

Professor Nezameddin Faghih

The Chairholder,
UNESCO Chair in Entrepreneurship
Faculty of Entrepreneurship
University of Tehran

Education

- Ph.D. in Mechanical Engineering (Stochastic Systems), 1980, Surrey University
- M.Sc. in Mechanical Engineering (Control Systems), 1977, Surrey University
- B.Sc. in Mechanical Engineering (Control Systems), 1976, Surrey University

Awards

- Nationwide Distinguished Academic Award (Hall of Fame), 2002.
- Award for International Academic Collaborations, 2012
- Distinguished Researcher Award, 1999, 2000, 2002, 2005, 2006, 2007, 2008.
- Distinguished Researcher Award (in the Province of Fars), 2000.
- Excellence in Research Award, 1995, 1998.
- Book of the Year Award, 1990.

International Recognition

- UNESCO Chair in Entrepreneurship
- Global Entrepreneurship Monitor (GEM), GEM-Iran Team Representative
- Global Entrepreneurship Monitor (GEM), Research Committee
- Global Entrepreneurship Monitor (GEM), Research and Innovation Advisory Committee
- Who's who in the World, USA
- Who's who in Finance and Industry, USA
- Who's who in Science and Engineering, USA
- Asian/ American Who's Who, India.
- Fourteen Professional Memberships and Fellowships including:
 - The New York Academy of Sciences
 - Scientists Without Borders
 - Institute of Industrial Engineers (USA)
 - American Mathematical Society
 - SIAM: Society for Industrial and Applied Mathematics
 - History of Science Society (USA)
 - The OR Society - Operational Research (UK)
 - Forever Surrey - University of Surrey

Scholarly Journals

- Founding Editor-in-Chief, Journal of Global Entrepreneurship Research, a Springer Journal
- Founding Editor-in-Chief, Iranian Journal of Information Science and Technology (IJIST)
- Editorial Board, the Journal of Entrepreneurship Development
- Editorial Board, the Journal of Industrial Management
- Editorial Board, the Journal of Technology Management
- Editorial Board, Iranian Journal of Management Sciences
- Editorial Board, Shiraz University Journal of Human and Social Sciences (SUJHSS)

Executive Experiences

- Vice Dean for Faculty Research, Shiraz University.
- Founding Chairman of the Center for Academic & Professional Ethics, Shiraz University.
- Head of Department, Shiraz University.
- Chairman of the Main Library, Shiraz University.
- Faculty Promotion Board, Shiraz University.
- Chairman, Iranian Research Organization for Science and Technology.
- Founding Board of the Iranian Society for Entrepreneurship.
- Faculty Research Committee, Shiraz University.
- Education Committee, Shiraz University.
- Welfare Committee, Shiraz University.
- Editorial Board of Technical and Academic Journals.

Research Interests

- Globalization
- Innovation and Entrepreneurship Dynamics
- Applications of Systems Approaches to Human Systems.
- Rumi Studies
- Ethics, History and Philosophy of Science

Selected Publications

Books

- Faghih, N. et al, "Maintenance Planning", Samt Publications, 2013.
- Faghih, N. & A.E. Zadeh, "Fuzzy Control in Maintenance Planning", Navid Publications, 2010.
- Faghih, N. & A. Faghih, "Rumi and Modern Scientific Views", Xlibris, 2007.
- Faghih, N. & M. Loghavi, "Fuzzy Fractal Quality Control", Rokhshid Publications, 2007.
- Faghih, N. & M.A. Hamed, "Quality and Reliability Engineering", Farassan Industries Publications, 2007.
- Faghih, N. & F.A. Yuli, "Fuzzy Controllers in Intelligent Material Control Systems", Rokhshid Publications, 2007.
- Faghih, N. & F.A. Yuli, "Fuzzy Logic in Multiple Choice Tests", Rokhshid, 2007.
- Faghih, N. & F.A. Yuli, "European Quality Management", Farassan Industries, 2007.
- Faghih, N. & N. Abtahi, "Self-Assessment in European Quality Management", Farassan Industries Publications, 2007.

