

# Curriculum Vitae



Dr. Hamid Behbahani

## **1. Address:**

(a). Present Work Address:

Civil Engineering College,  
Narmak, Tehran, Iran

Tel: 98-21-77896623

Tel Fax: 98-21-77454053

Telex: 212965 IUST

Iran University of Science and Technology,

(b). Permanent Residential Address:

Apt. No. 6, Building. No. 88, Mahyar St., Valyasar, -Jordan Ave.  
Tehran, Iran

Tel: 98-21-22050775

## **2. Personal Data:**

- Date of Birth: Jan. 14, 1941

- Place of Birth: Shiraz, Iran

- Nationality: Iranian

- Marital Status: Married With Two Children

### **3. Education:**

#### **(a). PhD**

Degree: PhD in Civil Engineering / December 1977

Place: University of Florida, Gainesville, Florida, USA

Major Area: Transportation Engineering & Planning and Traffic Eng.

Minor Area: Materials

Dissertation: Econocrete (Economic + Concrete) for Use in Highway

#### **(b). M.S.E.**

Degree: M.S.E. in Civil Engineering December 1974

Place: University of Florida, Gainesville, Florida, U.S.A.

Major Area: Transportation and Traffic Eng Engineering

Thesis: Analysis of Different Solis Compaction Methods in the USA Highways

#### **(c). B.S.**

Degree: BS in Civil Engineering July 1970

Place: Iran University of Science and Technology (IUST).

### **4. Current Duties at the University**

- Teaching B.S., M.S.E., and Doctoral Students and Organizing Short Courses.
- Head of Civil Engineering College of Iran University of Science and Technology from 1977 to 1997.
- Taught Courses on Highway Geometric and Design, Transportation Planning, Airport Planning and Design, Railway Planning and Design, Public Transportation.
- Supervision of nine Doctoral Dissertations, and More than 70 Master Thesis, and 70 Students Seminars.

## Teaching Experience

<u>Position Held</u>	<u>Period</u>	<u>Courses Taught</u>
a. Asst. Professor  Civil Engineering College Iran University of Science and Technology	Sept. 1977 to July. 1992	All Subjects  Related To. Transportation Planning & Eng Both at Graduate And Undergraduate
b. Part Time Asst. Prof. University of Mazandaran	Sept. 1978 to July. 1982	Highway Engineering, and Project., Traffic Eng., Pavement Design And Landscaping
c. Part Time Asst. Prof. University of Sistan and Balochestan	Sept. 1981 to July. 1985	Highway Geometric Design & Project, Traffic Eng., Pavement Design
d. Part Time Asst. Prof. in Civil Eng., Dept., Khajeh Nasiredin Toosi University	Sept. 1984 to April. 1984	Highway Geometric Design and Project Airport Planning and Design
e. Part Time Asst. Prof.  Tehran University	Sept. 1984 to April. 1984	Highway  Design, and Projects
f. Associate Professor Civil Engineering  College, Iran University of Science & Technology	July. 1995 Feb. 2002	Advance Traffic Engineering, Airport Planning & Design Railway Planning & Design, Special Problem for Ph.D. Students.
h. Full Professor CE College Iran University of Science & technology	Feb. 2002 Until now	

## Publications Books

### A. Text Books

1. Highway Geometric Design and Construction, Center of University Press.
  - First Edition ..... 1982
  - Second Edition ..... 1983
  - Third Edition ..... 1984
  - Fourth Edition ..... 1989
  - Fifth Edition ..... 1991
  - Sixth Edition ..... 1992
  - Seventh Edition ..... 1993
2. Behbahani H., Eamani M., Airport Planning and University of Science and Technology Press.
  - First Edition ..... 1985
  - Second Edition ..... 1990
  - Third Edition ..... 1994
3. Behbahani H., Full Dept Asphalt Concrete Pavement Design, September 1988.
4. Behbahani H., Khaki A.M., Highway Machinery and Equipment and Construction Methods. Iran University of Science and Technology Jahad Press.
  - First Edition ..... 1984
  - Second Edition ..... 1984
  - Third Edition ..... 1993
5. Behbahani H., Talebi Z., Daiee Nezah F., Architectural Design Criteria for Multi-Storey Carparking, Building and Housing Research Center, 1995.
6. Behbahani H., Khaki A.M., Building Machinery and Equipment, and Construction Methods, September 1986, Central University Jahad Press.
7. Behbahani H., Ghahremani H., Amini B., and Ahmadi Nejad M., Traffic Engineering Technology Theory and Praticce 1995, Tehran Traffic and Transportation Organization Press.
8. Behbahani H., Shahi J., Forecastig of Future Urban Trip Generation Technique 1996 Yazd University Press.
9. Behbahani H., Hamed P., Guidelines for Urban Street Design, Spring 2000, ArkanPress, Isfahan, Iran.
10. Behbahani H., Ghahremani H., Amini B., and Ahmadi Nejad M., Traffic Engineering Technology Theory and Praticce 1995, Tehran Traffic and Transportation Organization Press.

