

Curriculum Vitae

Personal Data:

Name: Kiril Ivanov Tenekedjiev
Date of Birth: 18 December 1960
Place of Birth: Varna, BULGARIA
Citizenship: Bulgarian
Address: 73 V. Drumev Str., 9026 Varna, Bulgaria
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Education:

2008 Habilitation for Professor in Quantitative Decision Analysis, Technical University - Varna
2004 Doctor of Technical Sciences (DSc)
DSc thesis: *Quantitative decision analysis: utility theory and subjective statistics*
1997 Habilitation for Associated Professor in Automated Systems for Data Analysis and Control, Technical University – Varna
1994 PhD (Engineering)
PhD Thesis: *Statistical Pattern Recognition Applied in Technical Diagnostics of Complex Energetic Objects*
1986 MSc: Technical University-Varna, Mechanical Engineer in Ship Machines and Equipment, Summa Cum Laude
1979 High School: English Language School – Varna, Summa Cum Laude

Positions Held:

2011- Professor in Quantitative Decision Analysis, Dept. Information Technologies, N. Y. Vaptsarov Naval Academy, Varna
2008-10 Professor in Quantitative Decision Analysis, Dept. Economics and Management, Technical University-Varna
2004-08 Associated Professor in Automated Systems for Data Analysis and Management, Dept. Economics and Management, Technical University-Varna
2003 Visiting scientist in the Mathematical Modeling Group of the Institute for the Protection and Security of the Citizen (Ispra, Italy), Joint Research Center of the European Commission
1997-03 Associate Professor in Automated Systems for Data Analysis and Management, Dept. Technique and Technology for Water and Air Protection, Technical University-Varna, visiting lecturer at Medical University-Varna
1994-97 Senior Lecturer, Department of “Technique and Technology for Water and Air Protection”, Technical University-Varna
1991-94 Lecturer, Department of “Ship Machines and Equipment”, Technical University-Varna
1987-91 Lecturer, Department of “Resistance of the Materials”, Technical University-Varna

Membership in Professional Organizations:

- Member of the IEEE Computational Intelligence Society and Secretary of CIS Chapter – Bulgaria (04.2009-03.2011);
- Vice President of the National Committee of the International Federation of Automatic Control (IFAC);
- Member of the IFAC Technical Committee 5.1 and 5.2;
- 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 Managing Committee of the Union of Mathematicians in Bulgaria – Varna branch;
- Member of the South East European Transport Research Forum (SETREF);

- Member of the Bulgarian Union of Automation and Informatics (UAI);
- Member of the Union of the Mathematicians in Bulgaria;
- Member of the Bulgarian Association of Pattern Recognition (BAPR);
- Member of the Bulgarian Society of Cardiology (BSC);
- Member of the Federation of Scientific Technical Unions;
- Member of the Union of Scientists in Bulgaria (Varna section), and chair of "Marine Sciences" Chapter.

Public Activity:

- Member of TFEU Program Committee "Smart, Green and Integrated Transport", Framework Program "Horizon 2020", representative for Bulgaria, 2013-2020
- Member of the International Program Committee of the International Conference "Automatics and Informatics'2013", 3-7 October 2013, Sofia, Bulgaria;
- Member of the International Program Committee of the International Conference "Automatics and Informatics'2012", 3-7 October 2012, Sofia, Bulgaria;
- Member of the International Program Committee of the International Conference "Automatics and Informatics'2011", 3-7 October 2011, Sofia, Bulgaria;
- Member of the International Program Committee of the International Conference "Automatics and Informatics'2010", 3-7 October 2010, Sofia, Bulgaria;
- Member of the International Program Committee of the Fifth International IEEE Conference on Intelligent Systems, 7-9 July 2010, London, UK;
- Chairman of the Organizing Committee of the Fourth International IEEE Conference on Intelligent Systems, 6-8 September 2008, Varna, Bulgaria;
- Chairman of the General Committee of the Faculty of Marine Sciences and Ecology of Technical University of Varna;
- Head of the organizing committee of the Summer School of the IEEE Second International Conference on Intelligent Systems'2004, 21-24 June, St. Constantin, Varna, Bulgaria;
- National Contact Point on the action "*Sustainable development: sustainable development, global changes and ecosystems*" in the contact chain in Bulgaria for coordination of the actions on the specific programs of the Sixth and Seventh Framework Program of the European Union.

