

## ***CURRICULUM VITAE***

**Sepehr Ghazinoory**

**Tarbiat Modares University,**

**Ale-Ahmad Highway**

**Tehran, Iran**

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## **EDUCATION**

2000 Ph.D., Industrial Engineering, Iran University of Science & Technology

Dissertation Title: *“Designing a Macro Model for Industrial Development in Iran with Reference to Science & Technology Policy”*

1996 M.Sc. Industrial Engineering, Iran University of Science & Technology

Dissertation Title: *“Analyzing Situation and Future’s Programming of the Country’s Petro-Chemical Industry”*

1994 B.Sc. Industrial Engineering (Industrial Production), Iran University of . . .  
.....Science & Technology

Languages: Persian, English, Arabic (reading knowledge)

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### TEACHING EXPERIENCE

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#### Graduate Courses Taught:

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Management Principles, Advanced Organization and Management Theory, Development & Growth, Research Methods, Statistical Methods, Innovation Systems, Innovation Theories(Process & Policy Models), Research Methods in Material Science & Engineering, Advanced Organizational Behavior, Advanced Operation Research, Process Reengineering, Strategic Planning, Industrial Strategic Planning, Management Information Systems, Development Projects Management, Industry Creating Project, Cultural-Social Planning & Technology Management, Science & Technology Policies, Technology Transfer, Technology Forecasting, Technology Assessment, Technology Transfer Projects, Basics of Technology Development Strategy.

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#### Undergraduate Courses Taught:

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Financial Management, Management Principles & Organization Theory, layout Planning, Labor & Time Assessment, Human Factors Engineering, Engineering Economics, Transportation Planning, Production Planning & Control, Stock Planning & Control, Technology & Innovation Management, Technology Research & Development Policy, Industry Creating Project.

## BOOKS

1. S.Ghazinoory 2002, “Science & Technology Policy Making and Planning-Case Study: Nanotechnology in Iran” Atena
2. S.Ghazinoory 2005, “Clean Production (Concepts, Techniques, Case Studies)”, Khajeh Rashid
3. S. Ghazinoory & E. Heidary 2008, "Hopes & Fears Social Implications of Nanotechnology", National Research Institute for Research Policy

## BOOK CHAPTERS

1. Ghazinoory & Abdi & Jeddi 2007, 'Necessity of National Environmental Strategic Information System (NESIS) for Supporting Sustainable Development', in (ed.), Progress in Sustainable Development Research, Nova Publishers, United States
2. Ghazinoory & Ghazinoori 2007, 'Iran national system of innovation', in (ed.), Science, Technology and Sustainability in the Middle East and North Africa, Inderscience Enterprises Ltd, United Kingdom
3. S.Ghazinoory 2010, 'The Future of Innovation is non-normal Ways', in (ed.), The Future of Innovation, Gower, England

## BOOK TRANSLATIONS

1. From English/Persian: Shigeo Shingo, “*A Revolution in Manufacturing & Production: SMED System*” (2002) Amir Saman Kheirkhah, Sepehr Ghazinoory
2. From English/Persian: V. Chiesa, “*R&D strategy and Organization*” (2001) Ghazinoory, Mehdikhani
3. From English/Persian: John Verloop “*Insight in Innovation*”(2004) Sepehr Ghazinoory, Reza Ghazinoori

