIED AXIOMATIC BASIS OF SUBJECTIVE PROBABILITY
Journal of Advanced Computational Intelligence and Intelligent Informatics, Volume 9, No. 1, pp. 61-64, 2005
- 32.** #Nikolova, N.D., Shulus, A., Toneva, D., Tenekedjiev, K.
FUZZY RATIONALITY IN QUANTITATIVE DECISION ANALYSIS
Journal of Advanced Computational Intelligence and Intelligent Informatics, Volume 9, No. 1, pp. 65-69, 2005
- 33.** Dimitrakiev, D., Nikolova, N.D., Tenekedjiev, K.
SIMULINK ENGINE MODEL FOR IN-QUEUE FLIGHT SIMULATION PLATFORM
Machine Mechanics, Section "Diagnostics", Volume 57, book 3, pp. 95-102, 2004
- 34.** Nikolova, N.D., Makedonska, D., Tenekedjiev, K.
APPLICATION OF QUANTILE APPROXIMATED DISTRIBUTIONS FOR PATTERN RECOGNITION, DESCRIBED WITH CONTINUOUS INDEPENDENT FEATURES
Machine Mechanics, Section "Diagnostics", Volume 57, book 3, pp. 103-106, 2004

35. *#Tenekedjiev, K., Kamenova, S., Nikolova, N.D.
 FORMALIZED PROCEDURE FOR RANKING ALTERNATIVES IN DEVELOPING ENVIRONMENTAL PROGRAMS
 Journal of Cleaner Production, Elsevier, Volume 12, pp. 353-360, 2004
36. Tenekedjiev, K., Nikolova, N.D., Dimitrakiev, D.
 QUANTITATIVE ESTIMATION OF THE NON-ACCIDENTAL WORK OF AIR-TRAFFIC CONTROL OPERATORS
 Machine Mechanics, Volume 47, pp.159-163, 2002
37. Tenekedjiev, K., Dimitrakiev, D., Nikolova, N.D.
 BUILDING FREQUENTIST DISTRIBUTIONS OF CONTINUOUS RANDOM VARIABLES
 Machine Mechanics, Volume 47, pp.164-168, 2002

Papers in Congresses and Conferences

1. Nikolova, N.D., Dechev, J., Mednikarov, B., Kalinov, K., Tenekedjiev, K.
 ANALYSIS OF LEARNING STYLES IN ADAPTIVE MODELS FOR E-LEARNING MARINE STAFF
 Proc. 14th Annual General Assembly of the International Association of Maritime Universities IAMU AGA 14 – New Technological Alternatives for Enhancing Economic Efficiency, 26-28 October, Constanta, Romania, pp. 163-168, 2013
2. Ivanova, S., Nikolova, N.D., Kalinov, K., Georgieva, G., Mednikarov, B., Tenekedjiev, K.
 SELECTION OF ADEQUATE MODELS FOR DEVELOPMENT OF SPATIAL DATA INFRASTRUCTURE USING REPOMP
 Proc. First International Conference of the Black Sea Association of Maritime Institutions; Actual Problems of Marine Shipping, Admiral Ushakov Maritime State University, Novorossiysk, Russia, 25-27 June 2013, pp. 264-274, 2013
3. Nikolova, N.D., Toneva-Zheynova, D., Kalinov, K., Mednikarov, B., Tenekedjiev, K.
 APPLICATION OF AN INTERNET-BASED TOOL FOR VISUALIZATION OF MULTI-DIMENSIONAL OBJECTS WITH MISSING DATA IN MARITIME EDUCATION
 Proc. 13th Annual General Assembly of the International Association of Maritime Universities IAMU AGA 13 – Expanding Frontiers – Challenges and Opportunities in Maritime Education and Training, 15-17 October, St. John's, Newfoundland and Labrador, Canada, pp. 257-267, 2012
4. Nikolova, N.D., Mednikarov, B., Tenekedjiev, K.
 ANALYTICAL VERSION OF THE NON-UNIFORM METHOD FOR ANALYZING UNCERTAIN SCALING CONSTANTS
 Proc. International Conference Automatics and Informatics'2012, 3-7 October, Sofia, Bulgaria, pp. 120-123, 2012
5. Nikolova, N.D., Armenski, I., Tenekedjiev, L-T., Toneva-Zheynova, D.
 MULTI-PERSONAL NASH ARBITRATION IN THE BRAESS PARADOX
 Proc. 13th IFAC Symposium on Control in Transportation Systems CTS'2012, September 12-14, Sofia, Bulgaria, pp. 405-410, 2012
6. Nikolova, N.D., Armenski, Tchikova, K., Tenekedjiev, K.
 EXPERT ASSESSMENT OF ALTERNATIVES TO CHANGE THE LOCATION OF THE PORT OF VARNA
 Proc. 13th IFAC Symposium on Control in Transportation Systems CTS'2012, September 12-14, Sofia, Bulgaria, pp. 347-352, 2012
7. Nikolova, N.D., Toneva-Zheynova, D., Naydenov, D., Tenekedjiev, K.
 IMPUTING MISSING VALUES OF ENVIRONMENTAL MULTI-DIMENSIONAL VECTORS USING A MODIFIED ROWEIS ALGORITHM
 Proc. IFAC Workshop on Dynamics and Control in Agriculture and Food Processing, 3-16 June, Plovdiv, Bulgaria, pp. 199-205, 2012
8. Nikolova, N.D., Dimitrov, N., Mednikarov, B., Tenekedjiev, K.
 APPROXIMATE GENERATION OF MULTI-DIMENSIONAL DISTRIBUTIONS WITH FICTITIOUS COVARIANCE MATRICES
 Proc. International Conference Automatics and Informatics, pp. B-271 – B-274, 3-6 October, Sofia, Bulgaria, 2011
9. Teohareva, M., Nikolova, N.D., Dimitrov, N., Tenekedjiev, K.
 TESTING ENVIRONMENTAL DATA QUALITY THROUGH STATISTICAL ALGORITHMS
 International Scientific Conference “Project Management”, pp. 229-237, 15-16 April 2011, Triavna, Bulgaria, 2011
10. Nikolova, N.D., Toneva, D., Ginchev, I., Tenekedjiev, K.
 ONE-DIMENSIONAL EXPECTED UTILITY WITH ACRTAN-APPROXIMATED UTILITY AND DISCONTINUOUS LINEARLY INTERPOLATED CDF
 Proc. First International Scientific-Practical Conference “Economics and Management’2010”, Business and Public Sectors in the Economic Crisis – Problems and Perspectives, Varna 16-18 September, Varna, Bulgaria, pp. 494-498, 2010
11. Nikolova, N.D., Toneva, D., Ginchev, I., Tenekedjiev, K.
 EXPECTED UTILITY OF A ONE-DIMENSIONAL CLASSICAL RISKY GENERALIZED LOTTERY OF I AND III

