

Ali Naghi Mashyayeki

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HIGHER EDUCATION

1970 B.Sc. in Mechanical Engineering, Sharif University of Technology, Tehran, Iran.

1978 Ph.D. in Management, Sloan School of Management, MIT, Cambridge, Massachusetts, USA.

Field :System Thinking, Systems Dynamics, Business Policy and Strategic anagement, Learning Organization.

Teaching Experiences

Under Graduate Courses: Essentials of Management; System Analysis; Systems Dynamics Modeling; Principles of Accounting; Financial management

Graduate Courses: System Dynamics; Industrial Dynamics; Strategic Planning; Budgeting and Control; Seminar in Learning Organizations

Professional Experiences

1970-72 Instructor, Department of Mechanical Engineering, Sharif University of Technology, Tehran, Iran.

1972-73 Production Planner, Thermo Feric Company, Ghazvin, Iran.

1977-78 Consultant, Development Analysis Associates, Cambridge, Massachusetts, USA.

1978-78 Research Associates, Sloan School of Management, MIT, Cambridge, Massachusetts, USA.

1978-85 Assistant Professor, Isfahan University of Technology, Isfahan, Iran.

1978-80 Member of Hiring Committee at Isfahan University of Technology, Isfahan, Iran.

1978-79 Chairman of the Department of Social and Technological Systems at Isfahan University of Technology, Isfahan, Iran.

1979-79 Vice Chancellor in Financial and Administrative Affairs at Isfahan University of Technology, Isfahan, Iran.

1979-80 Founder and President of the Center for Promotion of Production and Development Activities in Province of Isfahan. The center was established and organized to help the creation of cooperatives in different economic sectors like industry, agriculture, construction, and services.

1980-84 Chairman of the Board of Directors of Sepahan Cement Company in Isfahan, Iran.

1980-81 Member of Board of Isfahan Province Bank (BANKE OSPAN ISFAHAN) and the founder and head of Investment Division in the bank. The new division was founded to develop the necessary systems and specialties in the bank to prepare and evaluate investment projects

1981-83 Chief Advisor to the Head of Plan and Budget Organization of Iran to develop and implement a new planning system for the country.

1982-83 Head of the Department of Computer and Information Systems in Plan and Budget Organization of Iran, Tehran, Iran.

1983-85 Chairman of the Department of Industrial Engineering at Isfahan University of Technology, Isfahan, Iran.

1983-85 Advisor to the Minister of Housing, Tehran, Iran

1983-84 Member of The Council of Advisors for Preparation of Regional Development Plan in Iran.

1983-84 Member of the Council for Coordination of National Research in Technology, Ministry of Culture and Higher Education, Tehran, Iran.

1983-85 Advisor to the Chairman of Mostazafan Foundation. Mostazafan foundation is the largest conglomerate in Iran.

1984-85 Advisor to the Minister of Heavy Industry, Tehran, Iran.

1985-94 Member of Editorial Board of Planning and Development Journal, a scientific journal in Farsi, Tehran, Iran.

1985-87 Advisor to the Chief Editor of DANESHMAND Magazine (Scientific and Technical Monthly Magazine), Tehran, Iran.

1985-87 Advisor to the Minister of Power, Tehran, Iran.

1986-87 Member of Council of Human Resource Development in Plan and Budget Organization, Tehran, Iran.

1986-87 Member of the Committee of Industrial Engineering Curriculum Development in the Ministry of Culture and Higher Education, Tehran, Iran.

1986-95 Associate Professor, Sharif University of Technology, Tehran, Iran.

1987-88 Visiting Scholar and Adjunct Professor, Graduate School of Public Affairs and Policy, State University of New York at Albany, Albany, USA.

1988-89 Founder and the President of NAZM-AVARAN Management Consulting Company, Tehran, Iran.

1988-94 Chairman of NAZM-AVARAN Management Consulting Company, Tehran, Iran.

1989-94 Founder and President of the Institute for Research in Planning and Development, Tehran Iran.