## JOURNAL ARTICLES

Table 1. Articles in ISI journals

Paper Title	Journal	Country	Pages	Pub Year	No.	Issuance Date	Authors	Language
Cleaner production in Iran: Necessities and priorities	Journal of cleaner production	U.S	755-762	13		2004	S.Ghazinoory	English
National program for cleaner production in Iran: A framework and draft	Journal of cleaner production	U.S	194-200	14		2005	S.Ghazinoory D.Huisingsh	English
Potential impacts of nanotechnology development in Iran	<b>IEEE Technology and Society</b>	U.S	<b>37-44</b>	27	4	Nov. 2008	S.Ghazinoory E.Heydari	English
A new definition and framework for the development of a national technology strategy: The case of nanotechnology for Iran	<b>Technological Forecasting and Social Change</b>	Netherland	<b>835-848</b>	76	6	July 2009	S.Ghazinoory A. Divsalar A. Soofi	English
Fuzzy SWOT analysis	<b>Journal of Intelligent and Fuzzy Systems</b>	U.S.	99-108	18	1	Jan. 2007	S.Ghazinoory Esmail Zadeh,A. Memariani, A.	English
Using AHP and L.P. for choosing the best alternatives based the gap analysis	<b>Applied Mathematics and Computation</b>	Netherland	316-321	184	2	Dec. 2007	Ghazinoory, S. Aliahmadi, A. Namdarzangeneh, S. Ghodsypour S.H.	English
A model for national planning under new roles for government: Case study of the National Iranian Nanotechnology Initiative	<b>Science and Public Policy</b>	U.K	241-249	36	3	April 2009	Sepehr Ghazinoory, Saber Mirzaei, Soroush Ghazinoori	English

Nanotechnology & Sociopolitical Modernity in Developing Countries; Case Study of Iran	<i>Technological and Economic Development of Economy</i>	Lithuania	395-417	15	3	Dec. 2009	Sepehr Ghazinoory, Reza Ghazinoori	English
Developing strategies to reduce the risk of hazardous materials transportation in Iran using fuzzy SWOT analysis method	<i>Transport</i>	Lithuania	325-332	24	4	Nov. 2009	A.S. Kheirkhah Esmail ZadehA. S.Ghazinoory	English
Developing Iran's government strategies for strengthening the national system of innovation using SWOT analysis	<i>Science and Public Policy</i>	U.K	529-540	33	7	June 2006	Sepehr Ghazinoory Soroush Ghazinoori	English
Transportation of hazardous materials in Iran: A strategic approach for decreasing accidents	<i>Transport</i>	Lithuania	104-111	23	2	Mar. 2008	S.Ghazinoory A.S. Kheirkhah	English
A MODEL OF TECHNOLOGY STRATEGY DEVELOPMENT FOR IRANIAN NANO-COMPOSITE COMPANIES	<i>Technological and Economic Development of Economy</i>	Lithuania	25-42	16	1	Jan. 2010	Sepehr Ghazinoory Mahdieh Farazkish	English
A day in the life of an Iranian S&T policy researcher	<i>Science and Public Policy</i>	U.K	809-811	36	10	Dec. 2009	Sepehr Ghazinoory	English
Application of fuzzy calculations for improving portfolio matrices	<i>Information Sciences</i>	Netherland	1582-1590	17	180	2010	S. Ghazinoory A. Esmail Zadeh A.S. Kheirkhah	English
Promoting nanotechnology patenting: A new experience in national innovation system of Iran	<i>Journal of Intellectual Property Rights</i>	India	464-473	6	15	Dec. 2010	Ghazinoory, S., Abdi, M., Bagheri, S.K.	English

Strengths, Weaknesses, Opportunities and Threats: Review of SWOT Methodology	<i>Journal od Business, Economics and Management</i>	U.K	24-48	1	12	2011	Ghazinoory, S., Abdi, M., Azadegan-Mehr,M.	English
MANUFACTURING STRATEGY FORMATION PROCESS; CASE STUDY OF IRANIAN MANUFACTURING COMPANIES	<i>Technological and Economic Development of Economy</i>	U.K		3	15	2011	Ghazinoory, S., Mahdiani, R., Rezaeian, S.	English
The network of the Iranian techno-economic system	<i>Technological Forecasting and Social Change</i>	Netherland	591-609	4	78	2011	A. Soofi S.Ghazinoory	English
Iranian Academia: Evolution after Revolution and Plagiarism as a Disorder	Science & Engineering Ethics	Netherland	213-216	2	17	2011	Sepehr Ghazinoory, Soroush Ghazinoori, Mandana Azadegan-Mehr	English
Fuzzy logic in manufacturing: A review of literature and a specialized application	Int. J. Production Economics	Netherland	258-270	2	132	2011	Azadegan, Porobic, Ghazinoory Samouei, Kheirkhah	English
Model for IP protection based on an Empirical Study of Iranian Nanotechnology Companies	<i>Journal of Intellectual Property Rights</i>	India	27-34	1	16	Jan 2011	Ghazinoory, S., Abedi, S. Mashari, B.	English

