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Professor and Chair	Business Systems & Analytics Department La Salle University, Philadelphia, Pennsylvania 19141, United States
Honorary Professor	Business Information Systems Department University of Paderborn, D-33098 Paderborn, Germany
Editor-in-Chief	International Journal of Applied Decision Sciences International Journal of Management and Decision Making International Journal of Communication Networks and Distributed Systems International Journal of Knowledge Engineering and Data Mining International Journal of Strategic Decision Sciences International Journal of Enterprise Information Systems
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EMPLOYMENT

LA SALLE UNIVERSITY, Philadelphia, Pennsylvania, USA

School of Business, [Business Systems and Analytics Department](#) (1984 to Present)

Full Professor with Tenure (Tenured in 1990)

Chairman, Business Systems and Analytics Department (2015 to Present)

Distinguished Chair of Business Analytics (2014 to Present)

Lindback Distinguished Chair of Information Systems and Decision Sciences (2005 to 2014)

Professor, Business Systems and Analytics (2004 to Present)

Chairman, Management Department (1993-05)

Executive Director, E-commerce Institute (January 2003-05)

Associate Professor, Management Information Systems and Decision Sciences (1996-04)

Director, Center for Technology and Management (1987-93)

Assistant Professor, Management Information Systems and Decision Sciences (1986-96)

Instructor, Management Information Systems and Decision Sciences (1984-86)

Major Committees: Tenure and Promotion Appeals Committee (2005-08); Tenure and Promotion Appeals Committee (1999-02); Tenure and Promotion Committee (1994-98)

Course Evaluations: [Summary report](#)

UNIVERSITY OF PADERBORN, Paderborn, Germany

Faculty of Business Administration and Economics

[Business Information Systems Department](#), Decision Support and Operations Research Lab

[Honorary Professor](#) (May 2016 to Present)

Distinguished Guest Professor (May 2015-May 2016)

Guest Professor (May 2008-May 2015)

Course Evaluations: [Summary report](#)

RUTGERS UNIVERSITY, New Brunswick-Newark-Camden, New Jersey, USA

Rutgers School of Business (2008 to Present)

Adjunct Professor

Management Science and Information Systems Department (New Brunswick and Newark Campuses)

Management Department (Camden Campus)

Course Evaluations: [Summary report](#)



EDUCATION

UNIVERSITY OF PENNSYLVANIA, Philadelphia, Pennsylvania

The Wharton School, Doctoral Programs (January -December 1997)

Post-Doctoral Diploma (P.Ph.D.) (Habilitation)

Thesis Title: Euclid: Strategic Alternative Assessment Matrix

Thesis Supervisor: Dr. Harbir Singh

AMERICAN UNIVERSITY IN LONDON, London, England

College of Business Administration, Doctoral Programs (December 1991-March 1993)

Doctor of Philosophy (Ph.D.)

Major: Management Information Systems

Thesis Title: Strategic Assessment Model: A Multiple Criteria Decision Support System

Thesis Supervisor: Dr. Snehamay Banerjee, Management Department, Drexel University

Thesis Committee: Dr. Edward Lusk, Wharton School, University of Pennsylvania; Dr. Oliver Heil, Anderson Graduate School of Management, UCLA; Dr. Kristiaan Helsen, Graduate School of Business, University of Chicago; Dr. Ronald Gulezian, Quantitative Methods Department, Drexel University; and Dr. Lakhbir Hayre, Financial Strategies Group, Prudential Securities.

DREXEL UNIVERSITY, Philadelphia, Pennsylvania

College of Information Studies (January 1987-June 1991)

Post-Master of Information Systems (P.M.I.S.)

Major: Information Systems Design and Evaluation

Advisor: Dr. Gary Strong

UNIVERSITY OF PENNSYLVANIA, Philadelphia, Pennsylvania

The Wharton School, Doctoral Programs (September 1981-May 1987)

Ph.D. Candidate (A.B.D.)

Major: Systems Sciences

Advisors: Dr. Russell Ackoff and Dr. Edward J. Lusk

LA SALLE UNIVERSITY, Philadelphia, Pennsylvania

School of Business Administration, Graduate Programs (September 1979-May 1981)

Master of Business Administration (M.B.A.)

Majors: Management Information Systems and Management Science/Operations Research

TEHRAN BUSINESS COLLEGE, Tehran, Iran

School of Management, Management Science Program (September 1975-August 1978)

Bachelor of Science (B.S.)

Majors: Management Science and Management Information Systems

Awards: Four Years National Merit Scholarship

CONTINUING EDUCATION

LA SALLE UNIVERSITY, Philadelphia, Pennsylvania

College of Professional and Continuing Studies (January 2009)

Certificate of Online Learning and Teaching

UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA), Los Angeles, California

Anderson Graduate School of Management (January-June 1995)

Visiting Scholar, Decision Support Systems (Multi-criteria Decision Support Models in Supply Chain Management)

Research Supervisor: Dr. Oliver Heil



RESEARCH FELLOWSHIPS

NAVAL RESEARCH LABORATORY, Stennis Space Center, Mississippi

Geospatial Innovation Lab (May-August 2015)

Distinguished Research Fellow

Fellowship Project: Design and development of interactive decision support systems for Managing Uncertain Spatial Data in Geographic Information Systems.

United States Naval Research Laboratory (Grant Number: N000141310505)

AIR FORCE RESEARCH LABORATORY, Rome, New York

Information Directorate - Information Systems Research Branch (May-July 2013)

Distinguished Research Fellow

Fellowship Project: Risk Analysis Model for Assessing Availability and Integrity in Command and Control Systems

United States Air Force Research Laboratory (Grant Number: FA8750-13-2-0115)

AIR FORCE RESEARCH LABORATORY, Rome, New York

Information Directorate - Information Systems Research Branch (May-July 2012)

Distinguished Research Fellow

Fellowship Project: Robustness and Resiliency Assessment in Integrated Command and Control Systems

United States Air Force Research Laboratory (Grant Number: FA8750-11-2-0218)

AIR FORCE RESEARCH LABORATORY, Rome, New York

Information Directorate - Information Systems Research Branch (May-July 2011)

Distinguished Research Fellow

Fellowship Project: Workforce Planning and Business Process Reengineering

United States Air Force Research Laboratory (Grant Number: FA9550-09-C-0114)

AIR FORCE RESEARCH LABORATORY, Rome, New York

Information Directorate - Information Systems Research Branch (May-July 2010)

Distinguished Research Fellow

Fellowship Project: Dynamic Air Tasking Assessment in Network-Centric Battlespace

United States Air Force Research Laboratory (Grant Number: FA8750-09-2-0157)

NAVAL RESEARCH LABORATORY, Stennis Space Center, Mississippi

Marine Geosciences Division - Mapping, Charting and Geodesy Branch (May-July 2009)

Distinguished Research Fellow

Fellowship Projects: 1. Network-Centric Autonomous Underwater Vehicle Mission Planning
2. Decision Support System for the NATO Enlargement Process

United States Naval Research Laboratory (Grant Number: N00173-08-P-6201)

NAVAL RESEARCH LABORATORY, Stennis Space Center, Mississippi

Marine Geosciences Division - Mapping, Charting and Geodesy Branch (May-July 2008)

Distinguished Research Fellow

Fellowship Projects: 1. Autonomous Underwater Vehicle Mission Planning and Control Systems
2. Decision Support Systems for the Base Realignment and Closure (BRAC) Process

United States Naval Research Laboratory (Grant Number: N00014-08-1-0160)

AIR FORCE RESEARCH LABORATORY, Rome, New York

Information Directorate - Information Systems Research Branch (May-July 2007)

Distinguished Research Fellow

Fellowship Project: Network-Centric Simulation in Joint Air Operations

United States Air Force Research Laboratory (Grant Number: FA8750-07-2-0043)

AIR FORCE RESEARCH LABORATORY, Rome, New York

Information Directorate - Information Systems Research Branch (May-July 2006)

Distinguished Research Fellow

Fellowship Project: Network-Centric Multi-Criteria Modeling of Joint Air Operations

United States Air Force Research Laboratory (Grant Number: FA9550-04-C-0141)



NASA – JOHNSON SPACE CENTER, Houston, Texas

Mission Operations Directorate - Mission Control Center (May-July 2004)

Distinguished Research Fellow

- Fellowship Projects:*
1. Intelligent Decision Support Systems for Future Manned Spaceflight Operations
 2. Benchmarking system for Global Warming in the European Union

National Aeronautics and Space Administration (Grant Number: NAG9-1526)

NASA – JOHNSON SPACE CENTER, Houston, Texas

Mission Operations Directorate - Mission Control Center (May-July 2003)

Distinguished Research Fellow

- Fellowship Projects:*
1. Integrated Spacecraft Command and Control Systems
 2. Benchmarking System for Technology Assessment

National Aeronautics and Space Administration (Grant Number: NAG9-1526)

NASA – JOHNSON SPACE CENTER, Houston, Texas

Mission Operations Directorate - Mission Control Center (May-July 2000)

Distinguished Research Fellow

- Fellowship Project:* Mission Operations Architecture Assessment for the Human Exploration of Mars

National Aeronautics and Space Administration (Grant Number: NAG9-39)

NASA – JOHNSON SPACE CENTER, Houston, Texas

Mission Operations Directorate - Mission Control Center (May-July 1999)

Distinguished Research Fellow

- Fellowship Project:* Automated Flight Control System for the International Space Station

National Aeronautics and Space Administration (Grant Number: NAG9-931)

NASA - KENNEDY SPACE CENTER, Cape Canaveral, Florida

Shuttle Management and Operations Directorate - Shuttle Project Engineering Center (May-July 1996)

Distinguished Research Fellow

- Fellowship Project:* Group Decision Support System for Space Shuttle Technology Assessment

National Aeronautics and Space Administration (Grant Number: NGT-60002)

NASA - KENNEDY SPACE CENTER, Cape Canaveral, Florida

Shuttle Management and Operations Directorate - Shuttle Project Engineering Center (May-July 1995)

Distinguished Research Fellow

- Fellowship Project:* Advanced Technology Projects Prioritization for Shuttle Management and Operations

National Aeronautics and Space Administration (Grant Number: NGT-52605)

VISITING PROFESSORSHIPS

ECOLE SUPERIEURE DE COMMERCE ET MANAGEMENT, Poitiers, France

School of Business and Management (2001 to Present)

Visiting Professor, Strategic Information Systems

May 2001, May 2002, March 2005, March 2006, March 2007, March 2008, March 2009, March 2010, March 2011, March 2012, October 2012, March 2013, October 2013, March 2014, October 2014, March 2015, October 2015, March 2016, October 2016, March 2017, March 2019.

HANSUNG UNIVERSITY, Seoul, Korea

Visiting Professor, Emerging Paradigms in Global Consulting (November 2008)

UNIVERSIDAD DE LA SALLE PACHUCA, Pachuca, Mexico

Visiting Professor, Cybernetics and Informatics (February 2008)

UNIVERSIDAD DE LA SALLE CUERNAVACA, Cuernavaca, Mexico

Visiting Professor, Information Technology (February 2008)

BASEL BUSINESS COLLEGE, Basel, Switzerland

Visiting Professor, Information Technology and Decision Making (May 2005)

UNIVERSIDAD DE LAS AMÉRICAS, Puebla, Mexico

Visiting Professor, Information Technology (April-May 2003)

UNIVERSIDAD DE LAS AMÉRICAS, Puebla, Mexico

Visiting Professor, Information Technology (May-June 2002)

LVIV INSTITUTE OF MANAGEMENT, Lviv, Ukraine

Visiting Professor, Decision Support Systems and Systems Analysis (July-August 1996)