Books (Continued)

- Faghih, N. & M. Sazegar, "Improving Management in Urban Water Supply", Rokhshid Publications, 2007.
- Faghih, N. & F. Ameli, "Total Industrial Safety", Farassan Industries Publications, 2007.
- Faghih, N. & E. V. Nasab, "Energy Consumption Forecast by Time Series", Farassan Industries Publications, 2007.
- Faghih, N. & A.R. Atefatdoost, "Production Line Halt: Prediction by Artificial Intelligence (Application of Neural Networks)", Zar Publications, 2005.
- Faghih, N., "A Cryptography of Change and Development in Human Systems", Navid Publications, 2005.
- Faghih, N. & Y. Najafi, "Fuzzy Reliability in Industrial Systems", Farabard Industries Publications, 2004.
- Faghih, N. & N. Nobari, "Fuzzy Quality Control", Farassan Industries Publications, 2004.
- Faghih, N. & A.T. Nejad, "Aggregate Production Planning", Farassan Industries, 2004.
- Faghih, N. & M.A. Hamed, "Management and Organization", Farassan Ind. Pub., 2004.
- Faghih, N. & A. Honarvar, "Genetic Algorithms in Planning Preventive Inspections", Farabard Industries Publications, 2004.
- Faghih, N. & S.G.H. S. Rafiee, "Improving Operations Management", Zar Pub., 2004.
- Faghih, N. & H.R. Sedaghat, "Fuzzy Logic and Traffic Culture", Farassan Ind., 2004.
- Faghih, N. & M.A. Fazeli., "Computer Integrated Manufacturing", Navid, 2004.
- Faghih, N., "Chaos and Fractals in Dynamic Systems", University of Technology, 2003.
- Faghih, N., "Dynamic Systems: Principles and Identification", Samt Publications, 2003.
- Faghih, N., "On the Transfer of Science and Technology", Navid Publications, 2000.
- Faghih, N., "Fundamentals of System Simulations", Navid Publications, 1999.
- Faghih, N., "Control Systems", Navid Publications, 1999.
- Faghih, N., "Statistical Quality Control", Samt Publications, 1998.
- Faghih, N., "Occupational Stresses: Control and Management", Kusha Mehr, 1997.
- Faghih, N., "Love and the Entity", Navid, 1997.
- Faghih, N., "Science the Mathnawi of Maulawi", Navid, 1992.
- Faghih, N., "Maintenance Engineering", Navid, 1989, (Book of the Year Award).
- Faghih, N., "Elastohydrodynamic Lubrication in Human Joints", IROST, 1983. .

Selected Articles

- Faghih, N. and Javanmardi, E., "Sports Entrepreneurship: A Dynamic Model of the Fundamental Economic Factors in the English Premier League", Accepted (to be published 2015).
- Seyyedamiri, N. and Faghih, N., "Studying Entrepreneurial Marketing for Information Technology SMEs Based on the Classic Grounded Theory", Accepted (to be published 2015).
- Faghih, N. and Sarfaraz, L., "Dynamics of Innovation in Qatar and its Transition to Knowledge-Based Economy: Relative Strengths and Weaknesses", QScience Connect, 23, 2014 (ISSN: 2223-506X).

Selected Articles (Continued)

- Sarfaraz, L., Faghih, N. and Asadi Majd, A., “The Relationship between Women Entrepreneurship and Gender Equality”, *Journal of Global Entrepreneurship Research*, 2:6, 2014 (DOI: 10.1186/2251-7316-2-6).
- Sarfaraz, L. and N. Faghih, “Women's Entrepreneurship in Iran: A GEM Based Data Evidence”, *Journal of Global Entrepreneurship Research*, 1:1, 2012, pp. 9–28.
- Yadegar, A., A. Bazargan and N. Faghih, “The Process of Social Entrepreneurial Ventures (SEV) Formation: An Application of Grounded Theory”, *Journal of Entrepreneurship Development*, Vol. 4, No. 13, 2011, pp. 7–29.
- Faghih, N., “Globalization and Renewal of the Global Order: a Systemic Approach to the Management of Dialogue and the Integration of Civilizations”, *Journal of Political & Economic Ettelaat*, Vol.18, No. 201, 2004, pp 58-69.
- Faghih, N., “Chaos and Change: Management in the Process of Globalization and Integration of Civilizations”, *Journal of Political & Economic Ettelaat*, 18,203, 2004, pp. 58-71.
- Faghih, N., "Information & Entropy Concepts in the Process of Globalization & Integration of Civilizations", *Journal of Political & Economic Ettelaat*, 19, 205, 2004, pp104-115.
- Faghih, N., A. Talebnejad, F. Asadi, A. Mohammadi and A. Abbasi, “A Study and Analysis of Work-Related Accident in Fars Province (2008-2011)”, *International Journal of Business and Management Tomorrow*, Vol.2, No. 4, 2012, pp. 1-6.
- Zarrinchang, A., N. Faghih and Zarrinchang, J., “An Application of Genetic Algorithm toward Maintenance and Reliability”, Vol. 4, No. 2, 2012, pp. 1-7.
- Faghih, N. and Ghafournian, M. “System Identification of Average Successful Responses in a Communication Company”, *Industrial Management Prospects*, Vol. 3, No. 3, 2011, pp. 9–28.
- Faghih, N. and A. A. Masoumi, “Neuro-Fuzzy Statistical Process Control”, *Journal of Industrial Management*, 1, 3, 2010, pp 83-98.
- Faghih, N. and M. A. Montazery, “Genetic Algorithms in Assembly Line Balancing Problem”, *Journal of Industrial Management*, 1, 1, 2009, pp 107-124.
- Faghih, N., “Spectral Analysis of Sequentially Sampled Signals for Applications in Information Processing”, *Iranian. Journal of Information Science and Technology*, 2, 1, 2004, pp.13-28.
- Faghih, N., “Fractal Growth in Dynamic Systems and Development in Organic and Complex Systems”, *J. Management Knowledge*, 11, 39-40, 1998, pp. 70-103.
- Faghih, N., “Chaos in Dynamic Systems and Development in Management Systems”, *Journal of Management Knowledge*, Vol. 10, No. 35 - 36, 1997, pp. 79-101.
- Faghih, N., “On the Estimation of Missing Initial Autocorrelation Coefficients”, *Journal of Discrete Mathematical Sciences & Cryptography*, 2, 2-3, 1999, pp.105-120.
- Faghih, N., “The Autocorrelation Function Extrapolation and Equivalence of Determinant and Entropy Maximizations”, *Journal of Discrete Mathematical Sciences & Cryptography*, 2, 2-3, 1999, pp. 93-103.
- Faghih, N., “Some Empirical Investigations of the Autocorrelation Function Extrapolation”, *Journal of Discrete Mathematical Sciences & Cryptography*, 1, 2-3, 1998, pp. 151-196.