Table 2. Articles in national scientific journals

	Paper Title	Publisher	Pages	Pub Year	No.	Issuance Date	Autors
1	Application of Statistical "Multidimensional Scaling" Technique for the Classification of World Countries on the Basis of Economic & Cultural Development	Journal of Humanities- Alzahra University	96-122	9th	32	Winter 1999	Ali Ahmadi & Ghazinoory
2	Analysis of Relationship between Science & Technology Indicators and	Quarterly Journal of Research and Planning in	59-91	19th	1	Spring 2001	Ali Ahmadi & Ghazinoory

	Industrial Development(A Canonical Correlation Analysis)	Higher Education					
3	The Application of Cluster Analysis in Classifying and Ranking the Countries Development Indexes	Scientific-Research Journal of Shahed University	107-117	10th	42	Dec-Jan2002-2003	Ali Ahmadi & Ghazinoory
4	Sensitivity Analysis of Multi-criteria Decision-Making Problems in Relation to The Type of Techniques: A Case Study	Management Knowledge-Faculty of Management, University of Tehran	129-141	15th	56	Spring2002	Sepehr Ghazinoory, Seyed Habibollah Tabatabaiyan
5	The Role of Information Technology in Total Quality Management of Services	Tomorrow Management	97-103	1st	Special Issue	Winter2004	Ghazinoory
6	The Role of Information Technology for Job Creation in Iran	Tomorrow Management	73-76	1st	3,4	Winter2004	Ghazinoory
7	Modelling the Role of Ethics in Success of Knowledge Management Systems	Journal of Science & Technology Policy	65-80	2	3	Winter2011	Rezaeian Ghazinoory
8	Extracting Strategies for Modification of National Innovation System of Iran Based on a Comparative Study	Journal of Science & Technology Policy	65-82	1	1	Spring 2008	Ghazinoory Ghazinoori
9	Assessing NINI By BSC; Explaining the Role of Social Capital as a Missing Link in NIS Theory	Journal of Science & Technology Policy	49-58	4	1	Winter 2008	Ghazinoory Tavassoli Zadeh
10	Developing a framework for knowledge innovation strategic management	Information Technology Management	93-114	3	7	Summer 2011	Ghazinoory Rezaeian Fallah

#### SUPERVISION OF MASTER'S THESIS:

1. The Application of Fuzzy Logic in Strategic Planning, Ali Smaeilzadeh, May2005, Bu-Ali Sina University
2. A Model for Strategic Planning in Sectoral Level(Case Study:Nanotechnology in Iran), Ali Sanjari, January2006, Bu-Ali Sina University
3. Comparative Analysis on the Industrial Development Strategy for Extarcting Exclusives When Formulating National Technology Policymaking Models, Reza Zarnukhi, Winter2006, Islamic Azad University(Science and Research Branch)
4. A Model for National Policy-Making in Medical Technology(Obstetrics and Gynecology) Foresiting based, Fatemeh Seifi, 2006-2007, Islamic Azad University(Science and Research Branch)
5. Developing A Strategic Plan in the field of Technology Strategy(Case Study:National Nanotechnology Program), Reza Radfar, 2007-2008, Islamic Azad University(Science and Research Branch)
6. Designing A Model for employing Technology Life Cycle Assessment tool to Reduce nvironmental