REFEREED SCHOLARLY JOURNAL PUBLICATIONS

Accepted Manuscripts in Press

1. Santos Arteaga, F.J., Tavana, M., Di Caprio, D. and Toloo, M. (Accepted Manuscript in Press) '[A Dynamic Multi-Stage Slacks-Based Measure Data Envelopment Analysis Model with Knowledge Accumulation and Technological Evolution](#),' *European Journal of Operational Research*.
2. Tavana, M., Khanjani Shiraz, R. and Di Caprio, D. (Accepted Manuscript in Press) '[A Chance-Constrained Portfolio Selection Model with Random-Rough Variables](#),' *Neural Computing and Applications*.
3. Santos-Arteaga, F.J., Torrecillas, C. and Tavana, M. (Accepted Manuscript in Press) '[Dynamic Effects of Learning on the Innovative Outputs and Productivity in Spanish Multinational Enterprises](#),' *Journal of Technology Transfer*.
4. Toloo, M., Tavana, M. and Santos-Arteaga, F.J. (Accepted Manuscript in Press) '[An Integrated Data Envelopment Analysis and Mixed Integer Non-Linear Programming Model for Linearizing the Common Set of Weights](#),' *Central European Journal of Operations Research*.
5. Mousavi, S.M., Alikar, N., Tavana, M. and Di Caprio, D. (Accepted Manuscript in Press) '[An Improved Particle Swarm Optimization Model for Solving Homogeneous Discounted Series-Parallel Redundancy Allocation Problems](#),' *Journal of Intelligent Manufacturing*.
6. Mousavi, S.M., Tavana, M., Alikar, N. and Zandieh, M. (Accepted Manuscript in Press) '[A Tuned Hybrid Intelligent Fruit Fly Optimization Algorithm for Fuzzy Rule Generation and Classification](#),' *Neural Computing and Applications*.
7. Nasiri, M.M., Ranjbar, M., Tavana, M., Santos Arteaga, F.J. and Yazdanparast, R. (Accepted Manuscript in Press) '[A Novel Hybrid Method for Selecting Soccer Players during the Transfer Season](#),' *Expert Systems*.
8. Zare, H., Tavana, M., Mardani, A., Masoudian, S. and Kamali Saraji, M. (Accepted Manuscript in Press) '[A Hybrid Data Envelopment Analysis and Game Theory Model for Performance Measurement in Healthcare](#),' *Health Care Management Science*.
9. Aghayi, N. and Tavana, M. (Accepted Manuscript in Press) '[A Novel Three-Stage Distance-Based Consensus Ranking Method](#),' *Journal of Industrial Engineering International*.
10. Aziz, A.A., Mousavi, S.M., Tavana, M. and Niaki, S.T.A. (Accepted Manuscript in Press) '[An Investigation of the Robustness in the Travelling Salesman Problem Routes Using Special Structured Matrices](#),' *International Journal of Systems Science: Operations and Logistics*.
11. Ebrahimnejad, A., Tavana, M., Nasseri, S.H. and Gholami, O. (Accepted Manuscript in Press) '[A New Method for Solving Dual DEA Problems with Fuzzy Stochastic Data](#),' *International Journal of Information Technology and Decision Making*.
12. Aghayi, N., Tavana, M. and Maleki, B. (Accepted Manuscript in Press) '[A Malmquist Productivity Index with the Directional Distance Function and Uncertain Data](#),' *Scientia Iranica*.
13. Tavana, M., Santos-Arteaga, F.J. and Di Caprio, D. (2018) '[The Value of Information as a Verification and Regret-](#)

2018

- [Preventing Mechanism in Algorithmic Search Environments](#), *Information Sciences*, Vol. 448-449, pp. 187-214.
14. Tavana, M., Di Caprio, D. and Santos-Arteaga, F.J. (2018) '[An Extended Stochastic VIKOR Model with Decision Maker's Attitude Towards Risk](#)', *Information Sciences*, Vol. 432, pp. 301-318.
 15. Tavana, M., Abtahi, A.R., Di Caprio, D., Hashemif, R. and Yousefi-Zenouz, R. (2018) '[An Integrated Location-Inventory-Routing Humanitarian Supply Chain Network with Pre- and Post-Disaster Management Considerations](#)', *Socio-Economic Planning Sciences*, Vol. 64, pp. 21-37.
 16. Tavana, M., Ebrahimnejad, A., Santos-Arteaga, F.J., Mansourzadeh, S.M. and Kazemi Matin, R. (2018) '[A Hybrid DEA-MOLP Model for Public School Assessment and Closure Decision in the City of Philadelphia](#)', *Socio-Economic Planning Sciences*, Vol. 61, pp. 70-89.
 17. Tavana, M., Khalili-Damghani, K., Santos Arteaga, F.J., Mahmoudi, R. and Hafezalkotob, A. (2018) '[Efficiency Decomposition and Measurement in Two-Stage Fuzzy DEA Models Using a Bargaining Game Approach](#)', *Computers and Industrial Engineering*, Vol. 118, pp. 394-408.
 18. Tavana, M., Shahdi-Pashaki, S., Teymourian, E., Santos-Arteaga, F.J. and Komaki, M. (2018) '[A Discrete Cuckoo Optimization Algorithm for Consolidation in Cloud Computing](#)', *Computers and Industrial Engineering*, Vol. 115, pp. 495-511.
 19. Tavana, M., Abtahi, A.R., Di Caprio, D. and Poortarigh, M. (2018) '[An Artificial Neural Network and Bayesian Network Model for Liquidity Risk Assessment in Banking](#)', *Neurocomputing*, Vol. 275, pp. 2525-2554.
 20. Tavana, M., Izadikhah, M., Di Caprio, D. and Farzipoor Saen, R. (2018) '[A New Dynamic Range Directional Measure for Two-Stage Data Envelopment Analysis Models with Negative Data](#)', *Computers and Industrial Engineering*, Vol. 115, pp. 427-448.
 21. Tavana, M., Khalili-Damghani, K., Di Caprio, D. and Oveisi, Z. (2018) '[An Evolutionary Computation Approach to Solving Repairable Multi-State Multi-Objective Redundancy Allocation Problems](#)', *Neural Computing and Applications*, Vol. 30, No. 1, pp. 127-139.
 22. Tavana, M., Zareinejad, M. and Santos-Arteaga, F.J. (2018) '[An Intuitionistic Fuzzy-Grey Superiority and Inferiority Ranking Method for Third-Party Reverse Logistics Provider Selection](#)', *International Journal of Systems Science: Operations and Logistics*, Vol. 5, No. 2, pp. 175-194.
 23. Tavana, M., Di Caprio, D. and Santos-Arteaga, F.J. (2018) '[Strategic Signaling and New Technologically Superior Product Introduction: A Game-Theoretic Model with Simulation](#)', *Technological and Economic Development of Economy*, Vol. 24, No. 4, pp. 1466-1498.
 24. Tavana, M., Santos-Arteaga, F.J., Mahmoodirad, A., Niroomand, S. and Sanei, M. (2018) '[Multi-Stage Supply Chain Network Solution Methods: Hybrid Metaheuristics and Performance Measurement](#)', *International Journal of Systems Science: Operations and Logistics*, Vol. 5, No. 4, pp. 356-373.
 25. Sodenkamp, M.A., Tavana, M. and Di Caprio, D. (2018) '[An Aggregation Method for Solving Group Multi-Criteria Decision-Making Problems with Single-Valued Neutrosophic Sets](#)', *Applied Soft Computing*, Vol. 71, pp. 715-727.
 26. Izadikhah, M., Tavana, M., Di Caprio, D. and Santos-Arteaga, F.J. (2018) '[A Novel Two-Stage DEA Production Model with Freely Distributed Initial Inputs and Shared Intermediate Outputs](#)', *Expert Systems with Applications*, Vol. 99, pp. 213-230.
 27. Esmaelian, M., Tavana, M., Santos-Arteaga, F.J. and Vali, M. (2018) '[A Novel Genetic Algorithm Based Method for Solving Continuous Nonlinear Optimization Problems Through Subdividing and Labeling](#)', *Measurement*, Vol. 115, pp. 27-38.
 28. Banakar, Z., Tavana, M., Huff, B. and Di Caprio, D. (2018) '[A Bank Merger Predictive Model using the Smoluchowski Stochastic Coagulation Equation and Reverse Engineering](#)', *International Journal of Bank Marketing*, Vol. 36, No. 4, pp. 634-662.

29. Ebrahimi, B., Tavana, M., Rahmani, M. and Santos-Arteaga, F.J. (2018) '[Efficiency Measurement in Data Envelopment Analysis in the Presence of Ordinal and Interval Data](#),' *Neural Computing and Applications*, Vol. 30, No. 6, pp. 1971-1982.
 30. Razavi Hajiagha, S.H., Amoozad Mahdiraji, H., Tavana, M. and Sadat Hashemi, S. (2018) '[A Novel Common Set of Weights Method for Multi-Period Efficiency Measurement Using Mean-Variance Criteria](#),' *Measurement*, Vol. 129, pp. 569-581.
 31. Khanjani Shiraz, R., Tavana, M. and Di Caprio, D. (2018) '[Chance-Constrained Data Envelopment Analysis Modeling with Random-Rough Data](#),' *RAIRO - Operations Research*, Vol. 52, pp. 259-284.
 32. Chi3n, S.J., Charles, V. and Tavana, M. (2018) '[Impact of Incentive Schemes and Personality-Tradeoffs on Two-Agent Cooperation with Numerical Estimations](#),' *Measurement*, Vol. 125, pp. 182-195.
 33. Mobin, M., Mousavi, S.M., Komaki, M. and Tavana, M. (2018) '[A Hybrid Desirability Function Approach for Tuning Parameters in Evolutionary Optimization Algorithms](#),' *Measurement*, Vol. 114, pp. 417-427.
- 2017
34. Tavana, M., Di Caprio, D. and Santos-Arteaga, F.J. (2017) '[A Multi-criteria Perception-Based Strict-Ordering Algorithm for Identifying the Most-Preferred Choice among Equally-Evaluated Alternatives](#),' *Information Sciences*, Vol. 381, pp. 322-340.
 35. Tavana, M., Yazdani, M. and Di Caprio, D. (2017) '[An Application of an Integrated ANP-QFD Framework for Sustainable Supplier Selection](#),' *International Journal of Logistics: Research and Applications*, Vol. 20, No. 3, pp. 254-275.
 36. Tavana, M., Santos-Arteaga, F.J. and Di Caprio, D. (2017) '[The Effect of Preference Similarity on the Formation of Clusters and the Connectivity of Social Networks](#),' *Computers in Human Behavior*, Vol. 72, pp. 208-221.
 37. Tavana, M., Khalili-Damghani, K., Santos-Arteaga, F.J. and Zandi, M.H. (2017) '[Drone Shipping versus Truck Delivery in a Cross-Docking System with Multiple Fleets and Products](#),' *Expert Systems with Applications*, Vol. 72, pp. 93-107.
 38. Tavana, M., Santos Arteaga, F.J., Mohammadi, S. and Alimohammadi, M. (2017) '[A Fuzzy Multi-Criteria Spatial Decision Support System for Solar Power Location Planning](#),' *Energy Strategy Reviews*, Vol. 18, pp. 93-105.
 39. Tavana, M., Shabanpour, H., Yousefi, S. and Farzipoor Saen, R. (2017) '[A Hybrid Goal Programming and Dynamic Data Envelopment Analysis Framework for Sustainable Supplier Evaluation](#),' *Neural Computing and Applications*, Vol. 28, No. 12, pp. 3683-3696.
 40. Toloo, M. and Tavana, M. (2017) '[A Novel Method for Selecting a Single Efficient Unit in Data Envelopment Analysis without Explicit Inputs/Outputs](#),' *Annals of Operations Research*, Vol. 253, No. 1, pp. 657-681.
 41. Esmaelian, M., Tavana, M., Di Caprio, D. and Ansari, R. (2017) '[A Multiple Correspondence Analysis Model for Evaluating Technology Foresight Methods](#),' *Technological Forecasting and Social Change*, Vol. 125, pp. 188-205.
 42. Santos-Arteaga, F.J., Di Caprio, D., Tavana, M. and O'Connor, A. (2017) '[Innovation Dynamics and Labor Force Restructuring with Asymmetrically Developed National Innovation Systems](#),' *International Business Review*, Vol. 26, No. 1, pp. 36-56.
 43. Hatami-Marbini, A., Agrell, P.J., Tavana, M. and Khoshnevis, P. (2017) '[A Flexible Cross-Efficiency Fuzzy Data Envelopment Analysis Model for Sustainable Sourcing](#),' *Journal of Cleaner Production*, Vol. 142, No. 4, pp. 2761-2779.
 44. Khanjani Shiraz, R., Tavana, M., Fukuyama, H. and Di Caprio, D. (2017) '[Fuzzy Chance-Constrained Geometric Programming: The Possibility, Necessity and Credibility Approaches](#),' *Operational Research: An International Journal*, Vol. 17, No. 1, pp. 67-97.
 45. Khalili-Damghani, K., Tavana, M., Santos-Arteaga, F.J. and Ghanbarzad-Dashti, M. (2017) '[A Customized Genetic Algorithm for Solving Multi-Period Cross-Dock Truck Scheduling Problems](#),' *Measurement*, Vol. 108, pp. 101-118.

