

In the name of Allah



## **Mohammad Ali Shafia:**

### **Education**

Born in Sistan Baluchestan province of Iran at 1950.

1. Top student of a four years Vocational Multidisciplinary Crafts program at Zahedan during 1966-70 period after the primary and secondary school programs.
2. Top student of BA on Production Engineering at IUST, 1970-4 which led to the election as the academy staff at IUST & earned scholarship UK by the Iranian Ministry of Higher Education.
3. Advanced Studies on Production Management, from Brunel University, UK, 1976-80,
4. MS& PhD in Industrial Technology majoring on surface Friction, Wear, and Lubrication & Tribology at Brunel University.

### **Job carrier & interests**

1. An elected member of university staff at Iranian University of science & technology since 1974 as the top graduate of the department.
2. Lecturer, researcher, administrator, planner & manager at different levels of IUST University.
3. Researcher on interconnected areas of Technology Management, Innovation, Entrepreneurship & Knowledge Management & Vocational Training programs.
4. Assisting in revitalization of some educational establishments after the revolution to educate Vocational teachers in Tehran and other Iranian provinces.
5. Director of Industrial Engineering committee of Iranian Ministry of Higher Education for Cultural Revolution & resettlements of engineering disciplines after Cultural Revolution.
6. Coordinator of establishing Industrial Engineering, Safety & Health, Welding Technology, and Manufacturing & Production BA disciplines & Technology Transfer and Management Disciplines at MS& PhD levels at Iranian educational establishments.
7. Member of Iranian Industrial Engineering Planning joint Committee of Ministry of Higher Education & Ministry of Industry for technological development affairs
8. Active Academic Member & co-founder of National Iranian Productivity Organization.
9. Member & Deputy Manager of Policy Making Commission of Industry for Government of Iran.
10. Member of Professional Engineering Committee for IE discipline in Iran.
11. Producer of family TV programs on Productivity, Learning affairs & education.

### **Technology Transfer Consultancy Services**

Consulting & Delivering Technology Transfer services to Iranian & Foreign institutions, in the field of Automotive, Science Museum, & Metrology:

1. Car & truck Calipers and Booster from West Germany to Mashhad.
2. Rubber pad for machineries sealing from Germany to Tehran.
3. Numerical Radial Drill from Bosnia to Tehran.
4. Numerical Control Cylindrical Grinding machine from Check to Karaj.

5. Powder material for special welding electrodes to Abhar from Hoganess.
6. Tea plantation & processing technology for drying and processing machines from Rasht of Iran to Kenia.
7. City Green furniture for streets from Isfahan to Kabul.
8. Management training educational establishments to five ministries of Kabul from Mashhad & Tehran.
9. Planning Iranian Cultural & Scientific Houses and transferring technology from Austria, France and Germany.
10. Cylinder linear for ship machineries at Bushehr.
11. Human Resource Strategic planning from Tehran to Khuzestan.
12. Transferring Quality Management system for lifts and factories on ISO9000-14000 .CE Markings & HACCP from Austria to Tehran.
13. Entrepreneurship startups from Tehran in India.
14. Educational planning from Iran to Malaysia.

## **Co-Establishers of some Iranian NGO's**

A member of Founding Committee for the following NGOs since 1995 up to now:

1. Industrial Engineering
2. Technology Management
3. Quality Management
4. General Management
5. Ergonomics.
6. Safety & health.

## **National Positions & delivered Services**

1. A member of the National Industrial Standard Committee.
2. The member of board for some National & International technical journals.
3. Author & translator of national & international books & technical papers.
4. Organizer & deliverer of national & international seminars, conferences, workshops & symposiums.
5. Organizer of Industry-University Collaborative Services.
6. Co-member of National Productivity & National Quality development Awards.
7. Member of technology committee of Strategic plan for Iranian 1404 vision since 2008.
8. Member of educational planning of Iranian media's managers since 2009.
9. Head of Industrial Engineering Dept. of IUST during 1982-1984 period.
10. Head of Executive Management & Industrial Technology Group of IE in IUST, from 2002 up to now.
11. Technical Consultant to the Ministries of Culture, Defense, Heavy Industry, Industry & transportation of Islamic Republic of Iran, as well as Tehran Municipality in the following issues:
  1. Establishing Science & Technology Museums,
  2. Raising Human Performance effectiveness,
  3. Technology Transfer affairs,
  4. Talent Development affairs,
  5. Entrepreneurship Affairs,
  6. HRD/HRM, &
  7. Waste Management.