- Impact of Industries(Case Study: Disposable Countainers of Drinks Industries), Parisa Pooya Nasab, 2007-2008, Islamic Azad University(Science and Research Branch)
7. The Presentation of Model For Considering Ethical Problem in Decision-Making and Management, Hamid Rastegar, January2009, Bu-Ali Sina University
  8. Analysis of the Social Factors Affecting Nanotechnology Development in Iran, Ebrahim Heydari, 2006, Bu-Ali Sina University
  9. Designing a Model for Extarcting The National Technology Strategy,Case Study of Iran`s Nanotechnology, Ali Divsalar, 2006, Bu-Ali Sina University
  10. Designing Pattern of Land Value Added Taxation in Iran, M.Barazandeh, March2007, Bu-Ali Sina University
  11. Priority Setting for Nanotechniology Subjects in Iran, Majid Zarei, 2007, Bu-Ali Sina University
  12. A Model for Evaluation of Supply Chain Sustainability, Hossein Teimoori Jervekani, Febuary2008, Bu-Ali Sina University
  13. Surveying and Pattern-Making for Iran`s Innovation System in the Field of Nanotechnology, 2007-2008, Islamic Azad University(Science and Research Branch)
  14. The Generation of HAX`s”Model for Technology Strategy” to Determine the Manufacturing Strategy Status;Case Study of Six Iranian Manufacturing Firms, Mahdian Khotbehshara.Rahman, Febuary2007, Islamic Azad University(Science and Research Branch)
  15. Role of Technology Parks in the Development and Expansion of High-Tech Industry, Firouzeh Amin, Summer2007, Islamic Azad University(Science and Research Branch)
  16. The Barriers of Nanotechnology Entrepreneurship in Iran, Aref Rasouli,January2007, Bu-Ali Sina University
  17. Consistency Analysis of “Natinal Initiative for Nanotechnology of Iran” by Economic Different Schools, Ehsan Jalali, Febuary2008, Bu-Ali Sina University
  18. Adjusting a Model of Technology Strategy Development for Iranian Nanocomposite Companies, Mahdiyeh Farazkish, 2008-2009, Islamic Azad University(Science and Research Branch)
  19. The Generalization of the Balance Scorecard Model Technology Strategy in National Level,Case Study for: National Initiative for Nanotechnology in Iran, Sadegh Tavassoli Zadeh, November2007, Islamic Azad University(Science and Research Branch)
  20. Comparative Study of Venture Capital in IT and Nano Industries(Case Study:Nokhbegan Institute of Technology Development), Maryam Tehranizadeh, 2007-2008, Islamic Azad University(Science and Research Branch)
  21. The Study of Impact of the Ten Strategic Management Schools on the Type of Technology Strategy by Comparative Approach, P.Jahangir, Febuary2008, Islamic Azad University(Science and Research Branch)
  22. An Expert System for Identifying and Analysing SBU`s,H.Cheraghali, Febuary2009, Bu-Ali Sina University
  23. Developing Mathematical Planning Model for Poultry,With The Aim of Cost Committee, Febuary2008, Bu-Ali Sina University