TYPE WITH LINEARLY INTERPOLATED CDF

Proc. Fifth International IEEE Conference on Intelligent Systems, 7-9 July 2010, London, UK, pp. 137-143, 2010

12. Nikolova, N.D., Tenekedjiev, K.

SOLUTIONS WITH FUZZY-RATIONAL GENERALIZED LOTTERIES OF III TYPE WITH A ONE-DIMENSIONAL PARAMETER

Proc. Fifth International IEEE Conference on Intelligent Systems, 7-9 July 2010, London, UK, pp. 132-136, 2010

13. Nikolova, N.D., Toneva, D., Tenekedjiev

USING RIBBON RISK ANALYSIS TO QUANTIFY THE UNCERTAINTY IN A PRICE SELECTION PROBLEM

Proc. Automatics and Informatics, 29.09-04.10, Sofia, Bulgaria, pp. V-5 – V-8, 2009

14. Bechev, Ch., Nikolova, N.D., Teohareva, M., Tenekedjiev, K.

WEB-BASED TOOL FOR STATISTICAL ANALYSIS OF ENVIRONMENTAL DATA

Proc. 2nd Biannual and Black Sea SCENE EC Project Joint Conference “Climate Change in the Black Sea – Hypothesis, Observations, Trends, Scenarios and Mitigation Strategy for the Ecosystem, pp. 216-223, Sofia, Bulgaria, 6-9 October, 2008

15. Nikolova, N.D., Teohareva, M., Bechev, Ch., Tenekedjiev, K.

STATISTICAL ALGORITHMS FOR ENVIRONMENTAL DATA ANALYSIS

Proc. 2nd Biannual and Black Sea SCENE EC Project Joint Conference “Climate Change in the Black Sea – Hypothesis, Observations, Trends, Scenarios and Mitigation Strategy for the Ecosystem, pp. 251-258, Sofia, Bulgaria, 6-9 October, 2008

16. Nikolova, N. D., Tenekedjiev, K., Dong, F., Hirota, K.

SCALAR INDEPENDENCE IN FUZZY RATIONAL GENERALIZED LOTTERIES OF I TYPE

Proc. Joint 4th International Conference on Soft Computing and Intelligent Systems and 9th International Symposium on advanced Intelligent Systems (SCIS & ISIS 2008), pp. 1719-1724, 17-21 September, Nagoya, Japan, 2008

17. Nikolova, N.D., Dimitrakiev, D., Tenekedjiev, K.

ELICITING PARAMETERS IN DECISION ANALYSIS AND FUZZY RATIONALITY

Proc. 2008 4th International IEEE Conference "Intelligent Systems", Volume II, pp. 15-18 – 15-23, 6-8 September, Varna, Bulgaria, 2008 (*paper invited for extensions and inclusion in the Special Issue on Intelligent Systems of the international Journal of General Systems, 2009*)

18. Ivanova, Sn., Nikolova, N.D., Tenekedjiev, K.

COURT TRIAL REASONING WITH INTERVAL PROBABILITIES

Seventh International Scientific – Applied Conference “Strategic Trends In Business in 21st Century and the Quality of Higher Education”, pp. 381-385, 2008

19. Nikolova, N.D., Ramos, G., Tenekedjiev, K.

CHOICE OF A DOMESTIC HEATING SYSTEM BY SEMI-GENERALIZED LOTTERIES OF I TYPE

Proc. International IFAC Workshop on Energy Saving Control in Plants and Buildings, pp. 31-36, 2-5 October, Bansko, Bulgaria, 2006 (*paper proposed by the conference program committee for extension and submission to the International Journal on Engineering & Automation Problems, 2006*)

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