Selected Articles (Continued)

- Faghih, N., “An Analysis and Explanation of the Uncertainty Principle”, Journal of Interdisciplinary Mathematics, Vol. 2, No. 2-3, 1999, pp. 89-99.
- Faghih, N. and B. Sohrabi, “Genetic Algorithm in Optimal Preventive Part Replacement for Minimum Downtime Maintenance Planning”, Journal of Interdisciplinary Mathematics, 2, 1, 1999, pp. 1-24.
- Faghih, N. and A. Abareshi, “Neural Networks in the Renewal Function Estimation for Equipment Replacements”, Journal of Discrete Mathematical Sciences & Cryptography, 2, 2-3, 1999, pp.121-139.
- Faghih, N., “Some Properties of the Autocorrelation Matrices for Applications in Turbulence Analysis and System Identification”, Int'l J. of Eng. Sci., 7, 2, 1996, pp. 35-44.
- Faghih, N., “Aliasing and Interpolating Data by Cubic Spline”, Iranian Journal of Information Science and Technology, Vol. 1, No. 1, 2003, pp. 1-23.
- Faghih, N. and M. Namazi, “Applying Shannon’s Information Theory to the Measurement and Analysis of Financial Statements”, Journal of Discrete Mathematical Sciences & Cryptography, 1, 1,1998, pp. 49 - 62.
- Faghih, N., “Occupational Stresses: management and Control (**Part 1**)”, Journal of The Iranian Academy of Sciences, 5, 8-9, 1998, pp.25-62; (**Part 2**), 5, 10-11,1998, pp. 15-52.
- Faghih, N., “OPEC Oil Price Changes: A System Identification by Spectral Analysis”, Journal of Management Knowledge, Vol.11, No. 41-42, 1998, pp.5-39.
- Faghih, N., “Modeling and Simulation of Ergodic Data”, Journal of Management knowledge, Vol.12, No. 43, 1999. pp. 128-143.
- Faghih, N., “Statistical Errors in Digital Estimation of Probability Density Functions”, Journal of Management knowledge, Vol. 13, No. 49, 2000, pp. 116-139.
- Faghih, N., “Workplace Industrial Accidents in the Vegetable Oil Factories”, Management Studies Quarterly, Vol. 2, No. 2-3, 1999, pp. 72-97.
- Faghih, N., “Optimal Preventive Inspection for a Required Reliability”, Amirkabir Journal of Science and Technology, Vol.3, No. 11, 1989, pp. 151-153.
- Faghih, N., “Ergonomics in the Design and Management of the Working Environment”, Tabriz University Journal of Humanities, Vol.3, No.5, 1997, pp. 149-168.
- Faghih, N., “A Study on Workplace Accidents in the Industries of the Iranian Central Province”, Journal of Planning and Budgeting, Vol.1, No.9, 1997, pp. 37-54.
- Faghih, N., ”Control of Employment Tensions in Labor Economics (**Part 1**)”,Journal of Political & Economic Ettelaat,18,197,2004, pp160-177; (**Part2**),18,199,2004, pp.110-127.
- Faghih, N., “On the Determinate and Eigenvalues of the Autocorrelation Matrices”, Amirkabir Journal of Science and Technology, Vol. 7, No. 25, 1994, pp. 1-6.
- Faghih, N. and Z. Shooshtarian, “Approaches Experienced in Technology Transfer”, Journal of Administrative Sciences & Economics, Vol. 11, No. 1, 1997, pp. 1-20.
- Faghih, N., “A Critical Evaluation of Ethics in the Research and Teaching of Science”, Journal of Social Sciences and Humanities, Vol. 8,No. 1- 2, 1992, pp. 153-164.
- Faghih, N. and L. Sarfaraz, “The futurology of Information Technology Transfer”, Journal of Management Knowledge, Vol.6, No. 22, 1993, pp. 22- 29.
- Faghih, N., “Technology Transfer and Assimilation”, Journal of Management Knowledge”, Vol.6, No. 21, 1993, pp. 25-31.
- Faghih, N., “Organization and Management in the Process of Research and Development”, Journal of Management Knowledge, Vol.8, No.27- 28, 1995, pp. 42-52.