11. Behbahani H., Mansour Khaki A., Construction Planning Equipment, and Methods, Iran University of Science and Technology, 2003
12. Behbahani H., Mansour Khaki A., Construction Equipment and Methods Second Volume, First Edition Winter 2004, Iran University of Science and Technology Press, Tehran, Iran.
13. Behbahani H., Abtahi S.M., Railway Engineering Spring 2004, Research Institution of Pajoohande, Barin Press, Isfahan, Iran, (First Edition).
14. Behbahani H., Ahmadi Nejad M., Abutalebi Esfahani M., Methodology of Transportation Studies.

## **PART B: Research Papers**

1. Behbahani H., B. E. Ruth, Properties of Econocrete Fly ash Mixtures, Proceeding Annual Meeting Florida Section American Society of Civil Engineering September 10-12, 1997, PP 185-192, Florida, U.S.A.
2. Behbahani H., Evaluation of characteristics of Rubber Asphalt Concrete Mixture, International Journal of Engineering Science, Vol. H, No. 1 & B-2, Summer & Winter 1991, PP 43-103, Iran University of Science & Technology.
3. Behbahani H., Dynamic Quality Control of Flexible Pavement, International Journal of Engineering Science, Vol. IV, No. I., B-2, Summer & Winter 1993, PP 21-32, Iran University of Science & Technology.
4. Behbahani H., The Effect of Asphalt Mixture Safety, Proceeding Traffic and Transport Solution International Conference, April 11-13, 1994, PP 352-361, Amsterdam, Holland.
5. Behbahani H., Baziar M.H., Fallah H., Review of Landslides Affecting Road Transportation System in Iran, Proceeding New Horizons in Roads and Road Transport, ICORT-95, December 11-14, Vol. H, PP 1386-1392, Department of Civil Engineering, University of Roorkee, India.
6. Behbahani H., Extension of Bandar Abbas Airport Runway on the Persian Gulf Bed by Using A Geotextil, New Horizons in Road and Road Transport Conference ICORT-95, December 11-13, Vol. I, 1995, PP 260-269, Department of Civil Engineering, University of Roorkee, India.
7. Behbahani H., Homami H.R, Farbis F., Urban Roads Pavement Management System (URPMS), Proceeding of the second International Conference in Civil Engineering on Computer Applications, Research and Practice, University of Bahrain, Unesco the British Council, American Concrete Institute, April 1996, PP 101-106, Bahrain.
8. Behbahani H., Jabbari E., Taheri A., The use of Local Pozzolans in the Repair of Marine Structures in the Persian Gulf Region, First Asia-Pacific Proceeding on Offshore Systems: Mobile & Floating Structures: 10-11 December 1996, PP 7-14, Kualalumpur, Malaysia.
9. Behbahani H., The Use of Geotextiles to Improve the Structural Stability of Fill Materials for Bandar Abbas Runway Construction, Earth Reinforcement Proceeding of the International Symposium on Earth Reinforcement, 12-14 November 1996, PP 569-572, Kyushu University Fukuoka, Japan.

10. Behbahani H., Evaluation of Road Safety Problem in Developing Countries, Scientific and Technical Journal of Jaddeh, Iran Road Development Organization Publication No. 31, 1995, PP 40-50, Ministry of Road and Transportation of Iran.
11. Behbahani H., Ziari H., Assessment of Concrete Strength by Core test Method in Iran, Proceeding 22<sup>nd</sup> Conference on Our World in Concrete & Structures, 25-27 August 1997, PP 95-99, Singapore.
12. Behbahani H., Ameri M., Evaluation of Steel Fibers in Strengthening Concrete Pavement & Overlays, Proceedings of Six International Colloquium on Concrete in Developing Countries, Juan 4-6, 1997, PP 315-324, Lahore, Pakistan.
13. Behbahani H., Taheri A., Ghodoussi P., Rheological Behavior of Super plasticized Concrete Containing Fly Ash, Journal of Engineering Vol. 7, No. 1, 1997, PP 47-58, T.B. Centre for Science & Technology, Calcutta, India.
14. Behbahani H., Eftekharzadeh F., An Examination of Surface Settlements by Sahlrow Tunneling in Tehran and Improvement Archived by Jet Grouting, International Conference on Ground Improvement Techniques, 7-8 May 1997, PP 65-74, Macau.
15. Behbahani H., Eftekharzadeh F., A Study of Ground Deformation by Shallow Tunneling in Highly Compacted Cementized Soil of Tehran Using NATM, Deformation and Progressive Failure in Geomechanics (IS-Nagoya 97), 5-7 October 1997, PP 749-759, Nagoya, Japan.
16. Behbahani H., Mahmoodzadegan B., Large Displacement Testing of Nonwoven and Extruded Geogrids on Persian Gulf Coast, International Conference on Land Reclamation and Rehabilitation 25-27 August 1997, PP 110-123, Penang, Malaysia.
17. Behbahani H., Arabani M., Decision Making on Alternatives Between Rehabilitation and Reconstruction of Damaged Roadway Structures in Mangil Rudbar Earthquake Based on Cost Criteria, Proceeding in International Conference on Leadership and Total Quality Management in Construction and Building, 6-8 October 1997. PP 54-60, Institution of Engineering, Singapore.
18. Behbahani H., Taheri A., Jabbari E., Evaluating concrete Repair Materials Baded on Natural Pazzolans, Proceeding International Conference on Inspection, Appraisal, Repairs & Maintenance of Building & Structures, 15-16 May 1997, PP 349-358, CI-Premier Conference organization, Singapore.
19. Behbahani H., Ahmadi Nejad M., Evaluation of the Role of Underground Railway System as an Urban Transportation Mode in Tehran, Proceeding XIII<sup>th</sup> IRF World Meeting, Co-Sponsored by the Transportation Association of Canada, 16-20 June 1997, PP 171-180, Toronto, Ontario, Canada.

