

# The 5<sup>th</sup> International Symposium on Transportation Safety



## **Jointly Organized by**

School of Transportation Engineering, Tongji University  
Traffic Management Research Institute, Ministry of Public Security  
Research Institute of Highway, Ministry of Transport  
The Key Laboratory of Road and Traffic Engineering, Ministry of Education  
Engineering Research Center of Road Traffic Safety and Environment, Ministry of  
Education  
Transportation Safety Discipline “111 Project” Base  
Joint International Research Laboratory of Transportation Safety, Tongji University  
Shanghai Institute of Traffic Engineering  
Institute for Urban Risk Management at Tongji University

**September 2017**

# 第五届国际交通安全学术研讨会



## 主办单位

同济大学交通运输工程学院  
公安部交通管理科学研究所  
交通运输部公路科学研究院安全中心  
道路与交通工程教育部重点实验室  
道路交通安全与环境教育部工程研究中心  
交通安全学科创新引智基地  
同济大学交通安全国际合作联合实验室  
上海市交通工程学会  
同济大学城市风险管理研究院

2017年9月

## INTRODUCTION

Traffic crashes have caused about 1.25 million fatalities all over the world each year, and traffic injury has been listed in the top 8 death causing factors; it is critical to conduct traffic safety improvements. After several decades' traffic safety research, the developed countries have advanced experience in the aspects of fundamental theory, analysis techniques, and engineering applications. Therefore, for the purpose of learning from the developed countries and enhance traffic safety in China, Tongji University started the International Symposium on Transportation Safety in 2010, and this year will be the 5th symposium. The previous four symposia have been conducted with in-depth discussions focusing on themes of "Traffic safety data analysis", "Roadway design safety evaluation", "Traffic safety and sustainable development", and "Learning the best experiences from developed countries to address safety issues in developing Countries". Human behavior has been regarded as the main contributing factor in traffic crashes. The 5th International Symposium on Transportation Safety will focus on the theme "Human Behavior and Traffic Safety".

To investigate the human behavior, traffic safety research institutes have been utilizing equipment such as high-fidelity driving simulator, naturalistic driving study to collect high-quality driving behavior data. Fundamental human behavior characteristics, driving status recognitions, and evasive maneuvers in critical scenarios have been analyzed. In terms of application, automobile manufacturers have installed Advanced Driving Assistant Systems (ADAS) for crash prevention. Human behavior study requires multi-disciplinary collaboration (i.e., traffic engineer, psychologist, statisticians, etc.). The connected and autonomous vehicles (CAV) would introduce new and large research needs for the human behaviors. The symposium will focus on "Connected and Autonomous Vehicles", "Public Health and Safety Policy", "Human Behavior and Traffic Safety", and "Road Design and Human Behavior".

This symposium will be supported by "111 Project on Transportation Safety Discipline" (jointly funded by Ministry of Education and State Administration of Foreign Experts Affairs). The symposium is jointly organized by three agencies: School of Transportation Engineering (Tongji University), Traffic Management Research Institute (Ministry of Public Security), and Research Institute of Highway (Ministry of Transport). Well-known experts in areas of human factors, safety data analysis, public health policy, and road design will be invited to introduce their recent research findings. Ideas regarding future research directions, safety improvement measures, research applications, and policy makings will be exchanged in the panel discussion session. Furthermore, since the Joint International Research Laboratory of Transportation Safety has been supported by the "111 Project on Transportation Safety Discipline" for a continuously five-year period (2017-2021), the safety symposium will be held annually from this year.



## 会议简介

当前每年因交通事故造成的死亡人数多达 125 万，交通事故伤害已位列全球第八大致死原因，开展交通安全改善的需求迫切。欧美发达国家通过数十年的交通安全研究，在基础理论、分析方法和工程应用等方面均有着先进经验。为借鉴发达国家先进经验，快速提升我国交通安全水平，同济大学于 2010 年起定期召开“国际交通安全学术研讨会”，本年度将召开第五届。前四届会议已围绕“交通安全分析”、“道路设计安全评估”、“交通安全与可持续发展”和“发达国家交通安全改善经验借鉴”等主题进行了深入探讨。驾驶行为是交通事故发生的主要致因因素，本届交通安全国际学术研讨会的主题为“交通参与者行为与交通安全”。

为深入理解交通参与者的驾驶行为特征，交通安全研究机构利用驾驶模拟器、自然驾驶等手段进行了大量的数据采集工作，并围绕驾驶行为特征、驾驶状态识别、应急驾驶行为等方面开展了系列深度分析。汽车厂商则采用高级驾驶辅助系统（ADAS）进行驾驶行为的实时纠正与危险预警，进行交通事故的主动预防。而即将到来的智能互联驾驶环境则对交通参与者的行为研究提出了新的需求。行为研究需多学科交叉（交通、心理、医学、统计等）。本届研讨会将围绕“智能网联汽车”、“公共卫生与安全政策”、“交通参与者行为与安全”和“考虑人因的道路设计”四个主题展开。

本届研讨会由交通安全学科创新引智基地（“111 计划”，由教育部和国家外专局联合资助）资助，由同济大学交通运输工程学院、公安部交通管理科学研究所和交通运输部公路科学研究院三方公共举办。会议邀请驾驶行为研究、事故数据分析、安全政策、道路安全设计等研究方向的国内外知名学者进行最新研究成果介绍，研讨会将深入讨论如何推进同济大学交通安全国际合作联合实验室的建设。

# CO-ORGANIZING INSTITUTIONS

University of Central Florida

Purdue University

China Journal of Highway and Transport

Nanjing Sky Traffic Safety Technology Stock Co., LCD

National Intelligent Connected Vehicle (Shanghai) Pilot Zone

## 协办单位

中佛罗里达大学

普渡大学

《中国公路学报》

南京赛康交通安全科技股份有限公司

国家智能网联汽车(上海)试点示范区

# ORGANIZATION COUNCIL

## Conference Co-Chairs

Dr. Shouen Fang, Professor, Chairman of Tongji University  
Dr. Mohamed Abdel-Aty, Professor, University of Central Florida

## Conference Advisory Committee

### Co-Chairs:

Dr. Bing Wu, Professor, Tongji University  
Dr. Chunjun Yu, Associate Director, Traffic Management Research Institute, Ministry of Public Security  
Dr. Ronggui Zhou, Department Head, Research Institute of Highway, Ministry of Transport

### Members:

Dr. Jianming Ling, Professor, Tongji University  
Dr. Yinhai Wang, Professor, University of Washington  
Dr. Heng Wei, Professor, University of Cincinnati  
Dr. Zhongyin Guo, Professor, Tongji University  
Dr. Yuchuan Du, Professor, Tongji University  
Dr. Keping Li, Professor, Tongji University  
Mr. Tongwen Yu, Associate General Secretary, Shanghai Institute of Traffic Engineering