## **Additional Activities:**

Providing Training & Technical Consultancy Services, to the Government of Iran, as well as to the Public Sector inside & out of the country, in the following areas:

1. Technology Transfer,

2. HRD/HRM affairs,
3. Technology & related Managerial aspects,
4. Entrepreneurship
5. Productivity Plans for systematic Improvements,
6. Human Factor aspects in Engineering & Design,
7. Quality Assurance Systems & the required procedures for CE Markings of the Iranian Goods for Exportation.
8. Knowledge Management.

Developing curriculums for several Educational establishments particularly in higher education mainly in planning department of Iranian Ministry of Higher Education.

Conducting Commissioning Procedures for establishing several Metrology Laboratories around the country.

Publishing several national & international papers & books & delivering seminars as well as organizing gatherings in the relevant topics of the expertise.

Researching in the fields of:

1. Training Effectiveness Measurements at Managerial & Leadership levels,
2. Higher Education Establishments.
3. Export promotion Affairs
4. Entrepreneurship
5. Waste Management,
6. Quality Audits.

**7.** Establishing Quality measures for measuring quality

## Recent publications based on date & citations

<input type="checkbox"/>	<u>Robust Train Timetabling problem: Mathematical model and Branch and bound algorithm</u> MA Shafia, MP Aghaee, SJ Sadjadi, A Jamili IEEE Transactions on Intelligent Transportation Systems 13 (1), 307-317	<u>32</u>	2012
<input type="checkbox"/>	<u>A hybridization of simulated annealing and electromagnetism-like mechanism for a periodic job shop scheduling problem</u> A Jamili, MA Shafia, R Tavakkoli-Moghaddam Expert Systems with Applications 38 (5), 5895-5901	<u>32</u>	2011
<input type="checkbox"/>	<u>A hybrid algorithm based on particle swarm optimization and simulated annealing for a periodic job shop scheduling problem</u> A Jamili, MA Shafia, R Tavakkoli-Moghaddam The International Journal of Advanced Manufacturing Technology 54 (1-4), 309-322	<u>30</u>	2011
<input type="checkbox"/>	<u>The periodicity and robustness in a single-track train scheduling problem</u> MA Shafia, SJ Sadjadi, A Jamili, R Tavakkoli-Moghaddam, ... Applied Soft Computing 12 (1), 440-452	<u>23</u>	2012
<input type="checkbox"/>	<u>Applying fuzzy balanced scorecard for evaluating the CRM performance</u> MA Shafia, M Mahdavi Mazdeh, M Vahedi, M Pournader Industrial Management & Data Systems 111 (7), 1105-1135	<u>23</u>	2011
<input type="checkbox"/>	<u>Solving a periodic single-track train timetabling problem by an efficient hybrid algorithm</u> A Jamili, MA Shafia, SJ Sadjadi, R Tavakkoli-Moghaddam Engineering Applications of Artificial Intelligence 25 (4), 793-800	<u>17</u>	2012
<input type="checkbox"/>	<u>Robust train formation planning</u>	<u>15</u>	2010

MA Shafia, SJ Sadjadi, A Jamili  
 Proceedings of the Institution of Mechanical Engineers, Part F: Journal of ...