20. Behbahani H., Ziari H., Asphalt Surface Recycling Assessment (Shariati Street in Tehran), International Journal of Engineering Science, Vol. 9, No. 1, 1998, PP 65-72 Iran University of Science & Technology.
21. Behbahani H., Elahi S.M., Ranking Accidents With Consideration of Those Not Involved in the Accident (NIA) Cost Safety on Road: An International Conference (SORIC 98), 26-28 October 1998, PP 299-305, University of Bahrain College of Engineering.
22. Behbahani H., Ahmadi Nejad M., Modeling the Share of Special Route System Within the Whole Public Transport System, Journal of Engineering Science, vol. 9, No. 1, 1998, PP 65-72, Iran University of Science & Technology.
23. Behbahani H., Ahmadi Nejad M., Estimating Travel Demand (Tehran Underground Share in Perspective) International Journal of Engineering Science, Vol. 10, No. 2, 1999, PP 67-85, Iran University of Science & Technology.
24. Behbahani H., Fatahi H., Estimation of O.D. Matrix from Observed Link Volumes & Socio- Economic Data in the Study Area (Case Study: Esfahan Region), International Journal of Engineering Science, Vol, 10, No. 7, 1999, pp. 111-123, University of Science & Technology.
25. Behbahani. H, Tabatabai. S.A, the Prediction of Asphaltic Pavements Temperature at Ahwaz (Iran), Journal of Faculty of Engineering, No. 22, Spring & Summer 1999, pp.59-71 University of Tabriz.
26. Behbahani. Hamid, Advance Management Planning, Repair and Maintenance of Rural Highway and Urban Network in Iran, Traffic Engineering Science, Vol. 9, NO.1, 1998, pp. 65-72, Iran University of Science & Technology.
27. Behbahani. Hamid, Effect of Geometric Design of Highway on Flexible Asphalt Concrete Layer Failure in Iran, Scientific and Technical Journal of Jaddeh, Iran Road Development Organization Publication No. 42, Spring 2000, pp. 11-20, Ministry of Road and Transportation of Iran.
28. Behbahani. H, Ziari. H, Electrical Resistance of Asphalt & its Application in Measuring Technical Characteristics of Concrete Asphalt, Journal of Engineering & Applied Sciences, Vol. 19, No. 1, Jan- June 2000, pp. 126- 136, N. W.F.P. University of Engineering & Technology, Peshawar- Pakistan.
29. Behbahani. Hamid, A Study on Shahid Rajaei Port As A Harbor For Transshipment of Goods In Iran, Scientific and Technical Journal of Jaddeh, Iran Road Development, Organization Publication No. 43, Winter 2000, Ministry of Road and Transportation of Iran.
30. Behbahani. Hamid, Khabeeeri M.M, Site Selection of Several Stories Parking Under Effect of Traffics Tall and Their Limitation in at own with Building,



Proceeding of Second International Conference on Tall Building, 7- 10 May 2001, pp. 57- 63, Iran.