Expert Activity:

- Expert in the National Agency for Accreditation of University Education, since 2005;
- Risk Analysis and Decision Analysis Expert for "KOSARA NM" Ltd., Varna, Bulgaria, contract period- 01.01.2006-01.01.2011;
- Risk Analysis and Decision Analysis Expert for "Kristall" Ltd., Varna, Bulgaria, contract period- 17.12.2005 – 17.12.2010;
- Risk Analysis and Decision Analysis Expert for "Hrist K & K" Ltd., Varna, Bulgaria, contract period – 03.04.2005-03.04.2010;
- Risk Analysis and Decision Analysis Expert for "Ciconia" Plc., Varna, Bulgaria, contract period- 01.05.2004-01.05.2009.
- Risk Analysis and Decision Analysis Expert for "Voyager" Plc., Dobrich, Bulgaria, contract period- 01.04.2004-01.04.2009;
- Risk Analysis and Decision Analysis Expert for "SERDIKA 90" Plc., Dobrich, Bulgaria, contract period- 01.02.2004-01.02.2009;
- Risk Analysis and Decision Analysis Expert for "Lesport" Ltd., Varna, Bulgaria, contract period- 01.08.2002-01.08.2007;

Scholarships and Awards:

- Certificate for scientific tutoring of a project presented at the Student Session of the 41st Spring Conference of the Union of Mathematicians in Bulgaria, 9-12 April 2012, Borovets, Bulgaria
- 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 г., issued by N. Vaptsarov Naval Academy, Varna, Bulgaria, and

- Maritime Administration - Varna
- IEEE Senior Member (since 2008);
- 2007-2008 Fulbright Senior Scholar for research and lecturing at Binghamton University, State University of New York, USA;
- Certificate for a scientist, subject of biographical record in Who's Who in the World, 23rd Edition, 2006;
- Certificate for Participation in the Program Committee of the 13th International Annual Meeting of the Association organizing the Worldwide School Competition in Mathematics "Kangourou sans Frontieres", 2005, Borovets, Bulgaria (vice-chair of one of the groups responsible for the mathematical tasks for Europe);
- Certificate of Recognition for Team Leader in the Philippine Elementary Mathematics International Contest PEMIC'2005, 23-28 May 2005, Tagbilaran City, Bohol, Philippines (awarded by the Mathematics Trainers' Guild, Philippines, Department of Science and Technology – Science Education Institute, and Department of Education);
- Deed for scientific tutoring of a project, presented at the XXXIV Spring Conference of Union of Mathematicians in Bulgaria, Borovets, 6-9 April 2005, Bulgaria (Prof. DSc Oleg Mushkarov, Chair of the Student Institute of Mathematics and Informatics);
- Deed for tutoring a scientific project, presented at the Fifth Student Conference, Plovdiv, 14-16 January 2005, Bulgaria (Prof. DSc Oleg Mushkarov, Chair of the Student Institute of Mathematics and Informatics);
- Merit Award Medal "For People with Good Hearts", awarded by the *Help the Needy* Foundation (Protocol No.2/2001);
- Medal for excellent studies from the Technical University of Varna, Ministry of Education, Bulgaria, 1986;
- First place at the Bulgarian Students Mathematic Olympics, Bulgaria, 1983;
- Medal for excellent studies from the First English Language High school, Varna, Ministry of Education, Bulgaria, 1979.