## Conference Organizing Committee

### Co-Chairs:

Dr. Xuesong Wang, Professor, Tongji University  
Dr. Yan Gao, Department Director, Traffic Management Research Institute, Ministry of Public Security

### Members:

Dr. Yong Ma, China Journal of Highway and Transport  
Dr. Rongjie Yu, Associate Professor, Tongji University  
Dr. Junhua Wang, Associate Professor, Tongji University  
Dr. Keshuang Tang, Associate Professor, Tongji University  
Dr. Jian Li, Associate Professor, Tongji University  
Dr. Yao Shan, Assistant Professor, Tongji University  
Dr. Chai Chen, Associate Researcher, Tongji University  
Mr. Wenbin Wang, Senior Engineer, Tongji University  
Dr. Yanli Wang, Assistant Researcher, Tongji University  
Dr. Shuo Liu, Assistant Researcher, Tongji University  
Dr. Cancan Song, Assistant Researcher, Tongji University

### Conference Secretary

Ms. Wenzhe Li, Tongji University

# 工作委员会

## 会议主席

方守恩教授，同济大学党委书记

Mohamed Abdel-Aty 教授，中佛罗里达大学

## 会议咨询委员会

### **委员会共同主席：**

吴兵教授，同济大学交通运输工程学院党委书记

俞春俊研究员，公安部交通管理科学研究所副所长

周荣贵研究员，交通运输部公路研究院安全中心主任

### **委员会成员：**

凌建明教授，同济大学

王印海教授，华盛顿大学

魏恒教授，辛辛那提大学

郭忠印教授，同济大学

杜豫川教授，同济大学

李克平教授，同济大学

虞同文副秘书长，上海交通工程学会

## 会议组织委员会

### **委员会共同主席：**

王雪松教授，同济大学

高岩主任，公安部交通管理科学研究所

### **委员会成员：**

马勇博士，中国公路学报

余荣杰副教授，同济大学

王俊骅副教授，同济大学

唐克双副教授，同济大学

李健副教授，同济大学

陕耀助理教授，同济大学

柴晨副研究员，同济大学

王文斌高级工程师，同济大学

王艳丽助理研究员，同济大学

刘硕助理研究员，同济大学

宋灿灿助理研究员，同济大学

### **会议秘书**

李文哲女士，同济大学



# PROGRAM

**Date: September 24, Afternoon**

**Location: National Intelligent Connected Vehicle (Shanghai) Pilot Zone Enclosed Test Zone**

**Date: September 25**

**Location: Tongxin Building 312, Jiading Campus**

<b>MORNING SESSION I (8:00~8:15)</b>	
<b>Opening Ceremony, Session Chair: Prof. Bing Wu</b>	
08:00-08:05	<b>Opening Remarks and Introduction to the Attendees</b>
08:05-08:15	<b>Welcome Remarks from Conference Co-Chairs</b> <i>Prof. Shou'en Fang, Chairman of Tongji University</i> <i>Prof. Mohamed Abdel-Aty, University of Central Florida</i>
<b>MORNING SESSION II (8:15~12:00)</b>	
<b>Connected and Autonomous Vehicles, Session Chair: Dr. Jianming Ma</b>	
08:15-09:00	<b>Connected-Autonomous Vehicles (CAV): Background, Challenges and Opportunities</b> <i>Prof. Mohamed Abdel-Aty, University of Central Florida</i>
09:00-09:45	<b>The Impacts of CAVs on Future Transportation Systems</b> <i>Dr. Jianming Ma, Senior Engineer, Texas Department of Transportation</i>
09:45-10:15	Group Photo & Coffee Break
10:15-11:00	<b>An Examination of Drivers' Adaptation Behaviour When Interacting with Connected and Automated Vehicle Safety Systems</b> <i>Dr. Shan Bao, University of Michigan Transportation Research Institute</i>
11:00-11:30	<b>Driving Risk Evaluation Method in Complex Traffic Environment</b> <i>Prof. Jianqiang Wang, Tsinghua University</i>
11:30-12:00	<b>Chinese Test Bed for CAV: Concept of Operation</b> <i>Prof. Fuqiang Liu &amp; Assoc. Prof. Ping Wang, Tongji University</i>
12:00-13:30	Lunch
<b>AFTERNOON SESSION I (13:30~17:00)</b>	
<b>Traffic Safety Management Experience, Session Chair: Dr. Keping Li &amp; Dr. Xuesong Wang</b>	
13:30-14:00	<b>Chinese Road Traffic Safety Plan (2016-2020) and Implementation</b> <i>Dr. Chunjun Yu, Associate Director, Traffic Management Research Institute, Ministry of Public Security</i>
14:00-14:30	<b>Application of Risk Assessment in Chinese Highway Safety</b>

	<p><b>Improvement</b>  <i>Dr. Ronggui Zhou, Department Head, Research Institute of Highway, Ministry of Transport</i></p>
14:30-15:00	<p><b>Singapore's Experience in Promoting Road Safety</b>  <i>Mr. Lee Chee Chiew, Executive Director, Singapore Road Safety Council &amp; Deputy Commander, Police Training Command, Singapore Police Force</i></p>
15:00-15:20	<p><b>DLR – Tongji joint Center of Research for Mobility, Traffic-Safety and Environment (Joint CORE)</b>  <i>Dr. Alexander Sohr, Institute of Transportation Systems, German Aerospace Center (DLR)</i></p>
15:20-15:40	<p><b>Global Road Safety Comparisons: Macroscopic Analysis of International Safety Data</b>  <i>Prof. George Yannis &amp; Dr. Athanasios Theofilatos, National Technical University of Athens</i></p>
15:40-16:00	<p><b>A Systematic Approach for Improving Safety on Egyptian Roads</b>  <i>Dr. Dalia Said, Associate Professor, Cairo University</i></p>
16:00-16:20	<p><b>Crowd Sourced and Mobile Sensing Data for Public Safety on Egyptian Roads</b>  <i>Dr. Hoda Talaat, Associate Professor, Cairo University</i></p>
16:20-17:00	<p><b>Tongji University Transportation Safety Research Group Introduction (10 min per group)</b>  <i>Prof. Yuren Chen &amp; Dr. Junhua Wang, Tongji University</i>  <i>Prof. Zhongyin Guo, Tongji University</i>  <i>Prof. Keping Li, Tongji University</i>  <i>Prof. Xuesong Wang, Tongji University</i></p>
<p><b>AFTERNOON SESSION II (17:00~18:00)</b>  <b>Poster Session, Session Chair: Dr. Rongjie Yu &amp; Dr. Chen Chai</b></p>	
<p><i>Prof. Xiaohua Zhao, Beijing University of Technology</i>  <i>Prof. Huiying Wen, South China University of Technology</i>  <i>Dr. Quan Yuan, Tsinghua University</i>  <i>Dr. Zi Yang, Tsinghua University</i>  <i>Prof. Jian Xiong, Kunming University of Technology</i>  <i>Prof. Songfang Xie, Inner Mongolia Agricultural University</i>  <i>Prof. Guangquan Lu, Beihang University</i>  <i>Mr. Gan Liu, Nanjing Sky Traffic Safety Technology Stock Co., LCD</i>  <i>Prof. Minxing Gao, Inner Mongolia Agricultural University</i>  <i>Dr. Feng Yang, Inner Mongolia Agricultural University</i>  <i>Dr. Huiqin Chen, Hangzhou Dianzi University</i>  <i>Prof. Yuren Chen, Tongji University</i>  <i>Prof. Hui Zhao Tu, Tongji University</i>  <i>Prof. Xuesong Wang, Tongji University</i>  <i>Dr. Rongjie Yu, Tongji University</i></p>	