Selected Articles (Continued)

- Faghih, N., "Technology Expansion and Transfer: a Comparative View", Journal of Political & Economic Ettelaat, Vol. 15, No.165-166, 2001, pp 208-217.
- Faghih, N., "Fractal Theory: Uncovering Growth, Development and Change in Complex Systems", J. Poli. & Econ. Ettelaat,16,171, 2002, pp 184-197.
- Faghih, N., "Some Scientific Doctrines of Rumi", Journal of Hamdard, XVI, 2, 1993, pp. 79-96.
- Faghih, N. and L. Sarfaraz, "Technology Transfer Issues in International Trade", J. Standards, 33, June 1994, pp. 11-17.
- Faghih, N. and L. Sarfaraz, "Historical Backgrounds of Kish Island in International Trade as Reflected in Saadi's Works", Free Zones, 74, August 1997, pp. 16-21.
- Faghih, N., "The Role of Values and Ethics in the Organization of Science", in Public Administration and Sustainable Development, Edited by Jafari, M.J.E., De Guzman, P.P. and Reforma, M.A., Eastern Regional Organization for Public Administration, Manila, Philippines, 1994, pp. 102-107.
- Faghih, N., "State Space Approach to Stochastic Filtering for a known Autocorrelation Function", 1st Int'l Conf. on the Mathematical Theory of Control, Bombay Univ., 1991.
- Faghih, N., "State Space Modeling of Time Series", Int'l Cong. of Math., Kyoto, 1991.
- Faghih, N., "Data Simulation for known Spectra", 19th European Meeting of Statisticians, Barcelona, Sept.1991.
- Faghih, N., "On the Preventive Maintenance Planning in Power Industries", Power Conf., Ministry of Power, Bandar Abbass, March. 1994, pp. 90- 97.
- Faghih, N., "Preventive Maintenance Systems for Decreasing Costs and Increasing Reliability in Ships", 5th Marine Conf., Bandar Anzali, May 1994.
- Faghih, N., "Mathematical Models for Optimal Preventive Part Replacements and Inspections", 1st National Maintenance Congress, Isfahan Univ. of Tech., Sept. 1994.
- Faghih, N., "Optimization of Preventive Inspection Rates for Reliability Promotion in Power Industries", Power Conf., Teheran, Nov. 1988, pp. 61-56.
- Faghih, N., "Enhancing Reliability in the Industrial Systems", 20th Math. Conf., Teheran Univ., March 1989, pp. 184- 195.
- Faghih, N., "Planning for Part Replacement in Power Industries", Power Conf., Teheran, Nov. 1987, pp. 69-77.
- Faghih, N., "State Space Representation of Correlated Noise", International conference on Control and Modeling, IASTED and Tehran University, July 1990, pp. 434-440
- Faghih, N., "Modeling and Generation of Time Series with Prescribed Probability Density and Autocorrelation Functions", 21st Math. Conf., Isfahan Univ., March 1990, pp. 72-89.
- Faghih, N., "The Dialogue of Civilizations: a System Approach", 1st Conf. on the Role of Social Sciences in the Dialogue of Civilizations, Shiraz Univ., Feb.2002, pp. 123-208
- Faghih, N. and H. Hoseinpour, "Development of Rural Industries: Limitations and Obstacles", Rural Development Cong., Inst. for Rural Dev., Tehran, 2004, pp.359-386.
- Faghih, N. and H.A. Hamedi, "Quality Function Deployment (QFD) in the Process of Design: a Case Study", 2nd Industrial Eng. Conf., Yazd Univ., Feb.2003, pp.338-343.
- Faghih, N. and H.A. Hamedi, "Equipment Useful Life Estimation: a Case Study", 2nd International Industrial Eng. Conf. Amirkabir Univ. & IE Society, July 2004, pp.141-151.