46. Di Caprio, D., Santos-Arteaga, F.J. and Tavana, M. (2017) '[The Emergence of Inclusive and Exclusive Virtual Communities Determined by the Preferences of their Users](#),' *Journal of Ambient Intelligence and Humanized Computing*, Vol. 8, No. 3, pp. 315-328.
 47. Alikar, N., Mousavi, S.M., Tavana, M. and Niaki, S.T.A. (2017) '[A Multi-Objective Multi-State Series-Parallel Redundancy Allocation Model Using Tuned Meta-Heuristic Algorithms](#),' *International Journal of Systems Science: Operations & Logistics*, Vol. 4, No. 3, pp. 275-296.
 48. Di Caprio, D., Santos-Arteaga, F.J. and Tavana, M. (2017) '[A Novel Decision Support Framework for Computing Expected Utilities from Linguistic Evaluations](#),' *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*, Vol. 25, No. 6, pp. 1005-1018.
 49. Bagloee, S.A., Heshmati, M., Tavana, M. and Di Caprio, D. (2017) '[A Logit-Based Model for Measuring the Effects of Transportation Infrastructure on Land Value](#),' *Transportation Planning and Technology*, Vol. 40, No. 2, pp. 143-166.
 50. Santos-Arteaga, F.J., Di Caprio, D., Tavana, M. and O'Connor, A. (2017) '[Formalizing the Demand for Technological Innovations: Rational Herds, Market Frictions and Network Effects](#),' *International Journal of Innovation Management*, Vol. 21, No. 2, pp. 1750018.1-1750018.43.
 51. Alikar, N., Mousavi, S.M., Ghazilla, R.A.R., Tavana, M. and Olugu, E.U. (2017) '[A Bi-Objective Multi-Period Series-Parallel Inventory-Redundancy Allocation Problem with Time Value of Money and Inflation Considerations](#),' *Computers and Industrial Engineering*, Vol. 104, pp. 51-67.
 52. Khanjani Shiraz, R., Charles, V., Tavana, M. and Di Caprio, D. (2017) '[A Redundancy Detection Algorithm for Fuzzy Stochastic Multi-Objective Linear Fractional Programming Problems](#),' *Stochastic Analysis and Applications*, Vol. 35, No. 1, pp. 40-62.
 53. Alikar, N., Mousavi, S.M., Ghazilla, R.A.R., Tavana, M. and Olugu, E.U. (2017) '[Application of the NSGA-II Algorithm to A Multi-Period Inventory-Redundancy Allocation Problem in a Series-Parallel System](#),' *Reliability Engineering and System Safety*, Vol. 160, pp. 1-10.
 54. Mardani, A., Nilashi, M., Antucheviciene, J., Tavana, M., Bausys, R. and Ibrahim, O. (2017) '[Recent Fuzzy Generalisations of Rough Sets Theory: A Systematic Review and Methodological Critique of the Literature](#),' *Complexity*, Vol. 2017, Article ID 1608147, pp. 1-33.
 55. Bagloee, S.A., Tavana, M., Di Caprio, D., Asadi, M. and Heshmati, M. (2017) '[A Multi-User Decision Support System for Online City Bus Tour Planning](#),' *Journal of Modern Transportation*, Vol. 25, No. 2, pp. 59-73.
- 2016
56. Tavana, M., Di Caprio, D. and Santos-Arteaga, F.J. (2016) '[Modeling Sequential Information Acquisition Behavior in Rational Decision Making](#),' *Decision Sciences*, Vol. 47, No. 4, pp. 720-761.
 57. Tavana, M., Santos-Arteaga, F.J., Di Caprio, D. and Tierney, K. (2016) '[Modeling Signal-Based Decisions in Online Search Environments: A Non-Recursive Forward-Looking Approach](#),' *Information and Management*, Vol. 53, No. 2, pp. 207-226.
 58. Tavana, M., Di Caprio, D. and Santos-Arteaga, F.J. (2016) '[Loyal Customer Bases as Innovation Disincentives for Duopolistic Firms Using Strategic Signaling and Bayesian Analysis](#),' *Annals of Operations Research*, Vol. 244, No. 2, pp. 647-676.
 59. Tavana, M., Li, Z., Mobin, M., Komaki, G.M. and Teymourian, E. (2016) '[Multi-Objective Control Chart Design Optimization Using NSGA-III and MOPSO Enhanced with DEA and TOPSIS](#),' *Expert Systems with Applications*, Vol. 53, pp. 17-39.
 60. Tavana, M., Zareinejad, M., Di Caprio, D. and Kaviani, M.A. (2016) '[An Integrated Intuitionistic Fuzzy AHP and SWOT Method for Outsourcing Reverse Logistics](#),' *Applied Soft Computing*, Vol. 40, pp. 544-557.
 61. Tavana, M., Kiani Mavi, R., Santos-Arteaga, F.J. and Rasti Doust, E. (2016) '[An Extended VIKOR Method Using Stochastic Data and Subjective Judgments](#),' *Computers and Industrial Engineering*, Vol. 97, pp. 240-247.

62. Tavana, M., Fallahpour, A., Di Caprio, D. and Santos-Arteaga, F.J. (2016) '[A Hybrid Intelligent Fuzzy Predictive Model with Simulation for Supplier Evaluation and Selection](#),' *Expert Systems with Applications*, Vol. 61, pp. 129–144.
63. Tavana, M., Liu, W., Elmore, P., Petry, F.E. and Bourgeois, B.S. (2016) '[A Practical Taxonomy of Methods and Literature for Managing Uncertain Spatial Data in Geographic Information Systems](#),' *Measurement*, Vol. 81, pp. 123-162.
64. Tavana, M., Zareinejad, M., Santos-Arteaga, F.J. and Kaviani, M.A. (2016) '[A Conceptual Analytic Network Model for Evaluating and Selecting Third-Party Reverse Logistics Providers](#),' *International Journal of Advanced Manufacturing Technology*, Vol. 86, No. 5, pp. 1705-1721.
65. Tavana, M., Kaviani, M.A., Di Caprio, D. and Rahpeyma, B. (2016) '[A Two-Stage Data Envelopment Analysis Model for Measuring Performance in Three-Level Supply Chains](#),' *Measurement*, Vol. 78, pp. 322-333.
66. Tavana, M., Kazemi, M.R., Vafadarnikjoo, A. and Mobin, M. (2016) '[An Artificial Immune Algorithm for Ergonomic Product Classification Using Anthropometric Measurements](#),' *Measurement*, Vol. 94, pp. 621-629.
67. Tavana, M., Di Caprio, D. and Santos-Arteaga, F.J. (2016) '[Managing Team Coordination Incentives: The Effect of Payoff Differentials](#),' *Journal of CENTRUM Cathedra: The Business and Economics Research Journal*, Vol. 9, No. 1, pp. 52-70.
68. Sodenkamp, M.A., Tavana, M. and Di Caprio, D. (2016) '[Modeling Synergies in Multi-Criteria Supplier Selection and Order Allocation: An Application to Commodity Trading](#),' *European Journal of Operational Research*, Vol. 254, No. 3, pp. 859-874.
69. Khalili-Damghani, K., Tavana, M. and Santos-Arteaga, F.J. (2016) '[A Comprehensive Fuzzy DEA Model for Emerging Market Assessment and Selection Decisions](#),' *Applied Soft Computing*, Vol. 38, pp. 676-702.
70. Khanjani Shiraz, R., Tavana, M., Di Caprio, D. and Fukuyama, H. (2016) '[Solving Geometric Programming Problems with Normal, Linear and Zigzag Uncertainty Distributions](#),' *Journal of Optimization Theory and Applications*, Vol. 170, No. 1, pp. 243-265.
71. Hajipour, V., Fattahi, P., Tavana, M. and Di Caprio, D. (2016) '[Multi-Objective Multi-Layer Congested Facility Location-Allocation Problem Optimization with Pareto-based Meta-heuristics](#),' *Applied Mathematical Modelling*, Vol. 40, No. 7-8, pp. 4948–4969.
72. Ebrahimnejad, A., Tavana, M. and Alrezaamiri, H. (2016) '[A Novel Artificial Bee Colony Algorithm for Shortest Path Problems with Fuzzy Arc Weights](#),' *Measurement*, Vol. 78, pp. 322-333.
73. Shahverdi, R., Tavana, M., Ebrahimnejad, A., Zahedi, K. and Omranpour, H. (2016) '[An Improved Method for Edge Detection and Image Segmentation Using Fuzzy Cellular Automata](#),' *Cybernetics and Systems*, Vol. 47, No. 3, pp. 161-179.
74. Khanjani Shiraz, R., Fukuyama, H., Tavana, M., and Di Caprio, D. (2016) '[An Integrated Data Envelopment Analysis and Free Disposal Hull Framework for Cost-Efficiency Measurement Using Rough Sets](#),' *Applied Soft Computing*, Vol. 46, pp. 204-219.
75. Ebrahimnejad, A., Tavana, M. and Santos-Arteaga, F.J. (2016) '[An Integrated Data Envelopment Analysis and Simulation Method for Group Consensus Ranking](#),' *Mathematics and Computers in Simulation*, Vol. 119, pp. 1-17.
76. Mousavi, S.M., Sadeghi, J., Akhavan Niaki, S.T. and Tavana, M. (2016) '[A Bi-Objective Inventory Optimization Model under Inflation and Discount Using Tuned Pareto-Based Algorithms: NSGA-II, NPGA, and MOPSO](#),' *Applied Soft Computing*, Vol. 43, pp. 57-72.
77. Bagloee, S.A., Tavana, M., Asadi, M. and Oliver, T. (2016) '[Autonomous Vehicles: Challenges, Opportunities and Future Implications for Transportation Policies](#),' *Journal of Modern Transportation*, Vol. 24, No. 4, pp. 284–303.
78. Aghayi, N., Tavana, M. and Raayatpanah, M.A. (2016) '[Robust Efficiency Measurement with Common Set of Weights](#)

[under Varying Degrees of Conservatism and Data Uncertainty,](#) *European Journal of Industrial Engineering*, Vol. 10, No. 3, pp. 385-405.

79. Di Caprio, D., Santos-Arteaga, F.J. and Tavana, M. (2016) '[An Optimal Sequential Information Acquisition Model Subject to a Heuristic Assimilation Constraint,](#)' *Benchmarking: An International Journal*, Vol. 23, No. 4, pp. 937-982.
80. Khodabakhshi, M., Tavana, M. and Baghbani Abootaleb, F. (2016) '[Optimistic and Pessimistic Performance and Congestion Analysis in Fuzzy Data Envelopment Analysis,](#)' *International Journal of Logistics Systems and Management*, Vol. 24, No. 1, pp. 1-17.
81. Roy, A., Tavana, M., Banerjee, S. and Di Caprio, D. (2016) '[A Secured Context-Aware Tourism Recommender System Using Artificial Bee Colony and Simulated Annealing,](#)' *International Journal of Applied Management Science*, Vol. 8, No. 2, pp. 93-113.

2015

82. Tavana, M., Di Caprio, D., Santos-Arteaga, F.J. and O'Connor, A. (2015) '[A Novel Entropy-Based Decision Support Framework for Uncertainty Resolution in the Initial Subjective Evaluations of Experts: The NATO Enlargement Problem,](#)' *Decision Support Systems*, Vol. 74, pp. 135-149.
83. Tavana, M., Khalili-Damghani, K. and Rahmatian, R. (2015) '[A Hybrid Fuzzy MCDM Method for Measuring the Performance of Publicly Held Pharmaceutical Companies,](#)' *Annals of Operations Research*, Vol. 226, No. 1, pp. 589-621.
84. Tavana, M., Di Caprio, D. and Santos-Arteaga, F.J. (2015) '[An Ordinal Ranking Criterion for the Subjective Evaluation of Alternatives and Exchange Reliability,](#)' *Information Sciences*, Vol. 317, pp. 295-314.
85. Tavana, M., Keramatpour, M., Santos-Arteaga, F.J. and Ghorbanian, E. (2015) '[A Fuzzy Hybrid Project Portfolio Selection Method Using Data Envelopment Analysis, TOPSIS and Integer Programming,](#)' *Expert Systems with Applications*, Vol. 42, No. 22, pp. 8432-8444.
86. Tavana, M., Di Caprio, D. and Santos-Arteaga, F.J. (2015) '[A Bilateral Exchange Model: The Paradox of Quantifying the Linguistic Values of Qualitative Characteristics,](#)' *Information Sciences*, Vol. 296, pp. 201-218.
87. Tavana, M., Zarook, Y. and Santos-Arteaga, F.J. (2015) '[An Integrated Three-Stage Maintenance Scheduling Model for Unrelated Parallel Machines with Aging Effect and Multi-Maintenance Activities,](#)' *Computers and Industrial Engineering*, Vol. 83, pp. 226-236.
88. Esmaelian, M., Tavana, M., Santos-Arteaga, F.J. and Mohammadi, S. (2015) '[A Multicriteria Spatial Decision Support System for Solving Emergency Service Station Location Problems,](#)' *International Journal of Geographical Information Science*, Vol. 29, No. 7, pp. 1187-1213.
89. Khalili-Damghani, K., Tavana, M., Abtahi, A.R. and Santos Arteaga, F.J. (2015) '[Solving Multi-Mode Time-Cost-Quality Trade-Off Problems under Generalized Precedence Relations,](#)' *Optimization Methods and Software*, Vol. 30, No. 5, pp. 965-1001.
90. Kandjani, H., Tavana, M., Bernus, P., Wen, L. and Mohtarami, A. (2015) '[Using Extended Axiomatic Design Theory to Reduce Complexities in Global Software Development Projects,](#)' *Computers in Industry*, Vol. 67, pp. 86-96.
91. Khalili-Damghani, K., Tavana, M., Santos-Arteaga, F.J. and Mohtasham, S. (2015) '[A Dynamic Multi-Stage Data Envelopment Analysis Model with Application to Energy Consumption in the Cotton Industry,](#)' *Energy Economics*, Vol. 51, pp. 320-328.
92. Hashemi, S.H., Karimi, A. and Tavana, M. (2015) '[An Integrated Green Supplier Selection Approach with Analytic Network Process and Improved Grey Relational Analysis,](#)' *International Journal of Production Economics*, Vol. 159, pp. 178-191.
93. Khalili-Damghani, K., Tavana, M. and Haji-Saami, E. (2015) '[A Data Envelopment Analysis Model with Interval Data and Undesirable Output for Combined Cycle Power Plant Performance Assessment,](#)' *Expert Systems with Applications*, Vol. 42, No. 2, pp. 760-773.