Dr. Benmin Liu, Tongji University  
 Dr. Ying Ni, Tongji University  
 Dr. Feng Chen, Tongji University  
 Dr. Lanfang Zhang, Tongji University  
 Dr. Junhua Wang, Tongji University  
 Dr. Chen Chai, Tongji University

**Date: September 26**

**Location: Tongxin Building 312, Jiading Campus**

<b>MORNING SESSION I (8:00~9:30)</b>	
<b>Public Health and Safety Policy, Chair: Dr. Guohua Li</b>	
08:00-08:45	<b>Public Health Approach to Transportation Safety</b> <i>Dr. Guohua Li, Professor, Columbia University</i>
08:45-09:30	<b>Road Safety as a Public Health Issue</b> <i>Dan Fang, World Health Organization</i>
09:30-09:50	Coffee Break
<b>MORNING SESSION II (09:50~12:05)</b>	
<b>Human Behavior and Traffic Safety, Chair: Dr. Paul Atchley</b>	
09:50-10:30	<b>Why Do We Drive Distracted Even Though We Know It Is Dangerous?</b> <i>Prof. Paul Atchley, University of Kansas</i>
10:30-11:10	<b>Young Drivers, Novice Drivers, and on-road Behaviour: Risks, Remedies, and Results</b> <i>Prof. Bridie Scott-Parker, University of the Sunshine Coast</i>
11:10-11:50	<b>Safety Climate for the Trucking Industry</b> <i>Dr. Yueng-Hsiang Huang, Liberty Mutual Research Institute for Safety</i>
11:50-12:05	<b>Driver Distraction and its Minimum Requirements</b> <i>Prof. Rui Fu, School of Automobile, Chang'an University</i>
12:05-13:30	Lunch
<b>AFTERNOON SESSION I (13:30~16:45)</b>	
<b>Road Design and Human Behavior, Chair: Dr. Andrew Tarko</b>	
<b>Location: Tongda Building 103</b>	
13:30-14:15	<b>The Safety Effects of Road Longitudinal Barriers - a Comprehensive in-Service Evaluation</b> <i>Prof. Andrew Tarko, Purdue University</i>
14:15-15:00	<b>Driving Simulator Assisted Road Safety Audits</b> <i>Prof. Alfonso Montella, University of Naples Federico II</i>
15:00-15:15	Coffee Break
15:15-16:00	<b>Design Consistency: Safety Assessment and Improvement Strategies</b> <i>Prof. Salvatore Damiano Cafiso, University of Catania</i>
16:00-16:45	<b>Road Design Issues to Facilitate the Performance of</b>

	<b>Autonomous Vehicle</b>
--	---------------------------

*Prof. Alfredo Garcia, Universitat Politècnica de València*

# 会议日程

时间：9月24日下午

实地参观：国家智能网联汽车(上海)试点示范区

时间：9月25日

地点：同心楼312，同济大学嘉定校区

上午议程 1 (8:00~8:15)	
开幕式，主持人：吴兵教授	
08:00-08:05	论坛介绍与参会嘉宾介绍
08:05-08:15	会议共同主席开幕式致辞 方守恩教授，同济大学党委书记 Mohamed Abdel-Aty教授，美国中佛罗里达大学
上午议程 2 (8:15~12:00)	
智能网联汽车专题，会场主席：马建明博士	
08:15-09:00	智能网联汽车：背景、挑战与机遇 Mohamed Abdel-Aty教授，美国中佛罗里达大学
09:00-09:45	智能网联汽车对未来交通系统的影响 马建明博士，高级工程师，美国德克萨斯州交通部
09:45-10:15	合影、茶歇
10:15-11:00	网联与自动驾驶车辆安全系统交互中驾驶员行为适应性研究 鲍珊博士，美国密歇根大学交通运输研究所
11:00-11:30	复杂交通环境下行车风险评估方法 王建强教授，清华大学
11:30-12:00	中国智能网联汽车测试基地：运营概念 刘富强教授&王平副教授，同济大学
12:00-13:30	午餐
下午议程 1 (13:30~17:00)	
交通安全管理国际经验专题，会场主席：李克平博士、王雪松博士	
13:30-14:00	中国道路交通安全“十三五”规划与实施 俞春俊研究员、副所长，公安部交通管理科学研究所
14:00-14:30	风险评估在公路生命防护工程中的应用 周荣贵主任，交通运输部公路科学研究院安全中心
14:30-15:00	新加坡道路安全改善经验 李志超先生，执行主任，新加坡公路安全理事会理事长，新加坡警察培训局副局长
15:00-15:20	同济-德国宇航中心联合研究中心：可达性、交通安全与环境 Alexander Sohr 博士，德国宇航中心交通系统研究所
15:20-15:40	全球道路安全对比：国际道路安全数据的宏观分析 George Yannis 教授/Athanasios Theofilatos 博士，希腊雅典国立科技大学
15:40-16:00	埃及道路安全改善的综合途径