24. Comparative Study between National Innovation Systems of Iran and Japan, S.Monajemzadeh, February 2009, Bu-Ali Sina University
25. Application of Fuzzy Logic for University Bottleneck in Theory of Constraints, Parvaneh Samuei, February 2009, Bu-Ali Sina University
26. Developing an Optimizing Model for Broiler Breeding, Dabbaghan, February 2009, Bu-Ali Sina University
27. Modeling of Institutional Management of Technology of Iran, Mostafa Tahmasebi, Summer 2009, Bu-Ali Sina University
28. Analysing Intersectional Innovation Network of the Iran`s Economy, Abbas Pourfathi, Summer 2009, Bu-Ali Sina University
29. Using Theory of Constraints(TOC) for Improving National Innovation System of Iran, Malek Fathabadi, December 2009, Bu-Ali Sina University
30. Strategic Planning with SWOT Analysis and Source-based View, Implementing in International System Engineering and Automation Company, Anahita Ahmadi, December 2009, Bu-Ali Sina University
31. Analysing the Effects of Public Trust on the Police Duties in +10 Bureaus, Ahmad Alipour Arjestan, October 2009, Tarbiat Modares University
32. A Study on Feasibility of Reducing Road Incidents by Means of Equipping Iran`s Rural Traffic Police by Information Technology, Hossein Amirli, October 2009, Tarbiat Modares University
33. Presenting a Model to Select Centers of Excellence(COEs) for Nanotechnology in Iran, Leila Pezeshk, 2010-2011, Islamic Azad University(Science and Research Branch)
34. Assessment of Smart Education Technology in Iran Schools;Case Study in a Smart Secondary School, Mohammad Reza Habibi, May 2010, Tarbiat Modares University
35. Extracting National Information Strategy for Iran`s Universities Using Attractive-Capability Model, Abolghasem Sar abadani, May 2010, Tarbiat Modares University
36. Designing a Model for Performance Evaluation of Laboratories as Members of Iran`s Nanotechnology Network, Mostafa Dastmardi, February 2011, Payame Noor University
37. The Effect of Social Capital on Government to Government(G2G) Enterprise Architecture in Iran, Yaser Gheilishli, December 2010, Tarbiat Modares University

## PROFESSIONAL SERVICES

- 
- Founder of M.Sc. Degree of Socio-Economic Systems Engineering, Bu-Ali Sina University, 2003
- Advisor of Educational Deputy of Judiciary , 2003- 2004

- . Developer of Iran National Nanotechnology Initiative (FUTURE Strategy), 2003-2005
- . Office Manager of SBDC (Medical Technology Research Center), 2004-2007
- . Member of Payam Noor University Juridical Board, 2005- 2007
- . Member of Research Council in National Scientific Policy Research Center, 2007-
- . Committee Member of Industrial Engineering - Educational deputy of Ministry of Science, Research and Technology, 2007-2010
- . Founder of PhD Degree of Industrial Engineering, Payam-e-Noor University, 2007
- . Member of Coordination and Planning Commission of Supreme Council for Science, National Scientific Policy Research Center, 2010-
- 0. Member of Agriculture Commission of Water & Natural Resources, the Supreme Council of Science, Research and Technology, 2010-

### PROFESSIONAL EMPLOYMENT

- . National Productivity Organization Expert, 1997
- . Mahand Engineering Company Expert, 2008
- . Head of Industrial Engineering Department, Iran University of Science & Technology, Behshahr, 1999-2000
- . Planning Expert in Rafsanjan Development Organization, 2000- 2001
- . Research Assistant in Iran Management Study Center, 2001- 2002
- . Consultant in Presidential Technology Cooperation Office, 2002- 2006
- . Faculty Member of Industrial Engineering Department, Bu-Ali Sina University, 2001-2009
- . Head of Industrial Engineering Department, Bu-Ali Sina University, 2001-2004
- . Founder and Head of Engineering Faculty, Payam-e-Noor University, 2005- 2007
- 0. Vice Chancellor for Research, Payam-e- Noor University, 2007-2008
- 1. editor in chief of Journal of Science & Technology Policy, National Scientific Policy Research Center, 2008- now
- 2. Associate Professor of Science & Technology Policy, Information Technology Management Department, Tarbiat Modares University, 2008-now

