

#### **EDUCATIONAL BACKGROUND:**

Degree of **PhD** : Tarbiat Modares University, Tehran, Iran, 2010

Degree of **MSc** : Tarbiat Modares University ,Tehran, Iran, 2004

Degree of **BSc** : Amirkabir University of Technology- Tehran, Iran, 2002

**LECTURING EXPERIENCE:**

Advance Geometric Design

Advanced Traffic Engineering

Traffic Safety

## **RESEARCH ACTIVITIES:**

Road Safety Audit

Accident Reconstruction & Investigation

Rural & Urban Traffic Studies

Road Routing

## **PUBLICATIONS:**

Saffarzadeh M., Boroujerdain A. M., " Optimum Route Location Model Considering the Trip Generation Centers and Protected Zones ", Iranian Journal of Science & Technology, Transaction B, Engineering, Vol. 31, No. B2, pp. 167-178, 2007.

**Boroujerdain A. M.**, Saffarzadeh M., Abolhasannejad V." Developing a Model for Prioritizing High Crash Road Segments ", Proceedings of the ICE - Transport, Volume 163, Issue 1, 01 March 2010 , pp. 19 -29.

**Boroujerdain A. M.**, Saffarzadeh M., Yousefi H..., "A Model to Identify High Crash Road Segments with the Dynamic Segmentation Method", Accident Analysis and Prevention 73 ,2014, pp. 274-287

**Boroujerdain A.M.**, Karimi A., Seyedabrishami S. "Identification of hazardous situations using kernel density estimation method based on time to collision, Case study: left-turn on unsignalized intersection", International Journal of Transportation Engineering, Vol.1, No.4, Spring 2014, pp.223-240.

Saffarzadeh M., **Boroujerdain A. M.**, "Preliminary Route Corridor Location Considering the Compulsory Points and the Protected Areas", Journal of Transportation Research, Vol.3, No.1, 2006, pp.35-47.

Saffarzadeh M., Ganji H., **Boroujerdain A. M.**, "Utilization of Bayesian Method for risk estimation of areas in Accident Prone Areas", Journal of Transportation Research, Vol.4, No.4, 2008, pp.283-290.

Saffarzadeh M., Julideh H., **Boroujerdain A. M.**," An Airport Site Selection Model Based on Permutation Method", Journal of Transportation Research, Vol.2, No.3, 2005, pp.161-170.

Saffarzadeh M., Mehrazin H., **Boroujerdain A. M.**,"Opmtimum route location model of road and railroad corridor in level area", Journal of University College of Engineering (Spatial issue on: Civil Engineering) University of Tehran, Vol.4, No.5, 2006, p.651-665.

Saffarzadeh M., Abolhasannejad V., **Boroujerdain A. M.**," Developing a Cause Prioritizing Model to Identify High Accident Prone Segments of Roads for Pedestrians", Journal of University College of Engineering (Spatial issue on: Civil Engineering) University of Tehran, Vol.42, No.4, 2008, p.457-467.

Seyedabrishami S., Quchanian M., **Boroujerdain A.M.,...**," Analysis and Modeling Factors Effecting Helmet-use by Motorcycle Riders, a Case Study: City of Mashhad", Journal of Transportation Engineering, Volume 6, Issue 2, Spring 2015 , pp. 289-302.

Saffarzadeh M., **Boroujerdain A.M.**," A Route Location Model Considering High Cost Zones". 11th World Conference on Transportation Research, 5 May 2007, Berkeley California, USA.

**Boroujerdain A.M.**, Karimi A.," Notion development of proportion of stopping distance safety indicator ",11th International Congress On Advances In Civil Engineering, 21-25October 2014, Istanbul, Turkey.

Saffarzadeh M., **Boroujerdain A.M.** , Abolhasannejad V. ,"Influence of Accident Cause on Ranking Hazardous Road Sections", 15th International Conference Road Safety on Four Continents, Abu Dhabi, Emirates, March 2010.

Fetanat M., Bagheri S. , **Boroujerdian A.M.,...**," Clustering Method in Road Safety Index Forecasting using Intelligent Nonlinear Approximates", The 14th International Conference on Traffic and Transportation Engineering, 24-25 Feb.,2015.

**Boroujerdain A. M.**, Fetanat M., Abolhasannejad V. , "Dynamic Segmentation Method for Identification of Accident-Prone Road Segments using Genetic Algorithm". The 14th International Conference on Traffic and Transportation Engineering, 24-25 Feb.,2015.

## **THESIS SUPERVISION**

Analysis of accident risk on signalized intersection using traffic conflict indicators, 2013.

The evaluation model of safety index improvement for conversion of rural two-lane roadways, 2013.

Developing the method to improve road safety by using intelligent equipment of traffic control(case study: Voice sign), 2014.

Safety analysis of intersections based on vehicles movement specifications in the conflict zone, 2014.

Conflict model of pedestrian and vehicle at urban streets crosswalk, 2015.

Assessment model of accident risk in vertical curves of two-lane rural roads, 2015.

A model for estimation of safety index in rural roads according to macroscopic characteristics of the road, 2015.

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