1994-95 Member of Board of Sina Chemical Company, Tehran, Iran.

1995-96 Visiting Scholar at MIT, Massachusetts, USA.

1996-97 Consultant, High Performance Systems Inc., USA.

1996-97 Consultant, AT&T, USA.

1996-98 Consultant, McKinsey & Co., USA.

1997- .. Professor, Sharif University of Technology, Tehran, Iran.

1977- .. Management consultant in different industries such as steel, power, water, oil, housing development, and rail roads concerning design of business strategy and management systems.

1997- .. Member of Board of Trustees of the Institute for Research and Training of the Ministry of Power, Tehran, Iran.

1997- .. Member of Board of Editors of SHARIF Magazine, Sharif University of Technology, Tehran, Iran.

1997- .. Chairman of the Board of Directors of Industrial Management Institute, Tehran, Iran.

1998- .. President Elect of the International System Dynamics Society to become the president of the society in year 2001 in the Society Meeting in Quebec, Canada.

1999- .. Board of member of the Iranian Industrial Engineering Association, Tehran, Iran.

1999- .. Dean of Graduate School of Management and Systems, Sharif University of Technology, Tehran, Iran.

Publications :

Books (In Farsi)

"Doornamaie Toseh Eghtesadi Iran Bar Mabnaie Naft" (i.e. Perspective of Economic Development in Iran Based on Oil Revenues), Published by the Center of University Press, Tehran, Iran, 1984.

"Toseh Sanatei, Tavarom, Va Gheymathaie Hesbadari" (i.e., Industrial Development, Inflation, and Accounting Prices in Iran",

Published by Industrial Management Center, Tehran, Iran, 1995.

Papers:

In English:

"Economic Planning an Growth of Education in Developing Countries", Simulation, December 1977.

Water Resources Development Planning, in Peter Milling and Erich O.K. Zahn (Eds.),

Computer Based Management of Complex Systems, Springer-Verlag, 1989.
System Dynamics in Strategic Planning, in the proceedings of 1990 International System Dynamics Conference, System Dynamics Society, 1990.
Rangeland Destruction Under Population Growth: The Case of Iran, in System Dynamics Review, Summer 1990. Also forthcoming as a chapter in "Modeling for management: Simulation in Support of Systems Thinking" by Wiley.
The Impact of Exchange Rate Policy on Inflation Rate in an Oil Exporting Economy, System Dynamics Review, Summer 1991.
Dynamics of Development Project Cost Structure, in the proceedings of 1991 International System Dynamics Conference, System Dynamics Society, 1991.
From a Static to a Dynamic Problem Definition, in the proceedings of 1992 International System Dynamics Conference, System Dynamics Society, 1992.
Transition in the New York State solid waste system: a dynamics analysis, System Dynamics Review, Winter 1993. Also forthcoming as a chapter in "Modeling for management: Simulation in Support of Systems Thinking" by Wiley.
Conventional Versus System Dynamics Approach to Planning, in the proceedings of 1993 International System Dynamics Conference, System Dynamics Society, 1993.
Development Project Cost Dynamics, 1996, MIT Sloan School of Management Working Paper #3919 and Under Review in the Journal of Operation Research Society.
Reactiveness and fragmentation in maintenance management. November 1996, working paper to be submitted for publication, system dynamics group, Sloan School of Management, MIT.

The dynamics of lumpy learning. 1996, With Marcei Tyre, working paper at Sloan School of Management, MIT and presented in 1997 International System Dynamics Conference, Istanbul, Turkey.
Public finance, oil revenue expenditure and economic performance: a comparative study of four countries in System Dynamics Review, Summer-Fall 1998.
Effectiveness of infrastructure service delivery through earmarking: the case of highway construction in China, Co-authored by Xu Honggang, Ali N. Mashayekhi and Khalid Saeed, in System Dynamics Review, Summer-Fall 1998.
Project Cost Dynamics for Development Policy-Making, in Journal of the Operational Research Society, March 2000.

Others:

- Numerous scientific and technical papers in Farsi