	<i>Dalia Said</i> 副教授, 埃及开罗大学
16:00-16:20	埃及道路公共安全群体及移动传感数据 <i>Hoda Talaat</i> 副教授, 埃及开罗大学
16:20-17:00	同济大学交通安全研究团队介绍 (每研究团队 10 分钟) 郭忠印教授, 同济大学 陈雨人教授、王俊骅副教授, 同济大学 李克平教授, 同济大学 王雪松教授, 同济大学
<b>下午议程 2 (17:00~18:00)</b> <b>国内交通安全研究成果海报介绍</b> <b>会场主席: 余荣杰博士/柴晨博士</b>	
北京工业大学 赵晓华教授 华南理工大学 温慧英教授 清华大学 袁泉副教授 清华大学 杨子博士后 昆明理工 熊坚教授 内蒙古农业大学 解松芳教授 北京航空航天大学 鲁光泉教授 南京赛康交通安全科技股份有限公司 刘干董事长 内蒙古农业大学 高明星教授 内蒙古农业大学 杨锋博士 杭州电子科技大学 陈慧勤博士 同济大学 陈雨人教授 同济大学 涂辉招教授 同济大学 王雪松教授 同济大学 余荣杰副教授 同济大学 张兰芳副教授 同济大学 王俊骅副教授 同济大学 柳本民副教授 同济大学 陈丰副教授 同济大学 柴晨副研究员 同济大学 倪颖副教授	

时间: 9月26日

地址: 同心楼312, 同济大学嘉定校区

上午议程 1 (8:00~9:30) 公共卫生与安全政策专题, 会场主席: 李国华教授	
08:00-08:45	交通安全改善的公共卫生途径 <i>李国华教授, 美国哥伦比亚大学</i>
08:45-09:30	道路安全: 一项公共卫生议题 <i>Dan Fang女士, 世界卫生组织 (WHO)</i>
09:30-09:50	茶歇
上午议程 2 (09:50~12:05) 交通参与者行为与安全专题, 会场主席: Paul Atchley教授	
09:50-10:30	为什么我们会分心驾驶, 尽管我们知道它很危险? <i>Paul Atchley教授, 美国堪萨斯大学</i>
10:30-11:10	年轻与新手驾驶员驾驶行为: 风险、预防措施与效果 <i>Bridie Scott-Parker教授, 澳大利亚阳光海岸大学</i>
11:10-11:50	货车企业的安全文化氛围 <i>黄咏香博士, 美国利宝集团工业安全研究中心</i>
11:50-12:05	驾驶分心和最低注意力 <i>付锐教授, 长安大学汽车学院</i>
12:05-13:30	午餐
下午议程 1 (13:30~16:45) 考虑人因的道路设计专题, 会场主席: Andrew Tarko教授 地点: 通达楼103	
13:30-14:15	道路纵向隔离栏的安全效果: 综合服务效果评估 <i>Andrew Tarko 教授, 美国普渡大学</i>
14:15-15:00	驾驶模拟器辅助的道路安全审核 <i>Alfonso Montella 教授, 意大利那不勒斯菲里德里克第二大学</i>
15:00-15:15	茶歇
15:15-16:00	设计一致性: 道路安全评估与改善策略 <i>Salvatore Damiano Cafiso 教授, 意大利卡塔尼亚大学</i>
16:00-16:45	提升自动驾驶性能的道路设计措施 <i>Alfredo Garcia 教授, 西班牙瓦伦西亚理工大学</i>

## 第五届国际交通安全学术研讨会参会回执

单位名称				
代表姓名	部门	职务/职称	手机	电子邮箱

- 会议地点：同济大学嘉定校区国会中心
- 会议费用：本次会议不收取注册费用，交通、住宿自理
- 会议注册：为了更好的组织会议，参加本次会议请务必提前报名，请于9月13日之前返回会议回执，会议组织委员会主席：王雪松教授（邮箱：[wangxs@tongji.edu.cn](mailto:wangxs@tongji.edu.cn)）；会议秘书：李文哲（邮箱：[wenzheli@tongji.edu.cn](mailto:wenzheli@tongji.edu.cn)）。



---

**Shou'en  
Fang  
Ph.D.,  
Professor**



- Title: Chairman of Tongji University
- Affiliation: Tongji University
- E-mail: fangsek@tongji.edu.cn
- Website:

---

**Brief Biography:** Prof. Shou'en Fang is the Chairman of Tongji University. He serves as the Chair of National Road Traffic Technology Action Planning Expert Group and the Chair of National Accident Prevention Expert Team, Ministry of Public Security, State Administration of Work Safety; He is the deputy director of the National Road Traffic Management Engineering Technology Research Center, and the director of Road Safety and Environmental Engineering Center, Ministry of Education; and the member of PIARC. His research interests are on road traffic safety, driving behavior, road planning and design theory, etc. Prof. Shou'en Fang has published more than 60 journal papers, 2 monographs and 3 books. He has undertaken a number of national research projects, such as State Science and Technology Support Program, National High-tech R&D Programs of China (863-Program), Transportation Development Project of Western China by the Ministry of Transport, and etc. He has also obtained a bunch of awards, such as the first prize of Science and Technology Progress Award from China Highway & Transportation Society, the second prize of Science and Technology Progress Award from China Highway Society, the second prize of Science and Technology Progress Award from the Ministry of Public Security, and several third prizes from provincial governments.

**简介:** 方守恩教授担任同济大学党委书记，研究领域是道路交通安全、驾驶人行为、道路规划与设计理论与方法，主要学术任职为科技部、公安部、交通运输部道路交通安全科技行动计划专家组组长，公安部、国家安全生产监督管理局“全国预防道路交通事故专家组”组长，国家道路交通管理工程技术研究中心副主任，世界道路协会（PIARC）个人会员。方守恩教授已发表科研论文 60 余篇；出版专著 2 部，主编及合编教材 3 部；主持和参加完成多项国家科技支撑计划课题、863 计划课题、交通部西部交通建设科技项目等；获中国公路学会科技进步奖一等奖 1 项、中国公路学会科技进步奖二等奖 1 项、公安部科技进步二等奖 1 项、其余省部级三等奖多项。

---

**Mohamed  
Abdel-Aty  
Ph.D.,  
Professor**



- Title: Professor and Department Chair
- Affiliation: Dept. of Civil, Environmental & Construction Engineering, University of Central Florida
- E-mail: [m.aty@ucf.edu](mailto:m.aty@ucf.edu)
- Website:

---

**Brief Biography:** Dr. Mohamed Abdel-Aty, PE is a Trustee Chair at the University of Central Florida (UCF). He is a Pegasus Professor and Chair of the Civil, Environmental and Construction Engineering Department at UCF. He is also the Deputy Director of the Transportation Center (CATSS). His main expertise and interests are in the areas of traffic safety analysis, simulation, big data and data analytics and ITS. He was awarded in 2015 the Pegasus Professorship, the highest honor at UCF. In the last 20 years, Dr. Abdel-Aty has managed more than 50 research projects in excess of \$14 million. Dr. Abdel-Aty has published 450 papers, more than 240 in journals (Citations 9700, H-Index 51). He supervised to graduation 62 PhD and MS students. Dr. Abdel-Aty is the Editor-in-Chief of Accident Analysis and Prevention, the premier journal in safety. He is a member of the Editorial Boards of the ITS Journal and the International Journal of Sustainable Transportation, and member of multiple TRB Committees, including Safety Data, Analysis & Evaluation, Safety Performance and User Information Systems. Dr. Abdel-Aty is a leading traffic safety expert at both the national and international levels. In 2003 he was selected as UCF's Distinguished Researcher, and in 2007 as UCF's Outstanding Graduate Teacher. He has received multiple research awards from the College of Engineering & Computer Science in 2003, 2008, 2010 and 2012, including the Dean's Advisory Board award. He and his students received multiple awards for their papers and research from TRB, WCTR, ITS Florida and FL section ITE. He has been invited to deliver many Keynote speeches in conferences around the world, including in Belgium, Brazil, China, Korea, Turkey, KSA, Jordan, Qatar and UAE. He is a registered professional engineer in Florida.