Editorial Activity:

- Associate Editor, Journal of Applied Computer Science Methods, Poland;
- 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, The International Journal of Computational Intelligence System, Europe
- Editorial Board Member, Journal of Marine Technology and Environment, Romania;
- Editorial Board Member, Automatics and Informatics, Sofia, Bulgaria;
- Vice Editor in Chief, Science, Labor and Capital Series, Varna, Bulgaria;
- Editorial Board Member, Scientific Consultant, DESK Publication House, Bulgaria;
- Editorial Board Member, Economics in the Social Field, "Hrist K&K" Publication House;
- Guest Editor of the "Economics and Management" Series of "Machine Mechanics", Varna, Bulgaria.

Participation in Scientific Projects:

A. 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
OTKA 83023	Proteolytic Destruction of the Thrombus Matrix: Characterization of New Targets and Tools for Thrombolysis, Hungarian Science Foundation (OTKA), 2011-2015
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
5D202	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, Co-PI;
2004 HU-93003-S	Dangerous Cargo Transport Monitoring on Inland Waterways (DaTraM), Trans-European Transport Networks (TEN-T) Program of the EU, 2004-2005, Co-PI;
RICA-CT-2005-022868	Black Sea Scientific Network (Black Sea SCENE), Sixth Framework Program of the European Union, 2006-2008, PI;
FP6-019363	Researchers in European Knowledge Society – REKS, EU 2005 “Researchers in Europe” Initiative, Co-PI;
RD2/2000/30161	Consortium Operational Management Platform River Information Services – COMPRIS, Fifth Framework Program of the European Union, 2002-2005, Co-PI;
COE21ABSSS/MSDM	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, PI;
BG/04/A/PL-166081	River information services based on risk analysis – RARIS, Leonardo da Vinci program of the EU, 2004-2005, PI;
20607-2003-03 P1VS1 ISP IT	Activities within policy application of epidemiological modeling and establishing working relations with the relevant units of DG SANGO. Contribution to the new Framework 6 project on environment and health helping to define its strategy, which is intended to pave the way for a major project in the area at European level in Framework 7, Joint Research Center, Fifth Framework Program of the European Union, 2003, PI;
20607-IPSC G-04	Risk Quantification of Natural Hazards using Pattern Recognition Methods Realized by Original Software in MATLAB, Joint Research Center, Fifth Framework Program of the European Union, 2003, PI;
TRS-083/02_PR#38232	Pattern Recognition Feasibility Study for Decision Making in Non-Nominal Situations (PRNN), EUROCONTROL, 2002-2004, PI;
069520/Z/02/Z	Enzymology of thrombolysis in physiology and pathology, 2003-2005, PI;
IST-2000-29207	European Network on Intelligent Technologies for Smart

EVK1-CT-2000-00044	Adaptive Systems- EUNITE, 2000, Co-PI; European catchments: Catchments changes and their impact on the coast-EUROCAT, Fifth Framework Program of the EC, 2001-2003, Co-PI;
GRANT No. T031891/2000	Intravascular and extravascular fibrinolysis, Hungarian Foundation for Support of the Scientific Research, 2000-2003, PI;
WORLD BANK Sm GP 8/2000	Ways of improving qualification and employment of the Turkish population in the region of Varna, 2000-2001, Co-PI;
FKFP 0013/99	Regulation of Fibrinolysis through Non-Covalent Modification of the Fibrin Substrate and the Proteases, 1999-2000, PI;
TEMPUS JEP_AC-13447-98	Establishment of a Continuous Education Centre at the TU-Varna, Focusing on the Usage of New Information and Communication Technologies in the Maritime-related Business, TEMPUS Program, 1998-2000, Co-PI;
PHARE NCDE/98/7	Development of Distance Education Course Modules, PHARE Program, 1998-2000, Co-PI;
BRITE-EURAM BE-97-5103	Accurate Modeling and Damage Detection in High Safety and Cost Structures- AMADEUS, 1997-1998, Co-PI;
PHARE ETF/97/VET/0066	English for Maritime Emergencies- PC Based Multimedia Distance Educational Course- (ERFMAREM), 1997-1999, Co-PI;
TEMPUS JEP 0653-94	Inter-University Centre for Update Educational Technologies in Higher Education, TEMPUS Program, 1994-1994, Co-PI;
TEMPUS JEP 07258-94	European Centre Energy-Nature 'Balkan, 1994-1996, Co-PI;
TEMPUS JEP 3483-92	Staff Training, Laying the Foundation and Starting the Process of Restructuring of Manufacturing Engineering Departments in Bulgaria and Czechoslovakia for Their Transformation in Centers of Excellence in Manufacturing and Management, 1992-1994, Co-PI;
TEMPUS JEP 3695-92	Centre for Advanced Control Engineering (CACE), TEMPUS Program, 1992-1994, Co-PI.