<input type="checkbox"/>	<u>A new mathematical model for the job shop scheduling problem with uncertain processing times</u> M Aghaee, M Shafia, A Jamili International Journal of Industrial Engineering Computations 2 (2), 295-306	<u>9</u>	2011
<input type="checkbox"/>	<u>Rozita Tavakolian, A hybrid algorithm for data clustering using honey bee algorithm, genetic algorithm and k-means method</u> MA Shafia, MR Moghaddam Journal of advanced Computer science and Technology Research 1, 110-125	<u>9</u>	2011
<input type="checkbox"/>	<u>A survey of common platform applications and research issues for industries and industrial engineers</u> M Fathollah, MA Shafia The International Journal of Applied Management and technology 4 (2)	<u>9</u>	2006
<input type="checkbox"/>	<u>A study on maximum covering transportation network design with facility location under uncertainty</u> R Rahmaniani, MA Shafia Journal of Industrial and Production Engineering 30 (2), 78-93	<u>8</u>	2013
<input type="checkbox"/>	<u>Supply chains based on common platforms: Analysis of time savings gained by commonality</u> MA Shafia, MG Ariyanezhad, M Fathollah, F Taham Journal of Applied Sciences 9 (1), 27-37	<u>5</u>	2009
<input type="checkbox"/>	<u>Robust optimization model for the capacitated facility location and transportation network design problem</u> MA Shafia, R Rahmaniani, A Rezai, M Rahmaniani International Conference on Industrial Engineering and Operations Management ...	<u>4</u>	2012
<input type="checkbox"/>	<u>Innovation Process is Facilitated in Virtual Environment of R&amp;D Teams</u> MA Shafia, N Ale Ebrahim, S Ahmed, Z Taha International Conference on Education and New Learning Technologies	<u>4</u>	2009
<input type="checkbox"/>	<u>Applying simulated annealing to a generalized cell formation problem considering alternative routings and machine reliability</u> J Jouzdani, F Barzinpour, MA Shafia, M Fathian Asia-Pacific Journal of Operational Research 31 (04), 1450021	<u>3</u>	2014
<input type="checkbox"/>	<u>Analysis of drivers for development of common platform throughout supply chain management (Concepts, drivers and case study in auto industry)</u> MA Shafia, M Fathollah, H Ghazanfari Applied Sci 9, 214-225	<u>3</u>	2009
<input type="checkbox"/>	<u>Measuring the train timetables robustness</u> MA Shafia, A Jamili proceedings of 2nd International Conference on Recent Advances in Railway ...	<u>2</u>	2009
<input type="checkbox"/>	<u>Virtual R&amp;D team: Technology Transfer Facilitator</u> N Ale Ebrahim, MA Shafia, H Tahbaz Tavakoli	<u>2</u>	2009

18th International Conference on Management of Technology

<input type="checkbox"/>	<u>A study of the effect of sharing costs in the supply chains based on SCOR</u> MA Shafia, MS Jabal Ameli, M Fathollah The International Journal of Industrial Management and Production Management ...	<u>2</u>	2008
<input type="checkbox"/>	<u>Examining different factors in effectiveness of advertisement</u> S Naini, M Shafia, N Nazari Management Science Letters 2 (3), 811-818	<u>1</u>	2012
<input type="checkbox"/>	<u>Utilizing TOPSIS intensified with adjustment similarity factor to determine price of technology</u> A Shakeri, M Shafia, S Seyedhosseini Management Science Letters 2 (4), 1385-1396	<u>1</u>	2012
<input type="checkbox"/>	<u>Examining different factors in effectiveness of advertisement</u> S Naini, M Shafia, N Nazari Management Science Letters 2 (3), 811-818	<u>1</u>	2012
<input type="checkbox"/>	<u>Introducing a Project Management Framework for Transfer of Technologies</u> MA Shafia, A Shakeri International Journal of Industrial Engineering & Production Research 20 (4 ...	<u>1</u>	2010
<input type="checkbox"/>	<u>Introducing a Project Management Framework for Transfer of Technologies</u> MA Shafia, A Shakeri International Journal of Industrial Engineering & Production Research 20 (4 ...	<u>1</u>	2010
<input type="checkbox"/>	<u>Consideration of the virtual team work and disabled citizens, as promising opportunity providers for the e-government infrastructure's formation</u> MA Shafia, N Ale Ebrahim, S Ahmed, Z Taha Second Conference on Electronic City	<u>1</u>	2009
<input type="checkbox"/>	<u>The association of serum iron, serum ferritin and TIBC with primary tonic-clonic seizures</u> F IRANMANESH, MA Shafa, YA Nikian, KJ AHMADI IRANIAN JOURNAL OF NEUROLOGY 3 (9), 6-11	<u>1</u>	2005
<input type="checkbox"/>	<u>Mediating effect of technological innovation capabilities between dynamic capabilities and competitiveness of research and technology organisations</u> MA Shafia, S Shavvalpour, M Hosseini, R Hosseini Technology Analysis & Strategic Management, 1-16	-	2016
<input type="checkbox"/>	<u>Ranking Fuzzy Cognitive Map based scenarios using ELECTRE III: Applied on housing market</u> MA Shafia, M Rahimi Moghaddam, E Teimoury Expert Systems	-	2016
<input type="checkbox"/>	<u>The developmental model of technological capability in the Iranian medical equipment industries: A multi-case study</u> MA Shafia, M Mohammadi, AR Babakhan, SS Monajemzadeh African Journal of Science, Technology, Innovation and Development 7 (2 ...	-	2015
<input type="checkbox"/>	<u>Identifying technology localization mechanisms in Iran, A multi case studies</u>	-	2015