**Presentation Topic:** **Connected-Autonomous Vehicles (CAV): Background, Challenges and Opportunities**

**简介:** Mohamed Abdel-Aty 教授就职于美国中佛罗里达大学土木与环境工程系，任系主任。其主要研究领域是交通安全分析、仿真、大数据分析和智能交通。Mohamed Abdel-Aty 教授于 2015 年荣获中佛罗里达大学飞马教授奖金，是该校最高荣誉。Mohamed Abdel-Aty 教授完成了 50 余项研究项目，项目资金超过 1400 万美元；发表超过 450 篇论文、其中期刊论文超 240 篇（被引次数 9700，影响指数 51）；培养了 62 名博士、硕士研究生。Mohamed Abdel-Aty 教授是 Accident Analysis and Prevention 期刊主编，是 ITS Journal 和 International Journal of Sustainable Transportation 期刊编委，曾任 Transportation Research Board（TRB）智能交通联合小组委员会主席，并且是多个 TRB 分会的成员，包括安全绩效、用户使用信息系统。Mohamed Abdel-Aty 教授在国内外的交通安全研究领域都是领军人物。在 2003 年，被评为中佛罗里达大学杰出研究学者，2007 年荣获中佛罗里达杰出研究生导师荣誉。Mohamed Abdel-Aty 教授曾受邀在比利时、巴西、

中国、韩国、土耳其、沙特阿拉伯、卡塔尔和阿拉伯联合酋长国进行主题讲座。

---

**Jianming  
Ma  
Ph.D., P.E.,  
M.ASCE**



- Title: CAV Coordinator
- Affiliation: The Texas Department of Transportation
- E-mail: Jianming.Ma@txdot.gov

---

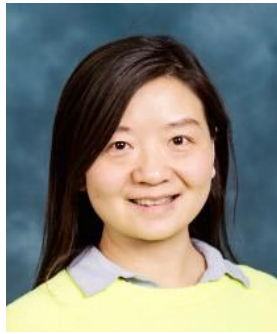
**Brief Biography:** Jianming Ma holds a Ph.D. degree in Civil Engineering from the University of Texas at Austin. He coordinates connected and automated vehicle activities at the Texas Department of Transportation (TxDOT). Dr. Ma has over twenty years of professional and research experience in connected and automated vehicles (CAVs), econometric modeling, human factors, intelligent transportation systems (ITS), systems engineering, traffic engineering, and traffic safety. He has over 40 technical papers and reports published in the above-mentioned areas. Dr. Ma co-chairs the American Society of Civil Engineers (ASCE) CAV Impacts Committee. He is the Research Coordinator for the Transportation Research Board (TRB) Committee on Safety Data, Analysis and Evaluation (ANB20), a member of TRB's Traffic Signal Systems (AHB25) and a liaison for SAE DSRC Technical Committee. He also sits on the American Association of State Highway and Transportation Officials (AASHTO) Connected and Automated Vehicle Working Group. Dr. Ma served as Associate Editor for the 15<sup>th</sup> International IEEE Conference on Intelligent Transportation Systems. He is Vice President of Chinese Overseas Transportation Association. Dr. Ma serves as Edit-in-Chief for the International Journal of Vehicular Telematics and Infotainment Systems (IJVTIS).

**Presentation Topic: The Impacts of CAVs on Future Transportation Systems**

**简介:** 马建明博士毕业于美国德克萨斯大学奥斯汀分校土木工程系，是德克萨斯州交通部智能网联汽车活动协调员。马博士在智能网联汽车、计量经济建模、人因研究、智能交通系统、系统工程、交通工程、交通安全等领域有着 20 多年的从业及研究经验，并在上述领域发表过 40 余篇科技论文与报告。马建明博士任美国土木工程师协会(ASCE)智能网联汽车影响委员会 (CAV Impacts Committee) 联合主席，是美国交通研究委员会(TRB)安全数据、分析与评估委员会(ANB20) 研究协调员，是美国交通研究委员会 (TRB) 交通信号系统委员会 (AHB25) 成员、美国汽车工程师学会 (SAE) 专用短程通信技术委员会联络员及美国国家公路与运输协会 (AASHTO) 智能网联车研究计划技术顾问。马建明博士曾任第 15 届国际电气和电子工程师协会 (IEEE) 会议副编辑，并担任 International Journal of Vehicular Telematics and Infotainment Systems 期刊主编；现任海外华人交通协会 (COTA) 副主席，曾任第 12、14 届“COTA 国际交通科技年会”大会执行主席。并受邀担任中国科技部中、美政府间科技合作项目评审专家。研究领域包括智能交通、交通运输安全、智能网联车等，近期在国际重要期刊及会议上发表论著 40 余篇，其中 SCI 检索 13 篇、EI 检索 15 篇。

---

Shan Bao,  
PhD



- Title: Associate Research Scientist
- Affiliation: University of Michigan Transportation Research Institute
- E-mail: [shanbao@umich.edu](mailto:shanbao@umich.edu)
- Website:

---

**Brief Biography:** Dr. Bao is an Associate Research Scientist in the University of Michigan Transportation Research Institute's Human Factors Group where she has been conducting research on human factors and driver distraction, driver behavior modeling, large-scale of data analysis, advanced in-vehicle safety system evaluation since 2009. Dr. Bao has led and conducted multiple large simulator and naturalistic driving studies, with a total value of more than \$3 million, for industry and government sponsors as principle investigator. Dr. Bao has strong statistical analytic skills and her areas of expertise include the statistical analysis of crash datasets and naturalistic data, experimental design, algorithms development to identify driver states, evaluation of driving safety technologies, measurement of driver performance, driver decision making, and statistical and stochastically modeling techniques. Dr. Bao is a regular reviewer for several leading scientific journals. She current serves as the Chair of Surface Transportation Technical Group, Human Factors and Ergonomics Society and she is a committee member of RB Human Factors and In-Vehicle Systems Committee and TRB committee of Human Factors in automated vehicle technologies Sub-committee.