31. Behbahani. Hamid, Arabani. Mahyar, Determination of the Relation Between Compressive Strengths of Asphalt Concrete Obtained From Hveem stabilometer and Unconfined Compression Test, Journal of Engineering and Applied Science, Vol. 20, No. 2 July Dec 2001, pp. 100- 108, N. W.F.P. University of Engineering & Technology Peshawar Pakistan.
32. Behbahani. Hamid, Consideration of Transportation System as a Main Factor of Infrastructure of Sustainable Development of 22<sup>nd</sup> District of Tehran Municipality, First Conference on New Horizon of Metropolitan Sustainable Development of 22<sup>nd</sup> District Sept. 4- 5, 2001, Tehran, Iran.
33. Behbahani. Hamid, Optimization Methods of Management and Traffic Control for Increasing Safety in Freeways, Proceeding of Second Conference of Traffic Management Sept 20- 23, 2001, PP.299 to 338 Tehran, Iran.
34. Behbahani. Hamid, Shabni. Shahin, Evaluation of Roundabout Design & Engineering Shahid Chamran University, No. 2, Dec. 2001, PP. 55- 74, Shahid Chamran University, Ahwaz, Iran.
35. Behbahani. Hamid, Khorassani Zadeh. A, Technical and Economical Effect of Soil Improvement on Design of Flexible Pavement, 4<sup>th</sup> International Conference on Ground Improvement Techniques, 26, 28 March 2002, PP Kuala Lumpur, Malaysia.
36. Behbahani. Hamid, Salehi. S, Suitable Methods of Highway Safety Vs Snow & Ice for Iran, Scientific and Technical, research Quarterly Magazine in the Context of Road and Transportation Engineering, An Iran Road Development Organization Publication spring 2002, PP. 35- 61, Ministry of Road & Transportation, Tehran, Iran.
37. Behbahani. Hamid, Shahi. Jalil, Jafarpur Amir, Environmental Interactions Between Transportation and Land-use, Third International Conference on Traffic and Transportation Studies (ICTTS 2002), Sponsored by Northern Jiaotoong University July 23- 25/ 2002 China.
38. Behbahani. Hamid, Shariat Afshin, Presentation of Emergency Route Guide System for Tehran, e-Safety Congress, IT Solution For Safety and Security in Intelligent Transport Sponsored by ERTICO, 16- 18 September 2002 Lyon France.
39. Behbahani. Hamid, Mohamad Elahi. S, Element Analysis of Pavement Condition for Urban Roadways, A Tehran Case Study, International Seminar on Tunnel and Road Technology, Sponsored by PIARC, Nov. 4-8, 2002 China.

40. Behbahani. Hamid, Karimy Rahimy H., Artificial Neural Network for Enhancing Selection of Pavement maintenance Strategy, Scientific and Technical Research Quarterly Magazine in the Context of Road and Transportation Engineering, An Iran Road Development Organization Publication Autumn 2002, PP. 25- 38 Ministry of Road & Transportation, Tehran, Iran.
41. Behbahani. Hamid, Nazadi Alireza., Soil Lime Stabilization of Access Road Sub grade in Zabol Region; Scientific, Promoting, Quarterly Magazine in the Field of Road and Transportation an IRDO Publication, Winter 2003, Ministry of Road & Transportation, Tehran, Iran.
42. Behbahani. Hamid, Elahi Mohammad, Proposed Model for Deterioration Prediction of Pavement Condition for Tehran Roadway Networks, International Journal of Civil Engineering, Sep, 2003, Vol. 1, No. 1, Iran University of Science & Technology.
43. Behbahani H., Khabiri M.M., Geometric Design and Location of Para transit Transportation System Terminals, Scientific, Promoting, Quarterly Magazine in the Field of Road and Transportation an IRDO Publication, spring 2004, PP 4-12, Ministry of Road & Transportation, and Tehran, Iran.
44. Behbahani H., Shabani Sh., Evaluation of Identification Methods of Road Network Hazardous Location and High Risk Sites, Scientific Promoting, Quarterly Magazine in the Field of Road and Transportation and IRDO Publication, Autumn 2004, Ministry of Road & Transportation, Tehran, Iran.
45. Behbahani H., Elahi M., Prediction of the Pavement Condition for Urban Roadway a Tehran, Case Study, International Journal of Engineering, Vol. 18, Oct, Nov 2004, Islamic Republic of Iran, Tehran.
46. behbahani H., Sarkeshiki F., Presentation of Optimum Mathematical Model for International Air Passenger Forecasting in the Iranian Air Space, International Journal of Civil Engineering Dec 2004, Iran University of Science & Technology, Tehran, Iran.
47. Behbahani H., Tehran Transportation & Traffic Problem, Case Study: Tehran Public Transportation, Smart Move the Middle East Public Transport Conference, 12-14 October 2004, Dubai, UAE.
48. Behbahani H., Sahaf A., LRT Effect on Traffic & Environment, Case Study: City of Mashhad, 8th International Conference on Application of Advanced Technology in Transportation (AATT 2004), Beijing International Conference Centre, Beijing, China.
49. Behbahani H., Abootalebi Esfahani M., Pavement, Management & Asset Management, Iranian Institute of Asphalt, Ministry of Transportation and Road, Tehran, INN 2/3/4 Dec 2004, Effect of Restricted Traffic Zone in CBD's Case Study Mashhad City.