94. Hatami-Marbini, A., Tavana, M., Agrell, P.J., Hosseinzadeh Lotfi, F. and Ghelej Beigi, Z. (2015) '[A Common-Weights DEA Model for Centralized Resource Reduction and Target Setting](#),' *Computers and Industrial Engineering*, Vol. 79, pp. 195-203.
95. Mohtashami, A., Tavana, M., Santos-Arteaga, F.J. and Fallahian-Najafabadi, A. (2015) '[A Novel Multi-Objective Meta-Heuristic Model for Solving Cross-Docking Scheduling Problems](#),' *Applied Soft Computing*, Vol. 31, pp. 30-47.
96. Ardakani, M.K. and Tavana, M. (2015) '[A Incremental Approach with the A* Algorithm for Speeding-up the Optimization Process in Dynamic Shortest Path Problems](#),' *Measurement*, Vol. 60, pp. 299-307.
97. Hatami-Marbini, A., Tavana, M., Gholami, K. and Ghelej Beigi, Z. (2015) '[A Bounded Data Envelopment Analysis Model in a Fuzzy Environment with an Application to Safety in the Semiconductor Industry](#),' *Journal of Optimization Theory and Applications*, Vol. 164, No. 2, pp. 679-701.
98. Ghapanchi, A.H. and Tavana, M. (2015) '[A Longitudinal Study of the Impact of Open Source Software Project Characteristics on Positive Outcomes](#),' *Information Systems Management*, Vol. 32, No. 4, pp. 285-298.
99. Hajipour, V., Kheirkhah, A., Tavana, M. and Absi, N. (2015) '[Novel Pareto-Based Meta-Heuristics for Solving Multi-Objective Multi-Item Capacitated Lot-Sizing Problems](#),' *International Journal of Advanced Manufacturing Technology*, Vol. 80, No. 1-4, pp. 31-45.
100. Khanjani Shiraz, R., Tavana, M., Di Caprio, D. and Vakili, J. (2015) '[An Improved Non-Convex Model for Discriminating Efficient Units in Free Disposal Hull](#),' *Measurement*, Vol. 69, pp. 222-235.
101. Di Caprio, D., Santos-Arteaga, F.J. and Tavana, M. (2015) '[Technology Development through Knowledge Assimilation and Innovation: A European Perspective](#),' *Journal of Global Information Management*, Vol. 23, No. 2, pp. 48-93.
102. Ebrahimnejad, A., Tavana, M. and Manosourzadeh, S.M. (2015) '[An Interactive MOLP Method for Solving Output-Oriented DEA Problems with Undesirable Factors](#),' *Journal of Industrial and Management Optimization*, Vol. 11, No. 4, pp. 1089-1110.
103. Khalili-Damghani, K., Tavana, M. and Najmodin, M. (2015) '[Reverse Logistics and Supply Chains: A Structural Equation Modeling Investigation](#),' *International Journal of Industrial Engineering: Theory, Applications and Practice*, Vol. 22, No. 3, pp. 354-368.
104. Hatami-Marbini, A., Rostamy-Malkhalifeh, M., Agrell, P.J., Tavana, M. and Mohammadi, F. (2015) '[Extended Symmetric and Asymmetric Weight Assignment Methods in Data Envelopment Analysis](#),' *Computers and Industrial Engineering*, Vol. 87, pp. 621-631.
105. Di Caprio, D., Santos Arteaga, F.J. and Tavana, M. (2015) '[Choice Manipulation through Comparability in Markets with Verifiable Multi-Attribute Products](#),' *International Journal of Information Technology and Decision Making*, Vol. 14, No. 2, pp. 339-374.
106. Najafi, S., Saati, S. and Tavana, M. (2015) '[Data Envelopment Analysis in Service Quality Evaluation: An Empirical Study](#),' *Journal of Industrial Engineering International*, Vol. 11, No. 3, pp. 319-330.
107. Tavana, M., Kazemi, S. and Kiani Mavi, R. (2015) '[A Stochastic Data Envelopment Analysis Model Using a Common Set of Weights and the Ideal Point Concept](#),' *International Journal of Applied Management Science*, Vol. 7, No. 2, pp. 81-92.
108. Paryab, K., Tavana, M. and Khanjani Shiraz, R. (2015). '[Convex and Non-Convex Approaches for Cost Efficiency Models with Fuzzy Data](#),' *International Journal of Data Mining, Modelling and Management*, Vol. 7, No. 3, pp. 213-238.
109. Charles, V., Tavana, M. and Gherman, T. (2015) '[The Right To Be Forgotten - Is Privacy Sold Out in the Big Data Age?](#)' *International Journal of Society Systems Science*, Vol. 7, No. 4, pp. 283-298.
110. Saati, S., Tavana, M., Hatami-Marbini, A. and Hajiakhondi, E. (2015) '[A Fuzzy Linear Programming Model with Fuzzy](#)

[Parameters and Decision Variables](#), *International Journal of Information and Decision Sciences*, Vol. 7, No. 4, pp. 312-333.

111. Bagloee, S.A., Shnaiderman, M., Tavana, M. and Ceder, A. (2015) '[A Logit-Based Model for Facility Placement Planning in Supply Chain Management](#)', *International Journal of Logistics Systems and Management*, Vol. 20, No. 1, pp. 122-147.

2014

112. Tavana, M., Fazlollahtabar, H. and Hassanzade, R. (2014) '[A Bi-Objective Stochastic Programming Model for Optimising Automated Material Handling Systems with Reliability Considerations](#)', *International Journal of Production Research*, Vol. 52, No. 19, pp. 5597-5610.
113. Tavana, M., Khanjani Shiraz, R. and Hatami-Marbini, A. (2014) '[A New Chance-Constrained DEA Model with Birandom Input and Output Data](#)', *Journal of the Operational Research Society*, Vol. 65, No. 12, pp. 1824-1839.
114. Tavana, M., Abtahi, A.R. and Khalili-Damghani, K. (2014) '[A New Multi-Objective Multi-Mode Model for Solving Preemptive Time-Cost-Quality Trade-off Project Scheduling Problems](#)', *Expert Systems with Applications*, Vol. 41, No. 4, pp. 1830-1846.
115. Tavana, M., Di Caprio, D. and Santos-Arteaga, F.J. (2014) '[An Optimal Information Acquisition Model for Competitive Advantage in Complex Multiperspective Environments](#)', *Applied Mathematics and Computation*, Vol. 240, pp. 175-199.
116. Tavana, M. and Khalili-Damghani, K. (2014) '[A New Two-Stage Stackelberg Fuzzy Data Envelopment Analysis Model](#)', *Measurement*, Vol. 53, pp. 277-296.
117. Khalili-Damghani, K. and Tavana, M. (2014) '[A Comprehensive Framework for Sustainable Project Portfolio Selection Based on Structural Equation Modeling](#)', *Project Management Journal*, Vol. 45, No. 2, pp. 308-319.
118. Ebrahimnejad, A. and Tavana, M. (2014) '[A Novel Method for Solving Linear Programming Problems with Symmetric Trapezoidal Fuzzy Numbers](#)', *Applied Mathematical Modelling*, Vol. 38, No. 17-18, pp. 4388-4395.
119. Di Caprio, D., Santos-Arteaga, F.J. and Tavana, M. (2014) '[Information Acquisition Processes and their Continuity: Transforming Uncertainty into Risk](#)', *Information Sciences*, Vol. 274, pp. 108-124.
120. Kandjani, H., Tavana, M., Bernus, P. and Nielsen, S. (2014) '[Co-evolution Path Model \(CePM\): Sustaining Enterprises as Complex Systems on the Edge of Chaos](#)', *Cybernetics and Systems*, Vol. 45, No. 7, pp. 547-567.
121. Ebrahimnejad, A. and Tavana, M. (2014) '[An Interactive MOLP Method for Identifying Target Units in Output-Oriented DEA Models: The NATO Enlargement Problem](#)', *Measurement*, Vol. 52, pp. 124-134.
122. Khalili-Damghani, K., Tavana, M. and Amirkhan, M. (2014) '[A Fuzzy Bi-Objective Mixed-Integer Programming Method for Solving Supply Chain Network Design Problems under Ambiguous and Vague Conditions](#)', *International Journal of Advanced Manufacturing Technology*, Vol. 73, No. 9-12, pp. 1567-1595.
123. Tavana, M., Trevisani, D.A. and Dussault, J.L. (2014) '[The Fuzzy Stability Model: An Interactive Framework for Measuring Robustness and Resiliency under Uncertainty](#)', *International Journal of Data Analysis Techniques and Strategies*, Vol. 6, No. 2, pp. 137-161.
124. O'Connor, A., Santos-Arteaga, F.J. and Tavana, M. (2014) '[A Game-Theoretical Model of Bank Foreign Direct Investment Strategy in Emerging Market Economies](#)', *International Journal of Bank Marketing*, Vol. 32, No. 3, pp. 194-222.
125. Mahdilloo, M., Tavana, M., Farzipoor Saen, R. and Noorzadeh, A. (2014) '[A Game Theoretic Approach to Modeling Undesirable Outputs and Efficiency Decomposition in Data Envelopment Analysis](#)', *Applied Mathematics and Computation*, Vol. 244, pp. 479-492.
126. Di Caprio, D., Santos-Arteaga, F.J. and Tavana, M. (2014) '[The Optimal Sequential Information Acquisition Structure: A Rational Utility-Maximizing Perspective](#)', *Applied Mathematical Modelling*, Vol. 38, No. 14, pp. 3419-3435.