**Presentation Topic: An Examination of Drivers' Adaptation Behaviour When Interacting with Connected and Automated Vehicle Safety Systems**

**简介:** 鲍珊博士是美国密歇根大学交通运输研究所的副研究员。她于 2009 年在美国爱荷华大学机械和工业工程系取得博士学位后加入密歇根大学。鲍博士的研究方面主要包括识别驾驶员状态和决策的算法开发, 驾驶员行为测试和建模, 数据挖掘, 车联网以及自动驾驶车载系统影响测试和评估。其研究成果发表于多篇相关领域高影响国际期刊上, 例如 *IEEE Transactions on Intelligent Transportation Systems*, *IEEE Transactions on Intelligent Transportation Systems* 和 *Journal of Accident Analysis and Prevention*。她目前担任美国人为因素和人体工程学会地面运输技术组主席, 并且是美国国家科学院交通运输研究协会 (TRB, Transportation Research Board, National Academy of Science) 下属人因委员会 (Committee on Vehicle User Characteristics, AND10), 以及自动化车辆人因技术小组委员会 (Subcommittee on Human Factors in Road Vehicle Automation, AND10[3]) 委员。

---

**Jianqiang  
Wang  
Ph.D.,  
Professor**



- Title: Professor and Assistant Dean
- Affiliation: Dept. of Automotive Engineering, Tsinghua University, China
- E-mail: [wjqlws@tsinghua.edu.cn](mailto:wjqlws@tsinghua.edu.cn)
- Website: [http://www.dae.tsinghua.edu.cn/publish/dae/4364/2010/20101220085659342443630/0101220085659342443630\\_.html](http://www.dae.tsinghua.edu.cn/publish/dae/4364/2010/20101220085659342443630/0101220085659342443630_.html)

---

**Brief Biography:** Dr. Jianqiang Wang holds a Ph.D. degree in Automotive Operation Engineering from the Jilin University at Changchun. He is currently a tenured Professor with the Department of Automotive Engineering, Tsinghua University, Beijing, China.

Dr. Wang has over ten years of professional and research experience in connected and automated vehicles, automotive intelligence and safety, human factors, and V2X technology. He is the Editor-in-Chief of Journal of Intelligent and Connected Vehicles, and the associate editor of International Journal of Vehicular Telematics and Infotainment Systems. He is the member of the Editorial Board of Traffic Information and Safety. Dr. Wang is currently the vice directors of Cooperated Laboratory of Ministry of Education and China Mobile, Cooperated Research Center of Tsinghua and Nissan Corporation, Tsinghua Intelligent and Connected Vehicle & Transportation research center. Up to now, he has directed more than 20 NSFC, “863” and other projects. He has authored 38 SCI and 120 EI indexed research papers, which were cited for more than 1300 times until now. 4 papers were awarded on vital international academic conferences. He has been invited to participate in the contribution of 2 English publications. More than 80 invention patents have been authorized to him too. He has been awarded Second Class Prize of National Technology Invention Award and National Science and Technology Progress Award for 3 times, and First Class Prize of Ministry of Education for 2 times. He has also been elected in New Century Talent Supporting Project by Ministry of Education, and has been honored with China Automotive Industry Outstanding Young Talent Award for Science and Technology.

**Presentation Topic: Driving Risk Evaluation Method in Complex Traffic**

**Environment**

**简介:** 王建强教授博士毕业于吉林大学，现就职于清华大学汽车工程系，国家杰出青年科学基金获得者。长期从事智能网联汽车、汽车智能安全、驾驶员行为、车路协同等领域的研究工作。担任国际学术期刊《智能网联汽车》主编、清华大学-日产智能出行研究中心副主任，车联网教育部-中国移动联合实验室副主任，清华大学智能网联汽车与交通研究中心副主任。先后主持自然科学基金、863 课题等 20 余项；发表 SCI 论文 38 篇，EI 论文 120 篇，论文他引 1300 余次；重要国际会议获奖论文 4 篇；参著英文著作 2 部；授权发明专利 80 余项，获国家技术发明二等奖 2 项和科技进步二等奖 1 项、教育部技术发明和科技进步一等奖 2 项。入选教育部新世纪优秀人才计划，获中国汽车工业优秀青年科技人才奖。

---

**Fuqiang  
Liu,  
Ph.D.,  
Professor**



- Title: Professor
- Affiliation: Tongji University
- Email: liufuqiang@tongji.edu.cn
- Website: <http://wm.tongji.edu.cn>

---

**Brief Biography:** Prof. Fuqiang Liu is currently a professor of Information and Communication Engineering at Tongji University. He is the Executive Director of the China Society of Image and Graphics, the member of the Editorial Boards of the Journal of Tongji University, the member of Teaching Guiding Committee for Electrical and Electronic Information Discipline of the Ministry of Education, the Visiting Professor of the National Institute of Informatics in Japan and the Visiting Fellow of Chinese Academy of Sciences. His research focuses on vehicle communication, traffic information processing, big data analysis and data visualization. He has rich research experience in Internet of Vehicle and Intelligent Traffic System. Prof. Fuqiang Liu has undertaken a number of national research projects, such as Nation High-tech R&D Programs of China (863-Program), the international cooperation key projects, the major projects by Ministry of Industry and Information Technology etc. He has published more than 100 journal papers and 8 books. He has also obtained 11 prizes (2 first prizes, 6 second prizes, 3 third prizes) from provincial government.

**Presentation Topic: Chinese Test Bed for CAV: Concept of Operation**

**简介:** 刘富强教授现任同济大学信息与通信工程系教授，中国图像图形学会常务理事，《同济大学学报》编委，教育部高等学校电子信息与电气学科教学指导委员会委员，日本国立情报所客座教授，中国科学院客座研究员。长期从事车联网通信与信息处理和大数据分析可视化，在汽车和交通互联网技术与开发领域具有较高的理论水平、专业知识和丰富的实践经验。先后组织和承担国家主题/重点 863 项目、国际合作重点项目、工信部 03 重大专项等。在国内外刊物上发表学术论文 100 多篇，出版著作 8 部，获省部级科技进步奖 11 项(一等奖 2 项、二等奖 6 项、三等奖 3 项)。

---

**PingWang,  
Ph.D.,  
Associate  
Professor**



- Title: Associate Professor
- Affiliation: Tongji University
- Email: pwang@tongji.edu.cn
- Website:

---

**Brief Biography:** Dr. Ping Wang is an associate professor at Tongji University. His main expertise includes the basic research, technology development and demonstration with Internet of Vehicle. He is responsible for the V2X test and development of Shanghai Connected and Automated Vehicles Test Areas. He has undertaken National Natural Science Foundation projects, the National 863 projects, the international cooperation project by the Ministry of Science and Technology, the key project of Ministry of Industry and Information Technology, and cooperation projects with Shanghai Automotive Industry Corp., Pan Asia Technical Automotive Center, Shanghai Wireless Communication Research Center and Huawei Company. He has published more than 50 papers, applied for more than 10 national invention patents, registered 2 software copyrights and submitted 6 national standardization proposals. He has obtained the first prize of Science and Technology Progress Award from the Ministry of Education, the second prize of Shanghai Teaching Achievement Award.