50. Behbahani H., Abootalebi Esfahani M., Dynamic Simulation Test on Tehran Traffic, Traffic Engineering Issues (T.E.I), PP 34-41, Quarterly Journal, Spring 2004, Tehran Transportation & Traffic Organization, Tehran, Iran.
51. Behbahani H., Sahaf S.A., 2th National Civil Engineering Congress, May 2005, Iran University of Science & Technology, Tehran, Iran.
52. Behbahani, H., Abtahi, S.M., Determination of Suitable System for Assessment of Flexible Pavement in Iran, Six<sup>th</sup> International Conference of Civil Engineering (ICCE 2003) No. 675, Spring 2003, Isfahan, Iran.
53. Behbahani, H., Ziari, H., Jaiervand, K., Effects of Grading of Aggregate and Bitumen Percentage on Technical Specification of Porous Asphalt, Technical and Engineering Journal of Shahid Chamran University, Vol. 4, PP. 54-69, Winter 2006, Ahvaz.
54. Behbahani, H., Elahi, M., An Investigation to Determine the Minimum Acceptable Road Condition for Iran's Highways, International Journal of Civil Engineering, Iran University of Science and Technology, March 2006, Vol. 4, No. 1, PP. 64-75.
55. Behbahani, H., Ziari, H., Khabiri, M.M., Providing A Decreasing Congestion Model for Urban Street Network, the Journal Transport, Vilnius Gediminas Technical University and Lithuanian Academy of Science, 2006, Vol. XXI, No. 3, 207-212.
56. Behbahani, H., Development of Railway Transport Mode between Iran and Kazakhstan for More Goods Cooperation between Two Countries, (TRANSEUR-ASIA-2006), September 20-23, 2006, Astana, Kazakhstan.
57. Behbahani, H., Traffic Paints Marking and Their Effect on Vehicles and Passengers Safety, the First National Seminar on Traffic Paints, Pavement Marking and Safety, By Iran Polymer and Petrochemical Institute, November 12-13, 2006, Tehran.
58. Behbahani, H., Sahaf, S.A., Designing a Mathematical Model for Predicting the Mechanical Characteristics of Asphalt Pavement Using Dynamic Loading, 3<sup>rd</sup> Conference on Asphalt and Asphalt Mixes November 14-15, 2006, Tehran, Iran.
59. Behbahani, H., Processing of Comprehensive Transportation Planning of Iran in 2026 Horizon, National Conference on Rolling Stocks Industry; Opportunities and Challenges, By Sharif University of Technology Jahad and Iran University of Science and Technology Jahad Feb., 4-5, 2007, Tehran.
60. Behbahani, H., Sahaf, S.A., Comparison between Traditional Method and Undestructive Method of Structure in Design of Strength Asphalt Surface Layer; 3<sup>rd</sup> Conference on Asphalt Mixtures November 14-15, 2006, By Asphalt Institute.

61. Behbahani, H., Haghghi, F.R., Fasihpour, A., Use of New Techniques in the Intelligent Transportation Systems to Reduce Accidents, Professional and Analysis Journal By Management and Planning Organization of The Country, 5<sup>th</sup> year, No. 206, March, 2006, PP. 15-20, Tehran.
62. Behbahani, H., Fathian, D.F., Fathian, D.F., Prescription of Safety for Highways Bottleneck in the Country, Quarterly Journal of Scientific and Specialized Rahvar, April. 2007, No. 4, PP. 7-11.
63. Behbahani, H., Sahaf, S.A., Artificial Neural Network Method for Estimating Pavement Layer Condition Using Deflection Data, ICASTOR Journal of Engineering, Vol. 1, No. 2 (2007), PP. 49-60.
64. Behbahani, H., Saeedkia, K., Comparison of Private Systems of Highway Construction and Maintenance, Technical Journal of Transportation By Ministry of Road & Transportation, No. 10, Summer 2007, PP. 10-16.
65. Behbahani, H., Forecasting Iran's Future Transit among Regional Countries; and Suggestion of Development of Basic and Important Transit Route Construction for Long Term Planning 2026, 2<sup>nd</sup> Iran Transit Forum, summer 2007, Ministry of Road and Transportation.
66. Behbahani, H., Abtahi, M. An Improved Methodology for Measurement of Uninterrupted-Flow Capacity Affected By Pavement Condition, Esteghlal Journal of Engineering, Isfahan University of Technology Vol 26, No. 1, September 2007, PP. 79-92, ISSN 1025-2851.
67. Behbahani, H., Taghi Nejad Omran, A., Nuhi, E., Langrudi, H., Role of U-Turns in Urban and Rural intersection, Quarterly Journal of Jadeh. Scientific Promoting in the Field of Road and Transportation Engineering, Autumn 2007, PP. 76-87.
68. Behbahani, H., Haghghi, F.R., Developing A Neural-Based Traffic Signal Control, Indian Centre for Advanced Scientific and Technological Research of Engineering, (ICASTOR) Vol. 1, No. 2, September 2007.
69. Behbahani, H., Ahmadi Nejad, M., Design of New Cities With U-Turns Instead of Intersections and Traffic Signals to Improve All-Directions Traffic Movements, Modarres Professional and Engineering Journal, Tarbiat Modarres University.
70. Behbahani, H., Ahmadi Nejad, M., Eghbalian, A., Identification, Classification and Evaluation of Parameters Affecting Variable Message Signs (VMS) Location in Urban Highway, Quarterly Journal of Road and Transportation Engineering, No. 58, Summer 2007, PP. 56-70.