127. Ebrahimnejad, A., Tavana, M., Hosseinzadeh Lotfi, F., Shahverdi, R. and Yousefpour, M. (2014) '[A Three-Stage Data Envelopment Analysis Model with Application to Banking Industry](#),' *Measurement*, Vol. 49, pp. 308–319.
128. Santos-Arteaga, F.J., Di Caprio, D. and Tavana, M. (2014) '[A Self-Regulating Information Acquisition Algorithm for Preventing Choice Regret in Multi-Perspective Decision Making](#),' *Business and Information Systems Engineering*, Vol. 6, No. 3, pp. 165–175.
- German translation published in *Wirtschaftsinformatik*:
- Santos-Arteaga, F.J., Di Caprio, D. and Tavana, M. (2014) '[Ein selbstregelnder Informationsbeschaffungsalgorithmus zur Vermeidung von Auswahlbedauern bei multiperspektivischen Entscheidungsfindungen](#),' *Wirtschaftsinformatik*, Vol. 56, No. 3, pp. 185–196.
129. Hajipour, V., Khodakarami, V. and Tavana, M. (2014) '[The Redundancy Queuing-Location-Allocation Problem: A Novel Approach](#),' *IEEE Transactions on Engineering Management*, Vol. 61, No. 3, pp. 534-544.
130. Tavana, M., Trevisani, D.A. and Clark, T.A. (2014) '[A Deterministic Risk Analysis and Measurement Model for Assessing Availability and Integrity in Command and Control Systems](#),' *International Journal of Data Analysis Techniques and Strategies*, Vol. 6, No. 4, pp. 327-347.
131. Khalili-Damghani, K., Abtahi, A.R. and Tavana, M. (2014) '[A Decision Support System for Solving Multi-Objective Redundancy Allocation Problems](#),' *Quality and Reliability Engineering International*, Vol. 30, No. 8, pp. 1249–1262.
132. Momeni, E., Tavana, M., Mirzagoltabar, H. and Mirhedayatian, S.M. (2014) '[A New Fuzzy Network Slacks-Based DEA Model for Evaluating Performance of Supply Chains with Reverse Logistics](#),' *Journal of Intelligent and Fuzzy Systems*, Vol. 27, No. 2, pp. 793-804.
133. Bagloee, S.A., Ceder, A., Tavana, M. and Bozic, C. (2014) '[A Heuristic Methodology to Tackle the Braess Paradox Detecting Problem Tailored for Real Road Networks](#),' *Transportmetrica A: Transport Science*, Vol. 10, No. 5, pp. 437-456.
134. Tavana, M., Trevisani, D.A. and Kennedy, D.T. (2014) '[A Fuzzy Cyber-Risk Analysis Model for Assessing Attacks on the Availability and Integrity of the Military Command and Control Systems](#),' *International Journal of Business Analytics*, Vol. 1, No. 3, pp. 21-36.
135. Khanjani Shiraz, R., Tavana, M. and Paryab, K. (2014) '[Fuzzy Free Disposal Hull Models under Possibility and Credibility Measures](#),' *International Journal of Data Analysis Techniques and Strategies*, Vol. 6, No. 3, pp. 286-306.
- 2013
136. Tavana, M., Khalili-Damghani, K. and Abtahi, A.R. (2013) '[A Hybrid Fuzzy Group Decision Support Framework for Advanced-Technology Prioritization at NASA](#),' *Expert Systems with Applications*, Vol. 40, No. 2, pp. 480-491.
137. Tavana, M., Khanjani Shiraz, R., Hatami-Marbini, A., Agrell, P.J. and Paryab, K. (2013) '[Chance-Constrained DEA Models with Random Fuzzy Inputs and Outputs](#),' *Knowledge-Based Systems*, Vol. 52, pp. 32-52.
138. Tavana, M., Khalili-Damghani, K. and Sadi-Nezhad, S. (2013) '[A Fuzzy Group Data Envelopment Analysis Model for High-Technology Project Selection: A Case Study at NASA](#),' *Computers and Industrial Engineering*, Vol. 66, No. 1, pp. 10-23.
139. Tavana, M., Zandi, F. and Katehakis, M.N. (2013) '[A Hybrid Fuzzy Group ANP-TOPSIS Framework for Assessment of E-government Readiness from a CiRM Perspective](#),' *Information and Management*, Vol. 50, No. 7, pp. 383-397.
140. Tavana, M., Khalili-Damghani, K. and Abtahi, A.R. (2013) '[A Fuzzy Multidimensional Multiple-Choice Knapsack Model for Project Portfolio Selection Using an Evolutionary Algorithm](#),' *Annals of Operations Research*, Vol. 206, No. 1, pp. 449-483.
141. Tavana, M., Behzadian, M., Pirdashti, M. and Pirdashti, H. (2013) '[A PROMETHEE-GDSS for Oil and Gas Pipeline Planning in the Caspian Sea Basin](#),' *Energy Economics*, Vol. 36, pp. 716–728.

142. Tavana, M., Momeni, E., Rezaeiniya, N., Mirhedayatian, S.M. and Rezaeiniya, H. (2013) '[A Novel Hybrid Social Media Platform Selection Model Using Fuzzy ANP and COPRAS-G](#),' *Expert Systems With Applications*, Vol. 40, No. 14, pp. 5694–5702.
143. Tavana, M., Mirzagoltabar, H., Mirhedayatian, S.M., Farzipoor Saen, R. and Azadi, M. (2013) '[A New Network Epsilon-Based DEA Model for Supply Chain Performance Evaluation](#),' *Computers and Industrial Engineering*, Vol. 66, No. 2, pp. 501–513.
144. Tavana, M., Azizi, F., Azizi, F. and Behzadian, M. (2013) '[A Fuzzy Inference System with Application to Player Selection and Team Formation in Multi-Player Sports](#),' *Sport Management Review*, Vol. 16, No. 1, pp. 97–110.
145. Tavana, M., Trevisani, D.A. and Dussault, J.L. (2013) '[The Stability Model: An Interactive Framework for Measuring Robustness and Resiliency in Military Command and Control Systems](#),' *International Journal of Information Technology Project Management*, Vol. 4, No. 2, pp. 18-34.
146. Tavana, M., Mousavi, N. and Golar, S. (2013) '[A Fuzzy-QFD Approach to Balanced Scorecard Using an Analytic Network Process](#),' *International Journal of Information and Decision Sciences*, Vol. 5, No. 4, pp. 331-363.
147. Khalili-Damghani, K., Sadi-Nezhad, S. and Tavana, M. (2013) '[Solving Multi-Period Project Selection Problems with Fuzzy Goal Programming Based on TOPSIS and a Fuzzy Preference Relation](#),' *Information Sciences*, Vol. 252, pp. 42-61.
148. Hatami-Marbini, A., Tavana, M., Saati, S. and Agrell, P.J. (2013) '[Positive and Normative Use of Fuzzy DEA-BCC Models: A Critical View on NATO Enlargement](#),' *International Transactions in Operational Research*, Vol. 20, No. 3, pp. 411–433.
149. Khalili-Damghani, K. and Tavana, M. (2013) '[A New Fuzzy Network Data Envelopment Analysis Model for Measuring the Performance of Agility in Supply Chains](#),' *International Journal of Advanced Manufacturing Technology*, Vol. 69, No. 1-4, pp. 291–318.
150. Khalili-Damghani, K., Nojavan, M. and Tavana, M. (2013) '[Solving Fuzzy Multidimensional Multiple-choice Knapsack Problems: The Multi-Start Partial Bound Enumeration Method versus the Efficient Epsilon-Constraint Method](#),' *Applied Soft Computing*, Vol. 13, No. 4, pp. 1627–1638.
151. Hatami-Marbini, A., Tavana, M., Moradi, M. and Kangi, F. (2013) '[A Fuzzy Group Electre Method for Safety and Health Assessment in Hazardous Waste Recycling Facilities](#),' *Safety Science*, Vol. 51, No. 1, pp. 414–426.
152. Khalili-Damghani, K., Sadi-Nezhad, S., Hosseinzadeh Lotfi, F. and Tavana, M. (2013) '[A Hybrid Fuzzy Rule-Based Multi-objective Framework for Sustainable Project Portfolio Selection](#),' *Information Sciences*, Vol. 220, pp. 442–462.
153. Hatami-Marbini, A., Tavana, M., Hajipour, V., Kangi, F. and Kazemi, A. (2013) '[An Extended Compromise Ratio Method for Fuzzy Group Multi-Attribute Decision Making with SWOT Analysis](#),' *Applied Soft Computing*, Vol. 13, No. 8, pp. 3459–3472.
154. Khalili-Damghani, K., Abtahi, A.R. and Tavana, M. (2013) '[A New Multi-Objective Particle Swarm Optimization Method for Solving Reliability Redundancy Allocation Problems](#),' *Reliability Engineering and System Safety*, Vol. 111, pp. 58-75.
155. Hatami-Marbini, A., Tavana, M., Saati, S. and Kangi, F. (2013) '[A Fuzzy Group Linear Programming Technique for Multidimensional Analysis of Preference](#),' *Journal of Intelligent and Fuzzy Systems*, Vol. 25, No. 3, pp. 723-735.
156. Bagloee, S.A., Tavana, M., Ceder, A., Bozic, C. and Asadi, M. (2013) '[A Hybrid Meta-Heuristic Algorithm for Solving Real-Life Transportation Network Design Problems](#),' *International journal of Logistics Systems and Management*, Vol. 16, No. 1, pp. 41-66.
157. Hatami-Marbini, A., Agrell, P.J., Tavana, M. and Emrouznejad, A. (2013) '[A Stepwise Fuzzy Linear Programming Model with Possibility and Necessity Relations](#),' *Journal of Intelligent and Fuzzy Systems*, Vol. 25, No. 1, pp. 81–93.

158. Ghili, S., Nazarian, S., Tavana, M., Keyvanshokouhi, S. and Isaai, M.T. (2013) '[A Complex Systems Paradox of Organizational Learning and Knowledge Management](#),' *International Journal of Knowledge-Based Organizations*, Vol. 3, No. 3, pp. 53–72.

159. Saati, S., Hatami-Marbini, A., Tavana, M. and Agrell, P.J. (2013) '[A Fuzzy Data Envelopment Analysis for Clustering Operating Units with Imprecise Data](#),' *International Journal of Uncertainty, Fuzziness and Knowledge-based Systems*, Vol. 21, No. 1, pp. 29-54.

2012

160. Tavana, M. and Zandi, F. (2012) '[Applying Fuzzy Bi-Dimensional Scenario-Based Model to the assessment of Mars Mission Architecture Scenarios](#),' *Advances in Space Research*, Vol. 49, No. 4, pp. 629–647.

161. Tavana, M., Khanjani Shiraz, R., Hatami-Marbini, A., Agrell, P.J. and Paryab, K. (2012) '[Fuzzy Stochastic Data Envelopment Analysis with Application to Base Realignment and Closure \(BRAC\)](#),' *Expert Systems with Applications*, Vol. 39, No. 15, pp. 12247–12259.

162. Tavana, M., Pirdashti, M., Kennedy, D.T., Belaud, J.P. and Behzadian, M. (2012) '[A Hybrid Delphi-SWOT Paradigm for Oil and Gas Pipeline Strategic Planning in Caspian Sea Basin](#),' *Energy Policy*, Vol. 40, No. 1, pp. 345–360.

163. Tavana, M., Fazlollahtabar, H., and Hajmohammadi, H. (2012) '[Supplier Selection and Order Allocation with Process Performance Index in Supply Chain Management](#),' *International Journal of Information and Decision Sciences*, Vol. 4, No. 4, pp. 329–349.

164. Khalili-Damghani, K., Tavana, M. and Sadi-Nezhad, S. (2012) '[An Integrated Multi-Objective Framework for Solving Multi-Period Project Selection Problems](#),' *Applied Mathematics and Computation*, Vol. 219, No. 6, pp. 3122–3138.

165. Zandi, F. and Tavana, M. (2012) '[A Fuzzy Group Multi-Criteria Enterprise Architecture Framework Selection Model](#),' *Expert Systems with Applications*, Vol. 39, No. 1, pp. 1165–1173.

166. Ghapanchi, A.H., Tavana, M., Khakbaz, M.H. and Low, G. (2012) '[A Methodology for Selecting Portfolios of Projects with Interactions and Under Uncertainty](#),' *International Journal of Project Management*, Vol. 30, No. 7, pp. 791–803.

167. Zandi, F. and Tavana, M. (2012) '[A Fuzzy E-negotiation Support System for Inter-Firm Collaborative Product Development](#),' *International Journal of Computer Integrated Manufacturing*, Vol. 25, No. 8, pp. 671-688.

168. Zandi, F., Tavana, M. and O'Connor, A. (2012) '[A Strategic Cooperative Game-Theoretic Model for Market Segmentation with Application to Banking in Emerging Economies](#),' *Technological and Economic Development of Economy*, Vol. 18, No. 3, pp. 389-423.

169. Tavana, M., Sisti, A.F. and Trevisani, D.A. (2012) '[An Automated Workforce Clustering Method for Business Process Reengineering in Research and Development Organizations](#),' *International Journal of Information Technology Project Management*, Vol. 3, No. 4, pp. 1-20.

170. Tavana, M. and Yousefpoor, N. (2012) '[A Hybrid Strategic Development and Prioritization Model for Information and Communication Technology Enhancement](#),' *International Journal of Operations Research and Information Systems*, Vol. 3, No. 4, pp. 19–40.

171. Hatami-Marbini, A., Tavana, M. and Emrouznejad, A. (2012) '[Productivity Growth and Efficiency Measurements in Fuzzy Environments with an Application to Health Care](#),' *International Journal of Fuzzy System Applications*, Vol. 2, No. 2, pp. 1–35.

172. Bagloee, S.A. and Tavana, M. (2012) '[An Efficient Hybrid Heuristic Method for Prioritizing Large Transportation Projects with Interdependent Activities](#),' *International Journal of Logistics Systems and Management*, Vol. 11, No. 1, pp. 114-142.

173. Hatami-Marbini, A., Tavana, M., Emrouznejad, A. and Saati, S. (2012) '[Efficiency Measurement in Fuzzy Additive Data Envelopment Analysis](#),' *International Journal of Industrial and Systems Engineering*, Vol. 10, No. 1, pp. 1-20.