**Presentation Topic: Chinese Test Bed for CAV: Concept of Operation**

**简介:** 王平副教授长期以来从事车联网相关的基础性研究、技术开发和示范验证工作，负责上海市智能网联汽车综合测试区的 V2X 测试开发工作。近年来，承担或主持了课题有国家自然科学基金、国家 863 项目、科技部国际合作项目、工信部国家科技重大专项、上汽、泛亚合作项目、上海无线通信研究中心合作项目、华为合作项目、重点实验室开放课题等。公开发表学术论文 50 多篇，申请国家发明专利 10 多项；登记软件著作权 2 项；提交国家标准化提案 6 份；参与编写国家“十一五”规划教材 1 部，参与编写外文专著 1 部。荣获教育部科学技术进步奖二等奖 1 次、上海市教学成果奖二等奖 1 次。



---

**Chunjun Yu**  
**Researcher**



- Title: Associate Director
- Affiliation: Traffic Management Research Institute of the Ministry of Public Security

---

**Brief Biography:** Researcher Chunjun Yu is the associate director of Traffic Management Research Institute, Ministry of Public Security. He has been both in charge and participate in several national key projects, such as the National High-tech R&D Programs of China (863-Program), "11th Five-Year" The National Key Technology R&D Program and "12th Five-Year" The National Key Technology R&D Program. He has finished more than 10 national standards focus on roadway traffic management and has published more than 20 journal papers, obtained 3 patents for invention, published 4 books as co-authors. He is now the member of Chinese Traffic Engineering Association, Chinese Intelligent Transportation System Council, Chinese Compulsory Product Certification Technical Expert Group, and National Work Safety Committee. In addition, he has won the second prize of national prize for progress in science and technology and twice the second prize of science and technology award of ministry of public security.

**Presentation Topic: Chinese Road Traffic Safety Plan (2016-2020) and Implementation (中国道路交通安全“十三五”规划与实施)**

**简介:** 俞春俊研究员是公安部交通管理科学研究所副所长，党委委员。先后主持和参加“863”、“十一五”、“十二五”国家支撑、公安部项目，负责完成10多项道路交通管理行业的国家或行业标准；近年来，发表论文20余篇，获得发明专利3项，参加编著教材4部，是中国交通工程学会理事、中国智能交通协会理事、中国强制性产品认证技术专家组专家、国家安全生产专家组成员，《道路交通科学技术》、《城市交通》杂志编委。先后荣获国家科技进步二等奖1次，公安部科学技术二等奖2次，中国智能交通协会科学技术一等奖一次。

---

**Ronggui  
Zhou, PhD**



- Title: Director
- Affiliation: Road Safety Research Centre of Research Institute of Highway, Ministry of Transport

---

**Brief Biography:** Ronggui Zhou, PhD, Researcher, and the director of Road Safety Research Centre of Research Institute of Highway, Ministry of Transport. He is currently the member of the Highway and Traffic Engineering Committee of the China Construction Engineering Standards Association, and a member of the Young Expert Committee of the Ministry of Transport. Dr. Ronggui Zhou mainly engages in highway geometric design, highway capacity and road traffic safety and other areas of the standard system revision research and design consulting works. As an academic leader, he completed many major scientific researches including: *Equipment and technology of highway capacity research* of National Science and Technology projects for 9<sup>th</sup> Five-Year Plan, *Study on traffic capacity of expressway system* of National Science and Technology projects for 10<sup>th</sup> Five-Year Plan, and other 6 ministerial major scientific research projects; and several research subject from Western Traffic Construction Technology Projects such as *Research on Design Parameters of Two - Lane Highway in Mountainous Area*, *Research on Design Technology of Mountainous Expressway Ramp Line*, *Research on the Characteristics and Application Model of Highway Speed in Western area*. He participated in the revision of many standards and specifications including *Technical Standard of Highway Engineering*, *Design Specification for Highway Route*, *Guidelines for Design of Highway Grade-separated Intersections*, *Specifications for Highway Safety Audit*, and so on. In addition, he is currently compiling some industry regulations such as *Guidelines for Design of Plane intersection*, *Guidelines for Highway Capacity Analysis*, *Guidelines for Design of Truck Escape Ramp*. He has won second prize of National Science and Technology Progress Awards, the special award and first prize of Provincial Science and Technology Award many times.

**Presentation Topic: Application of Risk Assessment in Chinese Highway Safety Improvement** （风险评估在公路生命防护工程中的应用）

**简介:** 周荣贵，工学博士、研究员，交通运输部公路交通安全工程研究中心主任。现担任中国工程建设标准协会公路委员会路线与交通工程委员会委员、交通部青年专家委员会委员。主要从事公路路线设计、公路通行能力与道路交通安全等领域的标准规范制修订、研究和设计咨询等工作。作为学术带头人，完成的重大科研主要包括：“九五”国家科技攻关项目“公路通行能力研究的装备与技术”、“十五”国家科技攻关项目“快速路系统通行能力研究”等6项部级重大科研项目，以及西部交通建设科技项目“山区双车道公路路线设计参数的研究”、“山区高速公路匝道线型设计技术研究”和“西部地区公路运行速度特征与应用模型的研究”等多

项课题。参与制修订的标准包括：“公路工程技术标准（JTG B01-2014）”、“公路路线设计规范（JTG B20-2006）”、《公路立体交叉设计细则》（JTG/T D21-2014）和《公路项目安全性评价规范》（JTG/T B05-2014）等，并正在主持编写《平面交叉口设计细则》、《公路通行能力分析细则》与《避险车道设计细则》等行业规范。先后获得国家科技进步二等奖1次、省部级科学技术特等奖、一等奖多次。

---

**Lee Chee  
Chiew**



- Title: Deputy Commander of Police Training Command & Executive Director
- Affiliation: Singapore Road Safety Council
- E-mail: [lee\\_chee\\_chiew@spf.gov.sg](mailto:lee_chee_chiew@spf.gov.sg)

---

**Brief Biography:** Mr Lee joined the Singapore Police Force in 1980. He is presently the Deputy Commander of Police Training Command. He served in many Departments and different Posts with the Police over the last 36 years. For example, he served at the 'A' & 'C' and 'Airport Police' Divisions, System & Research Department, Public Affairs Department, Manpower Department. He was also appointed and served as the Head Recruitment of Manpower Department, Deputy Commander of Special Operations Command, Deputy Commander of Traffic Police Department currently as Executive Director of the Singapore Road Safety Council, Deputy Director of the Public Affairs Department currently as Executive Director of the National Crime Prevention Council, Deputy Director of International Cooperation Department, Commander of Certis CISCO Auxiliary Police Force.