	<u>approach</u> , Mohammad Ali Shafia, Mohammad Mohammadai, Alireza Babakhan, Ali Akbar Sadabadi, INFORMATION AND COMMUNICATION TECHNOLOGY IN EDUCATIONAL SCIENCES 5 (420 ...		
<input type="checkbox"/>	<u>An ISM approach for analyzing the factors in technology transfer</u> M Mazdeh, M Shafia, R Bandarian, A Kahrizi Decision Science Letters 4 (3), 335-348	-	2015
<input type="checkbox"/>	<u>The strategies and the factors that influence technology acquisition channels. Case study: Iranian die-making industries</u> MA Shafia, NJ Rabadi, AR Babakhan International Journal of Manufacturing Technology and Management 29 (1-2), 48-65	-	2015
<input type="checkbox"/>	<u>The impact of the national standardization system on ranking the supply chain stages improvement</u> M Shafia, S Abdollahzadeh, E Teimoury Uncertain Supply Chain Management 2 (4), 237-244	-	2014
<input type="checkbox"/>	<u>Applying Two-Level DEA for Supplier Selection in Supply Chain Risk Management</u> M Pournader, M Bagherpour, MM Mazdeh, MA Shafia International Journal of Industrial Engineering 24 (3), 315-326	-	2013
<input type="checkbox"/>	<u>Articulating the construct of organizational innovativeness in Iranian SMEs</u> MA Shafia, M Muchie, AR Babakhan African Journal of Science, Technology, Innovation and Development 5 (5 ...	-	2013
<input type="checkbox"/>	<u>Proposing organizational self sufficiency theory</u> MA Shafia, M Muchie, AR Babakhan African Journal of Science, Technology, Innovation and Development 5 (5 ...	-	2013
<input type="checkbox"/>	<u>The optimal pricing model in an uncertain and competitive environment: using possibilistic geometric programming approach</u> R Rahmaniani, SJ Sadjadi, MA Shafia, N Rahmaniyan African Journal of Business Management 6 (46), 11565	-	2012
<input type="checkbox"/>	<u>DEVELOPING A HUMAN CAPITAL PLANNING FRAMEWORK FOR CONSTRUCTION PROJECTS</u> M Pournader, MZ Heydari, MA Shafia Economic and Social Development: Book of Proceedings, 66	-	2012
<input type="checkbox"/>	<u>A STUDY OF THE RELATIONSHIP BETWEEN SUSTAINABLE SOCIAL DEVELOPMENT AND SOCIAL CAPITAL (CASE STUDY: RESIDENTS OF SHEMIRAN NOU)</u> MA SHAFIA, S SHAFIA JOURNAL OF APPLIED SOCIOLOGY 23 (246), 139-164	-	2012
<input type="checkbox"/>	<u>Virtual R&amp;D team: Technology Transfer Facilitator</u> NA Ebrahim, MA Shafia, HT Tavakoli	-	2009
<input type="checkbox"/>	<u>COMPARING LONG-TERM EFFECTIVENESS OF EDUCATIONAL E-LEARNING &amp; CONVENTIONAL METHODOLOGIES: AN EMPIRICAL STUDY</u> MA Shafia, I Raesi, S Shafia	-	2009

<input type="checkbox"/>	<u>Commonality Cost Analysis in Supply Chain Based on Common Platform</u> MA Shafia, MS Jabalameli, M Fathollah International Journal of Industrial Engineering and Production Management 19 ...	-	2009
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<input type="checkbox"/>	<u>Analysis of Time Savings Gained by component Commonality in Supply Chains</u> MA Shafia, MG Ariyanezhad, M Fathollah INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING AND PRODUCTION MANAGEMENT ...	-	2009
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<input type="checkbox"/>	<u>Modeling and analysis of resource sharing approach in common platform strategy using petri net theory</u> MA Shafia, M Saidi-Mehrabad, M Fathollah International Journal of Applied Management and Technology 6 (2)	-	2008
<input type="checkbox"/>	<u>EXPLAINING THE ROLE OF UNIVERSITY CONSTITUTIONS IN TRANSITION OF TECHNOLOGY</u> F RAJABI, E HAJVAHEDI, MALI SHAFIA SCIENCE PRODUCTION	-	2008
<input type="checkbox"/>	<u>EXPLAINING THE ROLE OF UNIVERSITY CONSTITUTIONS IN TRANSITION OF TECHNOLOGY</u> F RAJABI, E HAJVAHEDI, MALI SHAFIA SCIENCE PRODUCTION	-	2008
<input type="checkbox"/>	<u>A methodology to determine the cost of spare part for choosing the best mode of shipment</u> DT Gigloo, MA Shafia 2007 IEEE International Conference on Industrial Engineering and Engineering ...	-	2007
<input type="checkbox"/>	<u>BECOMING LEAN THROUGH THE COMMON PLATFORM IN MANUFACTURING</u> M Fathollah, MA Shafia The International Journal of Applied Management and Technology, 47	-	2006
<input type="checkbox"/>	<u>THE MODEL OF CHOOSING SUITABLE PRODUCTION TECHNOLOGY (CASE STUDY: THE INDUSTRY OF PARAFFIN)</u> MA SHAFIA, A TAYYEBA MODARRES HUMAN SCIENCES 9 (239), 87-100	-	2005
<input type="checkbox"/>	<u>NUMERICAL CONTROL MACHINES AND IRANIAN MANUFACTURING</u>	-	2005