174. Emrouznejad, A., Rostamy-Malkhalifeh, M., Hatami-Marbini, A. and Tavana, M. (2012) '[General and Multiplicative Non-Parametric Corporate Performance Models with Interval Ratio Data](#),' *Applied Mathematical Modelling*, Vol. 36, No. 11, pp. 5506–5514.
175. Saati, S., Hatami-Marbini, A., Tavana, M. and Hajiakhondi, E. (2012) '[A Two-fold Linear Programming Model with Fuzzy Data](#),' *International Journal of Fuzzy System Applications*, Vol. 2, No. 3, pp. 1-12.
176. Mahdiloo, M., Farzipoor Saen, R. and Tavana, M. (2012) '[A Novel Data Envelopment Analysis Model for Solving Supplier Selection Problems with Undesirable Outputs and Lack of Inputs](#),' *International Journal of Logistics Systems and Management*, Vol. 11, No. 3, pp. 285-305.
177. Azadi, M., Farzipoor Saen, R. and Tavana, M. (2012) '[Supplier Selection Using Chance-Constrained Data Envelopment Analysis with Nondiscretionary Factors and Stochastic Data](#),' *International Journal of Industrial and Systems Engineering*, Vol. 10, No. 2, pp. 167-198.
178. Saati, S., Hatami-Marbini, A., Agrell, P.J. and Tavana, M. (2012) '[A Common Set of Weight Approach Using an Ideal Decision Making Unit in Data Envelopment Analysis](#),' *Journal of Industrial and Management Optimization*, Vol. 8, No. 3, pp. 623-637.
- 2011
179. Tavana, M. and Hatami-Marbini, A. (2011) '[A Group AHP-TOPSIS Framework for Human Spaceflight Mission Planning at NASA](#),' *Expert Systems with Applications*, Vol. 38, No. 11, pp. 13588–13603.
180. Tavana, M., Karbassi Yazdi, A., Shiri, M. and Rappaport, J. (2011) '[An EFQM-REMBRANDT Excellence Model Based on the Theory of Displaced Ideal](#),' *Benchmarking: An International Journal*, Vol. 18, No. 5, pp. 644-667.
181. Tavana, M., Busch, T.E. and Davis, E.L. (2011) '[Fuzzy Multiple Criteria Workflow Robustness and Resiliency Modeling with Petri Nets](#),' *International Journal of Knowledge-Based Organizations*, Vol. 1, No. 4, pp. 72-90.
182. Hatami-Marbini, A. and Tavana, M. (2011) '[An Extension of the Electre I Method for Group Decision-Making under a Fuzzy Environment](#),' *Omega*, Vol. 39, No. 4, pp. 373-386.
183. Zandi, F. and Tavana, M. (2011) '[A Fuzzy Group Quality Function Deployment Model for e-CRM Framework Assessment in Agile Manufacturing](#),' *Computers and Industrial Engineering*, Vol. 61, No. 1, pp. 1-19.
184. Hatami-Marbini, A., Emrouznejad, A. and Tavana, M. (2011) '[A Taxonomy and Review of the Fuzzy Data Envelopment Analysis Literature: Two Decades in the Making](#),' *European Journal of Operational Research*, Vol. 214, No. 3, pp. 457–472.
185. Zandi, F., Tavana, M. and Martin, D. (2011) '[A Fuzzy Group Electre Method for Electronic Supply Chain Management Framework Selection](#),' *International Journal of Logistics Research and Applications*, Vol. 14, No. 1, pp. 35-60.
186. Tavana, M., Busch, T.E. and Davis, E.L. (2011) '[Modeling Operational Robustness and Resiliency with High-level Petri Nets](#),' *International Journal of Knowledge-Based Organizations*, Vol. 1, No. 2, pp. 17-38.
187. Zandi, F. and Tavana, M. (2011) '[A Fuzzy Multi-objective Balanced Scorecard Approach for Selecting the Best e-Business Process Management Practice \(e-BPM^{BP}\)](#),' *Business Process Management Journal*, Vol. 17, No. 1, pp. 147-178.
188. Jafari Songhori, M., Tavana, M., Azadeh, A. and Khakbaz, M.H. (2011) '[A Supplier Selection and Order Allocation Model with Multiple Transportation Alternatives](#),' *International Journal of Advanced Manufacturing Technology*, Vol. 52, No. 1-4, pp. 365–376.
189. Zandi, F. and Tavana, M. (2011) '[An Optimal Investment Scheduling Framework for Intelligent Transportation Systems Architecture](#),' *Journal of Intelligent Transportation Systems*, Vol. 15, No. 3, pp. 115–132.
190. Hatami-Marbini, A., Tavana, M. and Ebrahimi, A. (2011) '[A Fully Fuzzified Data Envelopment Analysis Model](#),' *International Journal of Information and Decision Sciences*, Vol. 3, No. 3, pp. 252-264.

191. Hatami-Marbini, A. and Tavana, M. (2011) '[An Extension of the Linear Programming Method with Fuzzy Parameters](#),' *International Journal of Mathematics in Operational Research*, Vol. 3, No. 1, pp. 44-55.
192. Zandi, F. and Tavana, M. (2011) '[A Fuzzy Goal Programming Model for Strategic Information Technology Investment Assessment](#),' *Benchmarking: An International Journal*, Vol. 18, No. 2, pp. 172-196.
193. Emrouznejad, A., Rostamy-Malkhalifeh, M., Hatami-Marbini, A., Tavana, M. and Aghayi, N. (2011) '[An Overall Profit Malmquist Productivity Index with Fuzzy and Interval Data](#),' *Mathematical and Computer Modelling*, Vol. 54, No. 11-12, pp. 2827-2838.
194. Saati, S., Hatami-Marbini, A. and Tavana, M. (2011) '[Data Envelopment Analysis: An Efficient Duo Linear Programming Approach](#),' *International Journal of Productivity and Quality Management*, Vol. 7, No. 1, pp. 90-103.
195. Hanafizadeh, P., Ghaemi, A. and Tavana, M. (2011) '[Local Perturbation Analysis of Linear Programming with Functional Relation among Parameters](#),' *International Journal of Operations Research and Information Systems*, Vol. 2, No. 1, pp. 42-65.
196. Zandi, F. and Tavana, M. (2011) '[A Strategic Benchmarking Process for Identifying the Best Practice Collaborative Electronic Government Architecture](#),' *International Journal of Information Systems in the Service Sector*, Vol. 3, No. 2, pp. 32-57.
197. Pirdashti, M., Tavana, M., Hassim, M.H., Behzadian, M. and Karimi, I.A. (2011) '[A Taxonomy and Review of the Multiple Criteria Decision Making Literature in Chemical Engineering](#),' *International Journal of Multicriteria Decision Making*, Vol. 1, No. 4, pp. 407-467.
198. Saati, S., Hatami-Marbini, A. and Tavana, M. (2011) '[A Data Envelopment Analysis Model with Discretionary and Non-discretionary Factors in Fuzzy Environments](#),' *International Journal of Productivity and Quality Management*, Vol. 8, No. 1, pp. 45-63.
199. Ghili, S., Shams, H. and Tavana, M. (2011) '[Innovation or Imitation: Some Economic Performance and Social Welfare Policy Perspectives](#),' *International Journal of Information Systems and Social Change*, Vol. 2, No. 3, pp. 48-66.
200. Hatami-Marbini, A., Saati, S. and Tavana, M. (2011) '[Data Envelopment Analysis with Fuzzy Parameters: An Interactive Approach](#),' *International Journal of Operations Research and Information Systems*, Vol. 2, No. 3, pp. 39-53.
- 2010
201. Tavana, M., Sodenkamp, M. and Suhl, L. (2010) '[A Soft Multi-Criteria Decision Analysis Model with Application to the European Union Enlargement](#),' *Annals of Operations Research*, Vol. 181, No. 1, pp. 393-421.
202. Tavana, M. and Sodenkamp, M. (2010) '[A Fuzzy Multi-criteria Decision Analysis Model for Advanced Technology Assessment at Kennedy Space Center](#),' *Journal of the Operational Research Society*, Vol. 61, No. 10, pp. 1459-1470.
203. Tavana, M. and O'Connor, A. (2010) '[An Integrated Strategic Benchmarking Model for Assessing International Alliances with Application to NATO Membership Enlargement](#),' *Benchmarking: An International Journal*, Vol. 17, No. 6, pp. 791-806.
204. Tavana, M., Sodenkamp, M.A. and Pirdashti, M. (2010) '[A Fuzzy Opportunity and Threat Aggregation Approach in Multicriteria Decision Analysis](#),' *Fuzzy Optimization and Decision Making*, Vol. 9, No. 4, pp. 455-492.
205. Zandi, F. and Tavana, M. (2010) '[A Hybrid Fuzzy Real Option Analysis and Group Ordinal Approach for Knowledge Management Strategy Assessment](#),' *Knowledge Management Research and Practice*, Vol. 8, No. 3, pp. 216-228.
206. Tavana, M., Bourgeois, B.S. and Rappaport, J. (2010) '[An Efficient Multi-Vehicle Multi-Criteria Mission Planning and Control System for Autonomous Underwater Vehicles](#),' *International Journal of Operational Research*, Vol. 9, No. 3, pp. 306-328.
207. Shokouhi, A.H., Hatami-Marbini, A., Tavana, M. and Saati, S. (2010) '[A Robust Optimization Approach for Imprecise Data Envelopment Analysis](#),' *Computers and Industrial Engineering*, Vol. 59, No. 3, pp. 387-397.

208. Zandi, F. and Tavana, M. (2010) '[A Group Evidential Reasoning Approach for Enterprise Architecture Framework Selection](#),' *International Journal of Information Technology and Management*, Vol. 9, No. 4, pp. 468-483.
209. Hatami-Marbini, A., Saati, S. and Tavana, M. (2010) '[An Ideal-Seeking Fuzzy Data Envelopment Analysis Framework](#),' *Applied Soft Computing*, Vol. 10, No. 4, 1062–1070.
210. Zandi, F. and Tavana, M. (2010) '[A Multi-Attribute Group Decision Support System for Information Technology Project Selection](#),' *International Journal of Business Information Systems*, Vol. 6, No. 2, pp. 179-199.
211. Tavana, M. and Bourgeois, B.S. (2010) '[A Multiple Criteria Decision Support System for Autonomous Underwater Vehicle Mission Planning and Control](#),' *International Journal of Operational Research*, Vol. 7, No. 2, pp. 216-239.
212. Khakbaz, M.H., Ghapanchi, A.H. and Tavana, M. (2010) '[A Multicriteria Decision Model for Supplier Selection in Portfolios with Interactions](#),' *International Journal of Services and Operations Management*, Vol. 7, No. 3, pp. 351-377.
213. Zandi, F. and Tavana, M. (2010) '[An Optimisation Model for Traffic Distribution Forecasting in Packet-Switching Networks](#),' *International Journal of Mathematics in Operational Research*, Vol. 2, No. 5, pp. 515-539.
- 2009
214. Tavana, M., Bourgeois, B.S. and Sodenkamp, M. (2009) '[Fuzzy Multiple Criteria Base Realignment and Closure \(BRAC\) Benchmarking System at the Department of Defense](#),' *Benchmarking: An International Journal*, Vol. 16, No. 2, pp. 192-221.
215. Tavana, M., Bailey, M.D. and Busch, T.E. (2009) '[Dynamic Air Tasking Evaluation in a Simulated Network-Centric Battlespace](#),' *International Journal of Operational Research*. Vol. 5, No. 1, pp. 1-25.
216. Tavana, M., Khakbaz, M.H. and Jafari-Songhori, M. (2009) '[Information Technology's Impact on Productivity in Conventional Power Plants](#),' *International Journal of Business Performance Management*. Vol. 11, No. 3, pp. 187-202.
- 2008
217. Tavana, M. (2008) '[Fahrenheit 59: An Environmental Decision Support System for Benchmarking Global Warming at Johnson Space Center](#),' *Benchmarking: An International Journal*, Vol. 15, No. 3, pp. 307-325.
218. Tavana, M. (2008) '[Knowledge-Based Expert System Development and Validation with Petri Nets](#),' *Journal of Information & Knowledge Management*, Vol. 7, No. 1, pp. 37-46.
219. Tavana, M., LoPinto, F., and Smither, J.W. (2008) '[Examination of the Similarity Between a New Sigmoid Function-Based Consensus Ranking Method and Four Commonly-Used Algorithms](#),' *International Journal of Operational Research*, Vol. 3, No. 4, pp. 384-398.
220. Tavana, M. (2008) '[Dynamic Process Modeling using Petri Nets with Applications to Nuclear Power Plant Emergency Management](#),' *International Journal of Simulation and Process Modeling*, Vol. 4, No. 2, pp. 130-138.
221. Tavana, M., Bailey, M.D. and Busch, T.E. (2008) '[A Multi-Criteria Vehicle-Target Allocation Assessment Model for Network-Centric Joint Air Operations](#),' *International Journal of Operational Research*, Vol. 3, No. 3, pp. 235-254.
- 2007
222. Tavana, M., Joglekar, P. and Redmond, M. (2007) '[An Automated Entity-Relationship Clustering Algorithm for Conceptual Database Design](#),' *Information Systems*, Vol. 32, No. 5, pp. 773-792.
223. Tavana, M., Smither, J.W. and Anderson, R.V. (2007) '[D-Side: A Facility and Workforce Planning Group Multi-criteria Decision Support System for Johnson Space Center](#),' *Computers and Operations Research*, Vol. 34, No. 6, pp. 1646-1673.
224. Tavana, M. (2007) '[A Threat-Response Multi-Criteria Funding Model for Homeland Security Grant Programs](#),' *International Transactions in Operational Research*, Vol. 14, No. 4, pp. 267–290.
225. Tavana, M., LoPinto, F. and Smither, J.W. (2007) '[A Hybrid Distance-Based Ideal-Seeking Consensus Ranking Model](#),'

Journal of Applied Mathematics and Decision Sciences, Vol. 11, pp. 1-18.