## RESEARCH AND TECHNOLOGY PROJECTS

	Report Title	Project Date		Project Location
		End	Start	
1	Recognition of Clean Production Technology and its Application in Iran(A Case Study in Pegah Hamedan Factory)	2003	2002	Bu-Ali Sina University
2	Brief study of institutional components, infrastructure and systems management technology development in developing countries Technology Department Technology Department of Science, Research and Technology	2004	2003	Technology Assistant of Science, Research & Technology Ministry
3	Registration & Collection of National Research & Technology Priorities Based on Regional Needs & Priorities	2008	2008	Research Assistant of Science, Research & Technology Ministry(
4	Registration of Macro National Science & Technology Policy & Preference Process & Supporting National Priorities	2009	2009	Research Assistant of Science, Research & Technology Ministry(National Scientific Policy Research Center)

5	Registration of A Framework for National Research Performance Report	2010	2009	Research Assistant of Science Ministry(University Publication Center)
6	Analysis of Innovation Network Between Economic Segments	2009	2008	National Scientific Policy Research Center
7	Building Supreme Research Council, Using Experiences	2005	2004	National Scientific Policy Research Center
8	Designing National Strategy Framework for a Specific Technological Field	2005	2004	National Scientific Policy Research Center
9	Designing Policy & Strategic Model for Nanotechnology in Iran with National Innovation Approach	2008	2008	Research Assistant of Science, Research & Technology Ministry(National Scientific Policy Research Center)
10	Study of Furthur Revision & Registration of Overall System Policies for Technology Growth & Development in Iran	2008	2007	International Research Center- Ministry of Science & Technology
11	Design & Implementation of A Management System for Medical Equipment Small Businesses	2006	2005	Medical Science and Technology Research Center - Tehran University of Medical Sciences

12	Design & Implementation of An Information Management System for Medical Equipment Small Businesses	2007	2006	Medical Science and Technology Research Center - Tehran University of Medical Sciences
13	Study, research and evaluation on R & D strategy and organization.	2005	2005	Sharif Research & Development Complex
14	Offering approved Consulting Services & Project Supervision for Commercialization of Research Findings	2006	2005	Ministry of Industries & Mines contract with Bu-Ali Sina University
15	Internal Assessment of Industrial Engineering Group..	2005	2004	Organization of National Education Assessment
16	Model Designing for Efficacy Measurment of Educational Groups in Bu-Ali Sina University, Using Data Envelopement Analysis	2004	2003	Bu-Ali Sina University, Internal Research Project
17	Six Sigma Analysis Techniques and its Role in Quality Improvement ..	2004	2004	Bu-Ali Sina University, Internal Research Project

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**CONFERENCE PAPERS**

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**International Conference Papers**

Date	Seminar	Country	Title	Co-authors
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2002	6 <sup>th</sup> international conference of technology policy & innovation(ICTPI)	Japan	A model for ranking of science & technology policies	Ghazinoory, Zanganeh
ay2003	12 <sup>th</sup> international conference for the international association of management of technology(IAMOT)	France	Operationalization of porter's value chain for ...	Ghazinoory
ay2003	12 <sup>th</sup> international conference for the international association of management of technology(IAMOT)	France	Technology management system in iran; organization, programs, challenges	Ghazinoory,
12.2007	The IEEE International Conference on Industrial Eng. &Eng. Management	Singapore	The manufacturing strategy formation process, Case study of six Iranian manufacturing companies	Ghazinoory, mahdiani
.9.2008	2008 International Conference on Engineering & mathematic	Spain	A New Concept of National technology strategy	Ghazinoory Divsalar
17.2009	2009 International Conference on Engineering & mathematic	Spain	Technology Strategy in Iranian Nanotechnology-based Companies	Mahdieh Farazkish, Sepehr Ghazinoory
18.2011	2011 International Conference On Information & Computer Applications (ICICA)	UAE	Ranking Differences Factors Which Affect E-learning Outcomes	Ghazinoory Afshari
lov 2009	Multinational Enterprises and Sustainable Development(MESD 2009)	France	The use of filtration approach in investigating the key environmental moderating effects on technology strategy development for nanotechnology-based companies	Ghazinoory Farazkish

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### National Conference Papers:

30 papers published and/or presented in different national conferences.