B. Nationally Funded Projects:

BG051PO002-1.3.06-0009-C0001	Improving the development policy for science and scientific research, European Social Fund, Operative Program „Administrative Capacity”, Ministry of Education and Sciences, partner, 2012-2014
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	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, 2008-2011, PI;
TK01/0485	Intelligent Systems for Diagnostics and Decision Making in Technological Processes, Program: Stimulating Scientific Research in Priority Areas, National Science Fund, 2009-2011, Co-PI;

NIR 29/2008	Identification of the Possibilities to Form Clusters in the Regional Industry and Propositions for Their Support, Technical University – Varna, 2008-2009, Co-PI;
NIR/TUV 37/2002	Supporting the Strategic Decisions of the Organizations in the Market Environment, 2002-2003, Co-PI;
OSF 125-96	Ecosystems'96, 1996-1997, PI;
IS-7-94	Computer Method and Intelligent Systems for Education and Scientific Researches in the Diagnostics of Biological, Medical and Technical Objects, 1994-1995, PI;
NIS/TUV 1065-93	Preparation for Testing and Exploitation of Computer Operated Metal-Cutting Machine, 1993-1994, PI;
NIS/TUV 1017-92	Methods and Organization for Technical Diagnostics of Energy Devices on Port Ships, 1992-1993, Co-PI;
NIS/TUV 955-91	Systems for Estimation of the Time Resource and Planning the Maintenance of Turbo-machines by their Actual State, 1991-1992, Co-PI;
NIS/TUV 880313-90	System for Diagnostics and Monitoring of Ships Engines and Mechanisms, 1990-1991, Co-PI;
NIS/TUV 842-88	Creating Microcomputer Systems for Diagnostics of Main Ship Diesel Engines, 1988, Co-PI;
NIS/TUV 812-87	Vibration Diagnostics in Rotary and Piston Machines, 1987-1988, Co-PI.

Visiting and Consulting Assignments:

2013–1999 (annually), 1995 – Semmelweis University, Budapest, Hungary
2012 – University of Applied Sciences Technikum-Wien, Vienna, Austria
2011 – UniVersus, Bari, Italy
2007 – Binghamton University, State University of New York, USA
2007 – Oxford Brookes University, Oxford, UK
2005 – Department of Computational Intelligence and Systems Science, Interdisciplinary Graduate School of Science and Engineering, Tokyo Institute of Technology, Hirota Lab, Tokyo, Japan
2004 – 2002 (annually) – EUROCONTROL, Brussels, Belgium
2003 – Joint Research Center, Institute for the Protection and Security of Citizens, Ispra, Italy
2000, 1998 – Aristotle University of Thessaloniki, Greece
1999 – University of Piraeus, Greece
1998, 1995, 1990 – University of Rostock, Germany
1995 – Loughborough University, United Kingdom
1994, 1993 – University of Reading, United Kingdom
1991 – Educational Centre of Forst, Germany
1990 – High Polytechnic School of Odessa, Ukraine

Guest Lecturing:

2012 – University of Applied Sciences Technikum-Wien, Vienna, Austria
2013, 2012 – Catholic University, Budapest, Hungary
2002 – Bulgarian Academy of Sciences, Sofia, Bulgaria
2001 – Academy of Labor and Social Relations, Moscow, Russia
2013, 2012, 2000, 1995 – Semmelweis University, Budapest, Hungary
1998 – Aristotle University, Thessaloniki, Greece
1995 – University of Rostock, Germany

Courses Lectured:

A. Decision Theory:

Mathematics of Rationality- Decision Theory
Risk Analysis
Planning and Forecasting
Quantitative Methods in Management
Econometrics

B. Pattern recognition and Diagnostics:

Planning and Forecasting

Statistical Pattern Recognition

Technical Diagnostics

Automatic Regulation and Control of the Ship Propulsive Equipment

Medical Diagnostics

C. Mathematics, Mechanics, and Informatics:

A-Level Mathematics

Business Calculus

Linear Algebra and Analytical Geometry

Statistics

Technical Mechanics

Business Applications for Analysis of Economic Information

Informational Technologies

Informatics

Operational Research

Mathematical Methods in the Computational Engineering

Optimization and Complex Automation of the Ship Power Plant

D. Environmental Modeling:

Statistics and biometrics

Modeling and Control of Environmental Systems

Environmental Monitoring and Diagnostics

Other skills:

Computer Skills: PC environment, WINDOWS, MS Office

Computer literacy: MATLAB, BASIC, and FORTRAN

Languages: Fluent English (ALCPT; STANAG: reading – III, listening – III, writing – III, speaking - III), Fluent Russian, Basic German

Publications:**A. Number, Type and Language:**

	In Books and Book Chapters	In Journals	In Congresses and Conferences	Total
In English	4	53	63	120
In German	0	0	2	2
In Hungarian	0	1	0	1
In Russian	0	0	4	4
In Bulgarian	10	35	25	70
Total	14	89	94	197

B. Impact Factor and Citation Index

The publications marked with * in the list have total *impact factor* of **73.041** according to the Scientific Citation Information (SCI ® Journal Citation Reports ®).

The publications marked with # have total *citation index* of **329**

List of Publications**I. In English:****I.A. 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, INTECH Open Science, 2011
4. Kolev, K., Lerant, I., Tenekedjiev, K., Machovich, R.
EFFECTS OF FIBRIN ON THE KINETIC PARAMETERS OF NEUTROPHIL LEUCOCYTE ELASTASE, PLASMIN AND MINIPLASMIN INACTIVATION BY PLASMA PROTEASE INHIBITORS
Trends in Homeostasis”, pp. 67-74, Akademiai Kiado, Budapest, Hungary, 1995

I.B. Papers in Journals:

1. *Kovacs, A., Szabo, L., Longstaff, C., Tenekedjiev, K., Machovich, R., Kolev, K.
AMBIENT ROLES OF CARBOXYPEPTIDASE B IN THE LYTIC SUSCEPTIBILITY OF FIBRIN
Thrombosis Research, Volume 133, pp. 80-87, 2013
2. *Kovacs, A., Tenekedjiev, K., Wohner, N., Szabo, L., Sotonyi, P., Szelid, Z., Nagy, A., Szabo, G., Merkely, B., Kolev, K.
SIGN AND SHAPE: CORRELATION OF CLINICAL FINDINGS AND CLOT ULTRASTRUCTURE IN ARTERIAL THROMBI
Journal of Thrombosis and Haemostasis, Volume 11, Supplement 2, pp. AS 01.2-1, July 2013
3. *Varju, I., Kolev, K., Keresztes, Z., Pap, A., Tenekedjiev, K., Machovich, R.
FIBRINOLYTIC SYSTEM: BASIC – III
Journal of Thrombosis and Haemostasis, Volume 11, Supplement 2, pp. PB3.34-791, July 2013
4. Nikolova, N.D., Armenski, I., Tenekedjiev, 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
5. *Wihner, N., Sotonyi, P., Machovich, R., Szabo, L., Tenekedjiev, K., Silva M.M., Longstaff, C., Kolev, K.
LYTIC RESISTANCE OF FIBRIN CONTAINING RED BLOOD CELLS
Arteriosclerosis, Thrombosis, and Vascular Biology, Volume 31, pp. 2306-2313, 2011
6. *Varju, I., Potonyi, P., Machovich, R., Szabo, L., Tenekedjiev, K., Silva M.M., Longstaff, C., Kolev, K.
HINDERED DISSOLUTION OF FIBRIN FORMED UNDER MECHANICAL STRESS
Journal of Thrombosis and Haemostasis, Volume 9, pp. 979-986, 2011
7. 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
8. 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. 83-94, 2010
9. *Tenekedjiev, K., Zurada, J.
GUEST EDITORIAL: INTELLIGENT SYSTEMS
International Journal of General Systems, Special Issue on Intelligent Systems, Volume 39, No. 5, pp. 453-455, 2010
10. *Nikolova, N.D., Tenekedjiev, K.
FUZZY RATIONALITY AND PARAMETER ELICITATION IN DECISION ANALYSIS
International Journal of General Systems, Special Issue on Intelligent Systems, Volume 39, No. 5, pp. 539-556, 2010
11. Dimitrakiev, D., Nikolova, N.D., Tenekedjiev, K.
SIMULATION AND DISCRETE EVENT OPTIMIZATION FOR AUTOMATED DECISIONS FOR IN-QUEUE FLIGHTS
International Journal of Intelligent Systems, Volume 25, Issue 5, pp. 460-487, 2010
12. 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, Volume 10, No. 3, pp. 877-888, 2009
13. *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, Volume 38, No. 3, pp. 835-861, 2009
14. 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

15. 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

16. *Nikolova, N.D., Tenekedjiev, K., Kolev, K.

USES AND MISUSES OF PROGRESS CURVE ANALYSIS IN ENZYME KINETICS

Central European Journal of Biology, Volume 3, No. 4, pp. 345-350, 2008

17. #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

18. 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, Volume 7, No. 2, pp. 119-145, 2008

19. 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, Volume 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, Publishing House of Romanian Academy, ISBN:978-973-27-1678-6, 2008*)

20. *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

(*Paper ranked in the first seven of 2008 Best Paper Awards of the International Journal of General Systems, based on nominations from the journal Editorial Board*)

21. *Tanka-Salamon, A., Tenekedjiev, K., Machovich, R., Kolev, K.

SUPPRESSED CATALYTIC EFFICIENCY OF PLASMIN IN THE PRESENCE OF LONG-CHAIN FATTY ACIDS: IDENTIFICATION OF KINETIC PARAMETERS FROM CONTINUOUS ENZYMIC ASSAY WITH MONTE CARLO SIMULATION

The FEBS Journal, Vol. 275, Issue 6, pp. 1274-1282, DOI: 10.1111/j.1742-4658.2008.06288.x, 2008

22. 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

23. Tenekedjiev, K.

MODELLING OF ENZYMIC ACTION IN HETEROGENEOUS PHASE ASSAY

Bioautomation, pp. 70-89, 2007

24. #Tenekedjiev, K.

#TRIPLE BISECTION ALGORITHMS FOR 1-D UTILITY ELICITATION IN THE CASE OF MONOTONIC PREFERENCES

Advanced Studies in Contemporary Mathematics, Volume 14, No. 2, pp. 259-281, 2007

25. #Tenekedjiev, K.

FUZZY-RATIONAL EXPLANATION OF THE ELLSBERG PARADOX

Notes on Intuitionistic Fuzzy Sets, Volume 12, No. 2, pp. 39-52, 2006

26. #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

27. 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

28. #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

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