2006

226. Tavana, M. (2006) '[A Priority Assessment Multi-criteria Decision Model for Human Spaceflight Mission Planning at NASA](#),' *Journal of the Operational Research Society*, Vol. 57, No. 10, pp. 1197-1215.
227. Tavana, M. and Kennedy, D. (2006) '[N-SITE: A Distributed Consensus Building and Negotiation Support System](#),' *International Journal of Information Technology and Decision Making*, Vol. 5, No. 1, pp. 123-154.
228. Joglekar, P., Tavana, M. and Rappaport, J. (2006) '[A Comprehensive Set of Models of Intra- and Inter-Organisational Coordination for Marketing and Inventory Decisions in a Supply Chain](#),' *International Journal of Integrated Supply Management*, Vol. 2, No. 3, pp. 251-284.
229. Bailey, M.D., Tavana, M. and Busch, T.E. (2006) '[Communication Role Allocation for Joint Air Operations in a Network-Centric Environment](#),' *International Journal of Computer Science and Network Security*, Vol. 6, No. 12, pp. 165-170.

2004

230. Tavana, M. (2004) '[Intelligent Flight Support System \(IFSS\): A Real-time Intelligent Decision Support System for Future Manned Spaceflight Operations at Mission Control Center](#),' *Advances in Engineering Software*, Vol. 35, No. 5, pp. 301-313.
231. Tavana, M. (2004) '[A Subjective Assessment of Alternative Mission Architectures for the Human Exploration of Mars at NASA Using Multicriteria Decision Making](#),' *Computers and Operations Research*, Vol. 31, No. 7, pp. 1147-1164.
232. Tavana, M. (2004) '[Quest 123: A Benchmarking System for Technology Assessment at NASA](#),' *Benchmarking: An International Journal*, Vol. 11, No. 4, pp. 370-384.

2003

233. Tavana, M. (2003) '[CROSS: A Multicriteria Group-Decision-Making Model for Evaluating and Prioritizing Advanced-Technology Projects at NASA](#),' *Interfaces*, Vol. 33, No. 3, pp. 40-56.
234. Tavana, M., Ortiz, J. and Torney, S. (2003) '[Modeling Station Duty Officer Operations Assistant at Johnson Space Center](#),' *Advances in Engineering Software*, Vol. 34, No. 3, pp. 139-162.
235. Tavana, M., Mohebbi, B. and Kennedy, D. (2003) '[Total Quality Index: A Benchmarking Tool for Total Quality Management](#),' *Benchmarking: An International Journal*, Vol. 10, No. 6, pp. 507-527.
236. Kennedy, D., Tavana, M., Leaby, B. and Ugras, J. (2003) '[An Investigation of the Relative Importance of the Characteristics of Information in Governmental Financial Reporting](#),' *Business Journal*, Vol. 19, No. 1-2, pp. 56-62.

2002

237. Tavana, M. (2002) '[Euclid: Strategic Alternative Assessment Matrix](#),' *Journal of Multi-Criteria Decision Analysis*, Vol. 11, No. 2, pp. 75-96.

2001

238. Joglekar, P., Chung, Q. and Tavana, M. (2001) '[Note on a Comparative Evaluation of Nine Well-Known Algorithms for Solving the Cell Formulation Problem in Group Technology](#),' *Journal of Applied Mathematics and Decision Sciences*, Vol. 5, No. 4, pp. 253-267.

1998

239. Tavana, M., Chung, Q. B. and Kennedy, D. (1998) '[Rho: A Decision Support System for Pricing in Law Firms](#),' *Information and Management*, Vol. 33, No. 3, pp. 155-165.

1997

240. Tavana, M. and Rappaport, J. (1997) '[Optimal Allocation of Arrivals to a Collection of Parallel Workstations](#),' *International Journal of Operations and Production Management*, Vol. 17, No. 3, pp. 305-325.
241. Tavana, M., Kennedy, D. and Mohebbi, B. (1997) '[An Applied Study Using the Analytic Hierarchy Process to Translate Common Verbal Phrases to Numerical Probabilities](#),' *Journal of Behavioral Decision Making*, Vol. 10, No. 2, pp. 133-150.

1996

242. Tavana, M., Kennedy, D. and Joglekar, P. (1996) '[A Group Decision Support Framework for Consensus Ranking of Technical Manager Candidates](#),' *Omega*, Vol. 24, No. 5, pp. 523-538.

1995

243. Tavana, M. and Banerjee, S. (1995) '[Strategic Assessment Model \(SAM\): A Multiple Criteria Decision Support System for Evaluation of Strategic Alternatives](#),' *Decision Sciences*, Vol. 26, No. 1, pp. 119-143.
244. Tavana, M. and Banerjee, S. (1995) '[Evaluating Strategic Alternatives: An Analytical Model](#),' *Computers and Operations Research*, Vol. 22, No. 7, pp. 731-743.
245. Kennedy, D., Ugras, J., Leaub, B. and Tavana, M. (1995) '[An Investigation of the Relative Importance Attached to the Qualitative Characteristics in the SFAC 2 Hierarchy](#),' *Accounting Enquiries*, Vol. 4, No. 2, pp. 249-288.

1994

246. Tavana, M., Lee, P. and Joglekar, P. (1994) '[The Development and Validation of a Campus Recruiting Expert System Using Expert Opinion and Historical Data](#),' *Expert Systems with Applications*, Vol. 7, No. 2, pp. 305-321.
247. Tavana, M. and Banerjee, S. (1994) '[A Case Study in Multiple Criteria Decision Support System](#),' *Journal of International Information Management*, Vol. 3, Special Edition, pp. 41-70.
248. Joglekar, P., Tavana, M. and Banerjee, S. (1994) '[A Clustering Algorithm for Identifying Information Subsystems](#),' *Journal of International Information Management*, Vol. 3, Special Edition, pp. 129-141.

1993

249. Tavana, M., Kennedy, D., Rappaport, J. and Ugras, J. (1993) '[An AHP-Delphi Group Decision Support System Applied to Conflict Resolutions in Hiring Decisions](#),' *Journal of Management Systems*, Vol. 5, No. 1, pp. 49-74.

1992

250. Tavana, M., Kennedy, D. and Mohebbi, C. (1992) '[A Comparison Between Full-Function and Limited-Function CASE Tools in Systems Analysis and Design](#),' *Interface*, Vol. 14, No. 3, pp. 41-47.

1990

251. Tavana, M. and Mohebbi, C. (1990) '[A Comparison of DSS/ES Teaching Strategies: Conceptual vs. Interactive Approaches](#),' *Interface*, Vol. 12, No. 3, pp. 20-23.

1984

252. Lusk, E. J., Neves, J. and Tavana, M. (1984) '[An Investigation of the AHP Judgment Rendering Process](#),' *Journal of Organizational Behavior and Statistics*, Vol. 1, No. 2-4, pp. 133-147.

BOOKS

1. Tavana, M. and Patnaik, S. (Editors) (2018) '[Recent Developments in Data Science and Business Analytics](#),' Switzerland: Springer International Publishing.
2. Patnaik, S., Yang, X.S., Tavana, M., Popentiu-Vlădicescu, F. and Qiao, F. (Editors) (2018) '[Digital Business: Business Algorithms, Cloud Computing and Data Engineering](#),' Switzerland: Springer International Publishing.
3. Tavana, M. (Editor) (2017) '[Enterprise Information Systems and the Digitalization of Business Functions](#),' Hershey, Pennsylvania: IGI Global.
4. Tavana, M., Szabat, K. and Puranam, S. (Editors) (2017) '[Organizational Productivity and Performance Measurements Using Predictive Modeling and Analytics](#),' Hershey, Pennsylvania: IGI Global.
5. Tavana, M. and Puranam, S. (Editors) (2015) '[Handbook of Research on Organizational Transformations through Big Data Analytics](#),' Hershey, Pennsylvania: IGI Global.
6. Tavana, M., Ghapanchi, A.H. and Talaei-Khoei, A. (Editors) (2015) '[Healthcare Informatics and Analytics: Emerging Issues and Trends](#),' Hershey, Pennsylvania: IGI Global.

7. Tavana, M. (Editor) (2014) '[Analytical Approaches to Strategic Decision-Making: Interdisciplinary Considerations](#),' Hershey, Pennsylvania: IGI Global.
8. Emrouznejad, A. and Tavana, M. (Editors) (2014) '[Performance Measurement with Fuzzy Data Envelopment Analysis](#),' Studies in Fuzziness and Soft Computing, Berlin: Springer-Verlag.
9. Tavana, M. (Editor) (2014) '[Developing Business Strategies and Identifying Risk Factors in Modern Organizations](#),' Hershey, Pennsylvania: IGI Global.
10. Tavana, M. (Editor) (2013) '[Management Theories and Strategic Practices for Decision Making](#),' Hershey, Pennsylvania: IGI Global.
11. Tavana, M. (Editor) (2013) '[Competition, Strategy, and Modern Enterprise Information Systems](#),' Hershey, Pennsylvania: IGI Global.
12. Tavana, M. (Editor) (2012) '[Decision Making Theories and Practices from Analysis to Strategy](#),' Hershey, Pennsylvania: IGI Global.
13. Tavana, M. (Editor) (2012) '[Enterprise Information Systems and Advancing Business Solutions: Emerging Models](#),' Hershey, Pennsylvania: IGI Global.
14. Tavana, M. (Editor) (2011) '[Managing Adaptability, Intervention, and People in Enterprise Information Systems](#),' Hershey, Pennsylvania: IGI Global.

BOOK CHAPTERS

1. Emrouznejad, A., Tavana, M. and Hatami-Marbini, A. (2014), '[The State of the Art in Fuzzy Data Envelopment Analysis](#),' In A. Emrouznejad and M. Tavana (Editors), *Performance Measurement with Fuzzy Data Envelopment Analysis*, published in Studies in Fuzziness and Soft Computing (309), pp. 1-45, Berlin: Springer-Verlag.
2. Szabat, K. and Tavana, M. (2009), '[Futurescope 2020: Global Management Support Systems in the Knowledge Age](#),' In A. O'Connor (Editor), *Managing, Trade, Economics and International Business*, pp. 332-342, United Kingdom: Palgrave Macmillan Publications.

PROCEDIA PUBLICATIONS

1. Di Caprio, D., Santos-Arteaga, F.J. and Tavana, M. (2016) '[Self-Organizing Social Networks by Preference Similarity and the Networking Capacity of their Users](#),' *Procedia Computer Science*, Vol. 83, pp. 496-503.

EDITORIALS

1. Antucheviciene, J., Tavana, M., Nilashi, M. and Bausys, R. (2017). '[Managing Information Uncertainty and Complexity in Decision-Making](#),' *Complexity*, vol. 2017, pp. 1-3.
2. Tavana, M. (2014). '[Editorial](#),' *Decision Analytics*, Vol. 1, No. 1, pp. 1-2.
3. Tavana, M. (2008). '[The Art of Decision Sciences](#),' *International Journal of Applied Decision Sciences*, Vol. 1, No. 1, pp. 1-2.

OTHER PUBLICATIONS

1. Tavana, M. (October 2007). '[Alpha Iota Delta launches the International Journal of Applied Decision Sciences \(IJADS\)](#)' *Decision Line*, Vol. 38, No. 5, p. 31.
2. Tavana, M. (October 2006) '[Why Alpha Iota Delta?](#)' *Decision Line*, Vol. 37, No. 5, pp. 21, 35.
3. Tavana, M. (March 2006) '[Information Technology Crunch: Alpha Iota Delta Can Help](#),' *Decision Line*, Vol. 37, No. 2, p.