	<u>INDUSTRIES: LEVEL OF UTILIZATION</u> MA SHAFIA, R HOSNAVI INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING AND PRODUCTION MANAGEMENT ...		
<input type="checkbox"/>	<u>THE MODEL OF CHOOSING SUITABLE PRODUCTION TECHNOLOGY (CASE STUDY: THE INDUSTRY OF PARAFFIN)</u> MA SHAFIA, A TAYYEBA MODARRES HUMAN SCIENCES 9 (239), 87-100	-	2005
<input type="checkbox"/>	<u>NUMERICAL CONTROL MACHINES AND IRANIAN MANUFACTURING INDUSTRIES: LEVEL OF UTILIZATION</u> MA SHAFIA, R HOSNAVI INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING AND PRODUCTION MANAGEMENT ...	-	2005
<input type="checkbox"/>	<u>MODEL TESTING IN AN INDUSTRIAL ENVIRONMENT WITH STRUCTURAL EQUATION MODELLING</u> MA SHAFIA, R HOSNAVI, AAR ALI AMIRKABIR 15 (57), 134-141	-	2004
<input type="checkbox"/>	<u>MODEL TESTING IN AN INDUSTRIAL ENVIRONMENT WITH STRUCTURAL EQUATION MODELLING</u> MA SHAFIA, R HOSNAVI, AAR ALI AMIRKABIR 15 (57), 134-141	-	2004
<input type="checkbox"/>	<u>A MODEL TO MEASURE THE IMPACT OF CAD/CAM/CAE VIRTUAL INTEGRATION ON ORGANIZATIONS SURVIVAL</u> R HOSNAVI, MA SHAFIA, TM GHAZI MODARRES HUMAN SCIENCES 7 (330), 45-60	-	2003
<input type="checkbox"/>	<u>A MODEL TO MEASURE THE IMPACT OF CAD/CAM/CAE VIRTUAL INTEGRATION ON ORGANIZATIONS SURVIVAL</u> R HOSNAVI, MA SHAFIA, TM GHAZI MODARRES HUMAN SCIENCES 7 (330), 45-60	-	2003
<input type="checkbox"/>	<u>An ISM approach for analyzing the factors in technology transfer Pages 335-348</u> <u>Right click to download the paper Download PDF</u> MM Mazdeh, MA Shafia, R Bandarian, A Kahrizi	-	
<input type="checkbox"/>	<u>Session Number: 5.6: Global Marketing II</u> M Cleveland, M Laroche, P Naghavi, MA Shafia, F Karakaya, ... BOARD OF GOVERNORS, 348	-	
<input type="checkbox"/>	<u>Utilizing TOPSIS intensified with adjustment similarity factor to determine price of technology Pages 1385-1396 Right click to download the paper Download PDF</u> A Shakeri, MA Shafia, SM Seyedhosseini	-	
<input type="checkbox"/>	<u>Developing an Integer Chebyshev Goal Programming Model for Budget Allocation Problem–A Case Study</u> MA Shafia, S Khodamoradi, M Hagi, H Sabzian	-	
<input type="checkbox"/>	<u>A Conceptual Model for Technology Transferability from Research and</u>	-	



Technology Organizations: Using a Delphi Method  
MM Mazdeh, MA Shafia, R Bandarian, A Kahrizi

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INFLUENCING FACTORS ON TECHNOLOGY LOCALIZATION IN IRANIAN  
CONTEXT: A MULTI-CASE STUDY -  
MA Shafia, M Mohammadi, AR Babakhan, M Ameri, F Lotfali

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Meta-Analysis of Methods and Findings of Urban Quality of Life in Iran  
S Shafia, MA Shafia, G Kazemian

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