71. Behbahani, H., Ziari, H., Aboutalebi Esfahani, M., Evaluation of Stability of Different Gradations in Porous Asphalt, Indian Centre for Advanced Scientific and Technological Research of Engineering Vol .1, No. 1, (2007) PP. 33-48.
72. Behbahani, H., Ziari, H., Aboutalebi, M., Determining the Thickness of Porous Asphalt According to Non-Level Drainage, ICASTOR Journal of Engineering Vol .1, No. 1, (2008) PP. 1-16.
73. Behbahani, H., Ziari, H., Nobakht, Sh., the Use of Polymer Modification of Bitumen for Durant Hot Asphalt Mixtures, Journal of Applied Science Research, Insinet Publication, October 2007, PP 1-4.
74. Behbahani, H., Ziari, H., Nobakht, Sh., Use of Additives for Modifying Bitumen and Improvement of Durability in Asphalt Mixtures- Case study of Polymers.
75. Behbahani, H., Afandizadeh, Sh., Rahimov, K., Analysis of Passenger Time in Metro Stations By Using Simulation Technique.
76. Behbahani, H., Rahimov, K., Optimization of Passenger Delay in Subway Station Using Multiple Attribute Decision Making (MADM) Method.

## **"Executive Background"**

- 1- Advisor to the Islamic Republic of Iran president for the country's traffic and transportation affairs as per decree No. 330222 dated 18 October 2005 by the esteemed Islamic Republic of Iran president.
- 2- Deputy Minister of Road and Transportation for Planning and Transport Economy as per decree No. 11/16559 dated 4 December 2005 by the Esteemed Minister of Road and Transportation of Islamic Republic of Iran.
- 3- Supreme advisor of Building and Housing Research Center affiliated to the Ministry of Housing and Urban Planning as per decree No. 1-1465 dated 21 June, 1995 by the Head of Building and Housing Research Center.
- 4- Deputy for Traffic and Transportation, Tehran Municipality as per decree No. 8210, 8213460 dated 14 June 2003 by Tehran Mayor.
- 5- Managing Director and Chairman of the Board of Tehran Traffic and Transportation Organization as per decree No. 8140/8156476 dated 5 January 2003 by Traffic and Transportation Deputy and as per approval dated 1 January 2003 of the Board of Directors of Traffic and Transportation Organization and Tehran Mayor .
- 6- Dean of the Civil Engineering College, Iran University of Science and Technology from 14 February 1979 to 14 February 1999 for 20 years.
- 7- Head of Welfare Staff, Ministry of Culture and Higher Education Islamic Republic of Iran since 1995 for 2 years.
- 8- Head of Tehran Construction Engineers Organization in the second round and Acting Deputy Minister of Housing and Urban Planning for 2 years.
- 9- Head of Tehran Construction Engineers Organization (NGO) from 2005 to 2006.
- 10- Managing Director of Several Consulting Engineers companies and Several Transportation Planning & Engineering Projects, Such as: Shahrood Airport Project, Sahand New-Town Comprehensive Transportation Planning, Bandar Abbas and Yazd Comprehensive Air Transportation Studies.
- 11-X-Member of Executive Committee of Imam International Airport, 1985.
- 12- Executive Member of Haji Abad University Village.

