



## CURRICULUM VITAE

Hossein Abolghassemi Mahani

### ADDRESS

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### DATE OF BIRTH

28th February 1971

### NATIONALITY

Iranian

### LANGUAGES

Farsi: Native language  
English: Fluent  
Arabic: Fair

### Academic Qualification

- PhD of Highway & Transportation Engineering, Civil Engineering Department, Engineering, University Putra Malaysia (UPM), Malaysia.
- Master of Science in Transportation Planning Engineering, Civil Engineering department, Tehran Azad University, Iran.
- Bachelor of Science in Civil Engineering, Kerman Azad University, Iran

### Certification

- ROAD SAFETY LEGISLATION COURSE , February 11, 2019, Johns Hopkins International Injury Research Unit World Health Organisation Collaborating Center for Injuries, Violence and Accident Prevention

### Teaching Experience

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| • Kerman Azad University, civil engineering department, lecturer | 2005-2006 |
| • Sirjan Azad University, civil engineering department, lecturer | 2004-2005 |
| • Shahid Korani high education centre , lecturer                 | 2003-2005 |
| • University Putra Malaysia ,civil engineering department, tutor | 2009-2010 |

## Working Experience

- Iran Road Maintenance & Transportation Organization (RMTO) , 2018-present  
senior consultant of road safety in strategic studies Department
- Mihan Noor Kerman Transportation Company IRAN, member 1997- Present  
Of the board of directors , Transportation planner, safety and  
Logistics Manager
- Seir-O-Safar Kerman Transportation Company IRAN, member 2001-Present  
of the board of directors , Transportation planner, safety and  
Logistics Manager
- Farmitan Mahan construction Company IRAN, CEO 1996-2007
- Al-kafi Rent car company DUBAI, member of the board 2005-2007  
Of directors and transportation planning engineer
- Road Safety Research Centre (RSRC) University Putra 2010-2015  
Malaysia, Research assistant in road and traffic safety

## Research Activities

- Designing and developing information management and planning system for transportation of dangerous goods in Iran based on UN standards.
- Identification of contributing factors in motorcyclist crash injury severity involving in road traffic accident in Malaysia
- Application of artificial intelligence algorithms in traffic crash injury severity analysis
- Conducting a study in Graduate driving license system (GDL)
- Study in road safety education
- Research in advanced vehicle's safety system and driver safety gears

## Publications

### English:

- Hossein Abolghassemi Mahani, Hussein Hamid, (2015) "Assessing of contributing Factors on Motorcyclists' Injury Severity by Association Rules Techniques", XXVth world road congress (PIARC) in Seoul, 2015 (Accepted for congress).
- Hossein Abolghassemi Mahani, Hussein Hamid, Ratnasamy Muniandy, Wong Shaw Voon, (2016) "Improving crash injury severity prediction by an optimized neural network", (in process to submit)
- Hossein Abolghassemi Mahani, Hussein Hamid, Ratnasamy Muniandy, Wong Shaw Voon, (2016) "Application of Hybrid ANN-Genetic algorithm to Identify contributory factors in traffic crash injury severity ",(in process to submit)
- Hossein Abolghassemi Mahani, Hussein Hamid, Ratnasamy Muniandy, , (2016), "Top 100 scientific cited articles in the title of motorcycle injury severity" ,( in process to submit)
- Hossein Abolghassemi Mahani, Hussein Hamid, Ratnasamy Muniandy, (2016), "Top 100 scientific cited articles in the title of injury severity", (in process to submit)

### فارسی

- بررسی سیستمهای نوین "تعامل هوشمند خودرو و زیرساختهای جاده ای" در حمل و نقل هوشمند و نقش آن در ایمنی (اولین همایش ملی ایمنی و ترافیک ، دانشگاه شهید باهنر کرمان ، دی ۱۳۸۹ )
- بررسی روشهای آموزش رانندگی مرحله ای (GDL) و صدور گواهینامه هوشمند (اولین همایش ملی ایمنی و ترافیک ، دانشگاه شهید باهنر کرمان ، دی ۱۳۸۹ )
- ایمنی ترافیک و دستاوردهای تحقیقات نوین ایمنی خودرو در آن (خبرنامه تخصصی عمران ، شماره ۵، اسفند ماه ۱۳۹۰)
- کاربرد ITS در مدیریت اورژانس و امداد و تاثیر آن بر کاهش شدت مجروحیت در تصادفات ترافیکی (خبرنامه تخصصی عمران، شماره ۷، دی ماه ۱۳۹۲)
- بررسی رویکردهای نهادهای بین المللی در شناسایی عوامل موثر در تصادفات و مدیریت ایمنی جاده ها (سومین کنفرانس ملی تصادفات جاده ای سوانح ریلی و هوایی ، دانشگاه آزاد زنجان، اردیبهشت ۱۳۹۳)
- بررسی عوامل موثر بر شدت مجروحیت موتورسیکلت سواران با استفاده از الگوریتمهای داده کاوی (سومین کنفرانس ملی تصادفات جاده ای سوانح ریلی و هوایی ، دانشگاه آزاد زنجان ، اردیبهشت ۱۳۹۳)
- شناسایی عوامل تاثیرگذار بر شدت جراحت موتورسیکلت سواران با استفاده از روش ترکیبی شبکه هوش مصنوعی - الگوریتم ژنتیک ANN-GENETIC (چهاردهمین کنفرانس بین المللی مهندسی حمل و نقل و ترافیک ، کارگاه تخصصی تحقیقات دانشجویان دکتری در مهندسی حمل و نقل و ترافیک، اسفند ۱۳۹۳ )

### **Conferences and seminars**

- International conference on reducing burden of traffic accident : challenges and strategies, 23<sup>th</sup>, 24<sup>th</sup> January 2019, Shiraz, IRAN, Speaker and “Lead Agency “ panel moderator

### **Competencies and Skills**

- Microsoft Office
- Academic Research tools
- statistical analysis software such as: SPSS, Matlab, SPSS Modeller
- Data Mining
- Artificial Intelligence (AI) algorithms
- Reference managements tools such as : Endnote and Mendeley

### **Membership**

- Kerman Construction Engineering Organization
- Iranian Official Experts Organization
- American Society Of Civil Engineering (ASCE)
- Chartered Institution of Highway & Transportation (CIHT)
- Road Engineering Association Of Asia And Australia (REAAA)