30.

4. Tavana, M. (January 2006) '[Saint Joseph's University Awarded New Alpha Iota Delta Chapter](#),' *Decision Line*, Vol. 37, No. 1, pp. 14-15.

EDITORSHIPS

- Editor-in-Chief, [International Journal of Applied Decision Sciences](#) (2007 to Present)
- Editor-in-Chief, [International Journal of Management and Decision Making](#) (2012 to Present)
- Editor-in-Chief, [International Journal of Communication Networks and Distributed Systems](#) (2018 to Present)
- Editor-in-Chief, [International Journal of Knowledge Engineering and Data Mining](#) (2015 to Present)
- Editor-in-Chief, [International Journal of Strategic Decision Sciences](#) (2008 to Present)
- Editor-in-Chief, [International Journal of Enterprise Information Systems](#) (2010 to Present)
- Editor-in-Chief, IGI Global: [Advances in Business Information Systems and Analytics Book Series](#) (2012 to Present)
- Editor-in-Chief, [Decision Analytics](#) (2012 to 2018)

CONFERENCE COMMITTEES

- Keynote Speaker, First International Conference on Intelligent and Interactive Systems and Applications (Shanghai, China, 2016)
- General Chair, First International Conference on Data Science and Business Analytics (Changsha, China, 2017)
- General Chair, Second International Conference on Intelligent and Interactive Systems and Applications (Beijing, China, 2017)
- General Chair, Third International Conference on Intelligent and Interactive Systems and Applications (Hong Kong, China, 2018)
- General Chair, Second International Conference on Data Science and Business Analytics (Changsha, China, 2018)

ORGANIZATIONAL OFFICERSHIPS

- President, Alpha Iota Delta Honors Society – The International Honor Society in the Decision Sciences and Information Systems (2009 to 2011)
- First Vice-President, Alpha Iota Delta Honors Society – The International Honor Society in the Decision Sciences and Information Systems (2007-2008)
- Second Vice-President, Alpha Iota Delta Honors Society – The International Honor Society in the Decision Sciences and Information Systems (2005-2006)

INVENTIONS

Tavana, M. 'Software Analysis Tool Integrating Data Flow Diagrams and Petri Nets,' *NASA Registered Invention Number: MSC-23242-1-SB, NASA Contract Number NAS9-00031.*

SOFTWARE DEVELOPMENT

- [D-cide©](#): An Influence Diagramming-Based Decision Support System
- [D-code©](#): A Natural Language Programming-Based Decision Support System
- [B-wise©](#): A Rule-Based Expert System
- [N-gage©](#): Multi-criteria Decision Making
- Strategic Assessment System©: A Strategic Decision Support System
- Clust-ER©: An Entity-Relationship Clustering System

DOCTORAL DISSERTATION COMMITTEES

1. Ms. Alka Arya, *Development of Some DEA Models in Uncertain Environments with Applications to Health Sector*, Indian Institute of Technology, Roorkee, India (2018)

2. Joby George, *Evaluation of Inventory Control Policies and Bullwhip Effect Mitigation Strategies in Supply Chains*, National Institute of Technology, Calicut, India (2018).
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8. S.V. Nagabhushan, *Design and Development of Multi-Attribute Auction based E-Procurement Model*, Visvesvaraya Technological University, India (2017).
9. Ehsan Shekarian, *Forward and Backward Fuzzy Economic Order Quantity Models Considering Learning Theory*, University of Malaya, Malaysia (2017).
10. M.N. Anish, *Development and Application of An Instrument for Measuring Service Quality Offered to International Patients*, National Institute of Technology Calicut, India (2017).
11. Morteza Yazdani, *A Comparative Applied Comparison of the Multi-Attribute Decision Making methods*, Universidad Europea, Spain (2016).
12. Sunil Tiwari, *Inventory Strategies for Deteriorating Items in Two Warehouse System*, University of Delhi, India (2016).
13. Alireza Fallahpour, *Development of Decision Making Model for Sustainable Supplier Selection in Manufacturing Industry*, University of Malaya, Malaysia (2016).
14. Anuj Kumar Sharma, *Inventory Decisions under Fuzzy Environment with Different Credit Terms*, University of Delhi, India (2016).
15. Sajjan T. John, *Reverse Logistics Network Design: Mathematical Modelling and Analysis*, National Institute of Technology Calicut, India (2015).
16. S. Senthil, *Analysis of Decision Problems in Reverse Logistics Networks Using Hybrid Multi-Criteria Decision Making Methods*, National Institute of Technology Calicut, India (2014).
17. O.N. Arunkumar, *Analysis of the factors affecting working capital management of Indian manufacturing firms*, National Institute of Technology Calicut, India (2014).
18. Kunal Kanti Ghosh, *Offshore Outsourcing of Automotive Design Services in India*, Indian Institute of Technology Kharagpur, India (2014).
19. Hosein Khakbaz, *A Two-Phase Stochastic Programming Based Approach for Container Coordination Management in a Shipping Networks under Uncertainty*, University of Sydney, Australia (2014).
20. C.R. Shiyas, *Development and Analysis of Cell Heterogeneity-Based Models for the Design of Cellular Manufacturing Systems*, National Institute of Technology Calicut, India (2014).
21. Surathkal Raghunandhan, *Strategic Management in Centrally Funded Technical Institutions in India*, National Institute of Technology Karnataka, India (2014).
22. Mariya Sodenkamp, *Models, Methods and Applications of Group Multiple-criteria Decision Analysis in Complex and Uncertain Systems*, University of Paderborn, Paderborn, Germany (2013).
23. Varaprasad Garapati, *A Study on Consumer Adoption of Self-Service Technologies in Banking*, National Institute of Technology Calicut, India (2013).
24. Prasant Rout, *A Strategic Analysis of Implementation and Usage Effectiveness of Enterprise Information Systems in Indian Organisations*, Indian Institute of Technology Kharagpur, India (2013).
25. Hamed Jafarzadeh, *What Forms the Decision of Business to Exploit Search Engine Advertising*, University of New South Wales, Sydney, Australia (2012).
26. Mandeep Mittal, *Inventory Management with Inspection and Trade Credit*, University of Delhi, Delhi, India (2012).
27. Le Cong Tru, *A Risk Management Framework for Aquaculture: The Case of Vietnamese Catfish Farming*, RMIT University, Melbourne, Australia (2011).
28. Amirhossein Ghapanchi, *Dynamic Capabilities and Project Characteristics Contributing to the Success of Open Source Software Projects*, University of New South Wales, Sydney, Australia (2011).
29. Aditi Khanna nee Aditi Goswami, *Investigating the Impact of Inflation on Inventory Policies*, University of Delhi, Delhi, India (2010).
30. Kevin K.H. Leung, *An Investigation of Artificial Immune Systems and Variable Selection Techniques for Credit Scoring*, RMIT University, Melbourne, Australia (2009).
31. Barbara J. Mohebbi, *Implementing a Total Quality Index within Health Care Organizations*. The Wharton School, University of Pennsylvania, Philadelphia, Pennsylvania (1998).



EXTERNAL REVIEWER

- University of Jyväskylä - Faculty of Information Technology (Finland) (2017)
- Universiti Sains Malaysia - School of Mathematical Sciences (Malaysia) (2017)
- Illinois Institute of Technology - Stuart School of Business (USA) (2015)
- Sultan Qaboos University - College of Economics and Political Science (Oman) (2013)
- Stevens Institute of Technology - Howe School of Technology Management (USA) (2012)
- Saint Joseph's University - Haub School of Business (USA) (2012)
- Pennsylvania State University - Smeal College of Business (USA) (2012)
- Yarmouk University - College of Information Technology and Computer Sciences (JORDAN) (2012)
- Saint Joseph's University - Haub School of Business (USA) (2011)
- Carnegie Mellon University - Tepper School of Business (USA) (2010)

AWARDS

- Space Act Award, National Aeronautics and Space Administration, Lyndon B. Johnson Space Center (2005)
- John Abbott Award, American Production and Inventory Control Society (1988)

HONORS

- Alpha Iota Delta Honors Society – The International Honor Society in the Decision Sciences and Information Systems (Inducted April 2003)
- Beta Gamma Sigma Honors Society - The International Honor Society in Business Administration (Inducted April 1999)

GRANTS

- State of Pennsylvania - Department of Education (Link-to-Learn Grant) (2002-2003): \$183,334
- Kemper Foundation Grants (1993, 1994, 1995, 1996, 1997, and 1998)
- Ben Franklin Partnership Grant (1988)
- PEW Foundation Grants (1985 and 1986)

GOVERNMENT RESEARCH GRANTS/SBIR CONTRACS

- United States Air Force - Air Force Research Lab - Principal Investigator (Fall 2013)
Fuzzy Risk Analysis Model for Assessing Availability and Integrity in Command and Control Systems
Contract Number: FA8750-13-2-0115
- United States Air Force - Air Force Research Lab - Principal Investigator (Fall 2012)
Fuzzy Robustness and Resiliency Assessment in Integrated Command and Control Systems
Contract Number: FA8750-11-2-0218
- United States Air Force - Air Force Research Lab - Principal Investigator (Fall 2010)
Fuzzy Workflow Management Modeling with Petri Nets
Contract Number: FA8750-09-2-0157
- United States Navy - Naval Research Lab - Stennis Space Center - Principal Investigator (2008-09)
Autonomous Underwater Vehicle Mission Planning and Control
Contract Number: N00173-08-P-6201 NRL
- NASA - Johnson Space Center - Principal Investigator (2003-04)
Intelligent Flight Support System (IFSS): A Real-Time Intelligent Decision Support Prototype
Small Business Innovation Research (SBIR) Contract Number: 03-1-F6.02-8365 JSC
- NASA - Johnson Space Center - Principal Investigator (1999-00)
Software Tool for Designing and Evaluating Petri Nets
Small Business Innovation Research (SBIR) Contract Number: 99-1-11.01-6241 JSC
- NASA - Johnson Space Center Director Grant (1999-2000)



SELECTED CONSULTING ACTIVITIES

- Johnson Space Center, Houston, Texas
- Naval Research Lab, Stennis Space Center, Mississippi
- Air Force Research Lab, Rome, New York
- ITT Defense Communication Systems, Clifton, New Jersey
- HPN Software Consultants, Houston, Texas
- S&K Electronics, Ronan, Montana
- Crown Cork and Seal, Philadelphia, Pennsylvania
- Prudential Securities, New York, New York
- Philadelphia Bar Association, Philadelphia, Pennsylvania
- Philadelphia Association for Clinical trials, Philadelphia, Pennsylvania
- Lomas and Nettleton Company, Philadelphia, Pennsylvania

ORGANIZATIONAL MEMBERSHIPS

- Decision Sciences Institute (DSI)
- Institute for Operations Research and Management Science (INFORMS)
- Association for Information Systems (AIS)

NATIONAL SCIENCE FOUNDATION ACTIVITIES

National Science Foundation (June 2009)
Member of the Reviewer Board
Information and Intelligent Systems: Dynamic Systems I – Open Loop

COURSES TAUGHT (EXECUTIVE, GRADUATE AND UNDERGRADUATE)

La Salle University:

- Information Technology for Decision Making (MBA-820)
- Operational, Tactical, and Strategic Information Systems (EMBA-920)
- Decision Support and Expert Systems (MIS-385 & MIS-785)
- Systems Analysis and Design (MIS-410 & MIS-710)
- Effective and Efficient Management of Operations (BUS-304 & MBA-625)
- Emerging Trends in Information Technology (MIS 405 & MIS-705)
- Information System capstone (MIS-480)
- Database Management Systems (MIS-420 & MIS-720)
- Enterprise Resource Planning (MIS-435)
- Management Information Systems (BUS-205)
- Systems Development and Implementation (MIS-411)

Rutgers University:

- Quantitative Skills (53:135:502)
- Computer and Information Systems (22-198-604)
- Information Technology and Project Management (52-623-302)

Drexel University:

- Human Computer Interaction/User Interface Design (L103)
- Introduction to Systems Analysis (L512)

Arcadia University:

- Management of Technology (BA-569)
- Operations Effectiveness (BA-667)

OTHER ACCOMPLISHMENTS

- Third Degree Black Belt, World Tae Kwon Do Federation, Seoul, Korea, January 2001.
- Second Degree Black Belt, World Tae Kwon Do Federation, Seoul, Korea, April 1993.
- First Degree Black Belt, World Tae Kwon Do Federation, Seoul, Korea, December 1988.

PERSONAL

U. S. Citizen, Married, Two Children.