## **" Honorable Mentions Awarded"**

- 1- Honorable Mention of the 7th Conference of Traffic and Transportation Engineering Awarded By Traffic and Transportation Deputy, Tehran Municipality in 2006.
- 2- Honorable Mention of the 16th International Conference on Safe Society Awarded By Health Deputy, Ministry of Health, Treatment and Medical Education and Scientific Secretary of the Conference Via Letter No. S/53003 Dated 14 July, 2007.
- 3- Giving the Third Rank for Carrying Out the Development Researches Named "Innovation of a Method for Development of Smooth Non-Intersection Traffic" in the 19th Kharazmi International Festival By the Esteemed President of the Islamic Republic of Iran
- 4- Gaining the First Rank in Rendering Service in the Field of the Country's Scientific Development in Khatam Festival in 2005 in the Presence of the Esteemed President of the Islamic Republic of Iran in Iran University of Science and Technology.
- 5- Honorable Mention of the 10th Kharazmi International Festival Awarded By the Deputy Minister of Culture and Higher Education and Head of the Iran Industrial and Scientific Researches Organization, For the Membership in Specialized Construction Committee on 6 February, 1997.
- 6- Honorable Mention of the 9th Kharazmi International Festival Awarded By the Deputy Minister of Culture and Higher Education and Head of Iran Industrial and Scientific Researches Organization, For Membership in Specialized Committee, on 8 February, 1996.
- 7- Honorable Mention of 5th Conference of Rail Transportation Awarded By Managing Director of the Railways of the Islamic Republic of Iran (Ministry of Road and Transportation) For Presenting a Typical and Selected Paper, Iran University of Science and Technology, on March 2000.
- 8- Honorable Mention For Rendering Long-Time services in the Auditing Board of Iran University of Science and Technology Awarded By the President of the University.

## **"INVENTIONS"**

- 1- Invention of New U-Turn System Instead of Intersection and Traffic Signal Lights with Providing All-Directions Traffic Movements Patent No.30899 Dated 12th January 2005, 20 Years Valid From Foregoing Date.
- 2- Invention of A Technical method to Establish New Towns Without Intersections and Traffic Signal Lights to Provide All-Directions Traffic Movements, Patent No.32138, Dated 1th September 2005, 20 Years Valid From Foregoing Date.
- 3- Invention of A Technical method to Eliminate The Bridges of Through Traffics of Interchanges With Use of Construction of a Pair U-Turn With Providing All-Directions Traffic Movements, Patent No. 32065, Dated 14th November 2005, 20 Years Valid From Foregoing Date.
- 4- Invention of An Equipment to Measure Hydraulic Conduction Indexes of porous Asphalt Concrete, Patent No. 32/M/16643, Dated 28th November 2007, 20 Years Valid From Foregoing Date.



## "MEMBERSHIPS"

- 1- Member of Research Council, Bitumen and Asphalt Mixtures Research Center, As Per Decree No. 1/4563 Dated 4 January, 2007 by the Esteemed President of Iran University of Science and Technology and Approval No. 31/14312 Dated 19 December, 2006 By Deputy Minister of Road and Transportation for Education, Research and Technology.
- 2- Member of 27- Person High Council for Drawing Up the country's 5<sup>th</sup> Construction Plan Headed by the First Vice President as Per Decree No. 111230 Dated 7 October,2007 by the Esteemed President of the Islamic Republic of Iran.
- 3- Member of the Board of Directors, Raja Passenger Trains Company as Per Decree No. 8334 Dated 28 November,2007 and Agreed Minutes of Extraordinary General Assembly of Raja Passenger Trains Company dated 27 November,2007.
- 4- Member of the 8<sup>th</sup> Round of Auditing Board, Iran University of Science and Technology for 2 Years as Per Proposal No. M.H. 1/482 Dated 8 April ,2007 of the University and Letter of Consent No. 10/1323 Dated 12 May, 2007 of Minister of Science, Research and Technology and According to Article 2, Constitution of the Auditing Board of Universities and Higher Education Institutes.
- 5- Member of the 7<sup>th</sup> Round of Auditing Board, Iran University of Science and Technology for 2 Years as Per Proposal No. D-M-1/737 Dated 30 December ,2004 of the University and Letter of Consent No. 15/5822 Dated 6 February 2005of Minister of Science, Research and Technology.
- 6- Member of the 6<sup>th</sup> Round of Auditing Board, Iran University of Science and Technology for 2 Years as Per Proposal No. D-M-1/687 Dated 29 September,2002 of the University and Letter of Consent No. 15/4108 Dated 27 October,2002 of Minister of Science, Research and Technology and According to Article 2, Constitution of Auditing Board of University and Higher Education Institutes.
- 7- Member of High Council for the Country's Cities Traffic as Per Decree No. 11/18468 Dated 31 December,2005 of Minister of Road and Transportation, Pursuant to Letter No. 11/1835 Dated 28 December,2005 of Ministry of the Interior.
- 8- Member and Vice President of High Council of Policy Making and Planning for the Country's Transport Infrastructures as Per Decree No. 11/13893 Dated 1 October,2006 of the Esteemed Minister of Road and Transportation.
- 9- Member of Auditing Board, Committee for Job Promotion of Experts, Advisors and Managers Employed in Ministry of Road and Transportation as Per Decree No. 11/21210 Dated 12 February 2006 and According to Approval No. 25703T/4162 Dated 15 June by the Board of Ministers and Paragraph 6, Circular

No. 1802/103669 Dated 14 August, 2002 of Management and Planning Organization.

- 10-Member of the Board of Directors, Tehran Building and Construction Engineering Society Organization in the 4<sup>th</sup> Round for 3 Years as Per Decree No. 20959/100/02 Dated 1 August, 2006 by Minister of Housing and Urban Planning, Regarding Articles 69 and 70, Constitution of Building and Construction Control and Engineering Society and Approval of Supervisory Board for the 4<sup>th</sup> Round of Election of Board of Directors, Tehran Building and Construction Engineering Society Organization.
- 11-Member of Central Council, The Country's Engineering Society Organization for 3 Years in the 3<sup>rd</sup> Round as Per Decree No. 2990/100/02 Dated 15 September,2004 by Minister of Housing and Urban Planning Regarding Articles 19 and 20, Constitution of Building and Construction Control and Engineering Society as Well as Articles 108 and 109 of the Constitution, Regarding Gaining the Necessary Votes in Agreed Minutes Dated 15 July,2004 of the 7<sup>th</sup> Session of General Board, Building and Construction Engineering Society.
- 12-Member of Civil Engineering Committee, Technology and Engineering Group, Planning High Council as Per Decree No. 113/2539 Dated 9 November,1996 by the Minister of Culture and Higher Education and According to Proposal of Head of Technology and Engineering Group.
- 13-Member of Inter-City Transportation and Transportation Words Choosing Group, Persian Language and Literature House of Culture as Per Decree No.1662 Dated 7 January,1997 by Director of Transportation Words Choosing Group.
- 14-Member of the Board of Directors, Tehran Traffic and Transportation Organization as Per Decree No. 10/7417016-2 Dated 26 July,2005 by Tehran Mayor and According to Proposal No. 40/14668 Dated 9 July,1995 of Traffic and Transportation Deputy and Article 7 of the Constitution.
- 15-Member of the Board of Directors, Tehran Building and Construction Engineering Society Organization in the 2<sup>nd</sup> Round as Per Decree No. 3628/100/-2 Dated 19 September,2000 for 3 Years by Minister of Housing and Urban Planning and According to Agreed Minutes Dated 20 August 1996 of Supervisory Board for Election of Board of Directors, Tehran Building and Construction Engineering Society Organization.
- 16-Member of the Board of Directors, Tehran Building and Construction Engineering Society Organization in the 3<sup>rd</sup> Round as Per Decree No. 400/1123 Dated 12 August,2003 for 3 Years by Minister of Housing and Urban Planning and According to Agreed Minutes Dated 11 August,2003 of Supervisory Board for Election of the Board of Directors, Tehran Building and Construction Engineering Society Organization.

- 17-Member of the Board of Directors, Tehran Building and Construction Engineering Society Organization in the 1<sup>st</sup> Round as Per Letter No. 400/997 Dated 15 July, 2007 by President of the Organization and According to Article 70, Constitution of Building and Construction Control and Engineering Society, the Validity of the Membership was Ratified and Conveyed by Minister of Housing and Urban Planning.
- 18-Member of Traffic Expert Examination Board as Per Decree No. 400/1694 Dated 4 November,2002 by Deputy Minister of Housing and Urban Planning for Building and Construction Executive and Engineering Society and According to Article 27, Constitution of Building and Construction Control and Engineering Society.
- 19-Member of the Officers, Traffic Specialized Group, Board of Directors, Tehran Building and Construction Engineering Society Organization as Per Decree No. 110/79/11500 Dated 22 January,2001 by Head of Tehran Building and Construction Engineering Society Organization.
- 20-Member of Master Plans or the Country's Air Transport and Airport Network Master Plan as Per Decree No. 794 Dated 1 November, 1992 by the Executive Manager of the Country's Air Transport and Airport Network Master Plan.
- 21-Member of Urban Board and Traffic Committee as Per Decree No. 300/915 Dated 7 July, 1995 by Deputy Minister of Housing and Urban Planning for Architecture and Urban Planning.
- 22-Member of the Board of Directors and Member of in good Standing of the Iranian Society of Civil Engineering (I.S.C.E)
- 23-Member of the Board of Directors, the Iranian Society of Transportation Engineering (I.S.T.E)
- 24-Member of American Institute of Transportation Engineering (I.T.E)
- 25-Member of the Road Engineering Association of Asia and Austral Asia (R.E.A.A.A), Entitled to Privileges of the Grade According to Constitution of the Association.
- 26-Member of Editorial Board and Editor-in-Chief of Jadeh Scientific and Propagating Journal, Published by Iran Roads Development Organization, Affiliated to Ministry of Road and Transportation.
- 27-Member of Editorial Board of International Journal of Civil Engineering, Fran University of Science and Technology.
- 28-Member of Civil Engineering Planning Council, Cultural Revolution Council of Iran From 1980 4 Years.