**Presentation Topic: Road Safety as a Public Health Issue**

**简介:** 李志超先生 1980 年正式加入警队至今，现任警察培训局副局长，曾就职于多个警察部门，如 A 警区及 C 警区及机场警局、警察公共事务局、人事局等部门。曾担任过警队招募主任、特别行动指挥处副司令、公共事务局副局长，兼任新加坡全国罪案防范理事会理事长、交通警察局副局长、警察国际合作局副局长、策安辅助警察司令、兼任新加坡公路安全理事会理事长等职务。

---

**George  
Yannis,  
Professor**



- Title: Professor in Traffic Safety and Management
- National Technical University of Athens (NTUA)
- E-mail: [geyannis@central.ntua.gr](mailto:geyannis@central.ntua.gr)
- Website: [www.nrso.ntua.gr/geyannis](http://www.nrso.ntua.gr/geyannis)

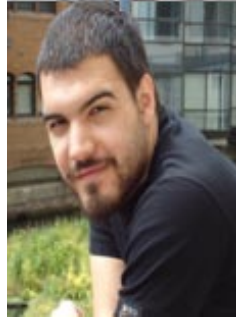
---

**Brief Biography:** George Yannis is Professor in Traffic Safety and Management at the Department of Transportation Planning and Engineering of the School of Civil Engineering at the National Technical University of Athens (NTUA). He has a civil engineering diploma from NTUA, and MSc and PhD in Transport from the Ecole Nationale des Ponts et Chaussées, Paris. He has a thorough and broad understanding of the transportation sector dynamics, through his active involvement for more than 30 years as engineer, academic, advisor and decision maker in all areas of transportation planning and engineering. His specialisation areas are Road Safety, Transportation Planning and Management, Urban Mobility and Intelligent Transportation Systems, with particular focus on data management and analysis. He has participated in more than 210 research and engineering projects and studies in Greece, in Europe and worldwide and he has published more than 430 scientific papers (137 in scientific journals) widely cited worldwide. He has contributed extensively in several research projects and scientific committees of the European Commission and other International Organisations (UN/ECE, OECD, WHO, World Bank, CEDR, ERF, ETSC).

**Presentation Topic: Global Road Safety Comparisons: Macroscopic Analysis of International Safety Data**

---

Dr.  
Athanasios  
Theofilatos



- Title: Senior Research Associate
- National Technical University of Athens (NTUA)
- E-mail: [atheofil@central.ntua.gr](mailto:atheofil@central.ntua.gr)
- Website: [www.nrso.ntua.gr/p/atheofil](http://www.nrso.ntua.gr/p/atheofil)

---

**Brief Biography:** Athanasios (Akis) Theofilatos is a Civil-Transportation Engineer, PhD and a Research Associate at the Department of Transportation Planning and Engineering at the School of Civil Engineering of the National Technical University of Athens. In 2009, he graduated from the School of Civil Engineering at the NTUA. In October 2010, he obtained an MSc & DIC in Transport, offered jointly by the Imperial College London and the UCL. In November 2015, he successfully defended my PhD at the National Technical University of Athens (under the supervision of Professor George Yannis) titled “An advanced multi-faceted statistical analysis of accident probability and severity exploiting high resolution traffic and weather data”. He has participated in 7 research projects and is serving as a reviewer for more than 15 scientific journals. At the present time (August 2017) thirty seven (42) scientific papers have been published.

**Presentation Topic: Global Road Safety Comparisons: Macroscopic Analysis of International Safety Data**

---

**Alexander  
Sohr,  
Dipl. Ing.**



- Title: Project Leader, Institute of Transportation Systems ,
- German Aerospace Center (DLR)
- E-mail: Alexander.Sohr@dlr.de
- Website: <http://www.dlr.de/ts/>

---

**Brief Biography:** Alexander Sohr is a scientist at the German Aerospace Center (DLR) since 2005 researcher and team leader of the Individual Mobility Management group at the Institute of Transportation Systems in Berlin, Department “Traffic Management”. He was working in several national and international projects (2005 first project in China). He was the leader of the Future Megacities Project METRASYS funded by the German Federal Ministry of Education and Research (BMBF) focusing on sustainable mobility in upcoming megacities. His main interests focus on the whole field of Floating Car Data processing including prediction and data fusion methods. Furthermore his research areas include environmental aspects of traffic management, for example as project leader of the “low carbon mobility management for taxis” (LCMM4T) project in Zhengzhou, China. He is project leader of “Optimization of Urban Traffic Management towards Environment - Friendly and Safe Mobility (OptimUM)” (OptimUM) in Hefei, China, The partners analyze and develop solutions to reduce the air pollution and increase traffic safety at intersections. Now, he is leading the cooperation project „DLR – Tongji joint Center of research for mobility, traffic-safety and environment” (JOINT CORE).

**Presentation Topic: DLR – Tongji Joint Center of Research for Mobility, Traffic-Safety and Environment (Joint CORE)**

In the planned project Joint CORE, the Institute of Transportation Systems at DLR and the College of Transportation Engineering at the Tongji University want to set up a joint research center for mobility, with a focus on traffic safety and environment at the TJU in Shanghai. The Center links research in the field of sustainable cities and mobility. The focus is on traffic safety, environment and traffic control. The Joint Center of Research (Joint CORE) is intended to enable joint and international excellent research and training of young researchers from both countries and establish the results in applied technology in Shanghai. The competencies of the two institutions will be bundled.

---

**Guohua Li**



- Title: Professor and Director
- Affiliation: Columbia University
- E-mail: [gl2240@cumc.columbia.edu](mailto:gl2240@cumc.columbia.edu)
- Website:  
<https://www.mailman.columbia.edu/people/our-faculty/gl2240>

---

**Brief Biography:** Guohua Li, MD, DrPH, is the Mieczyslaw Finster Professor of epidemiology and anesthesiology at Columbia University. He is also the founding director of the Center for Injury Epidemiology and Prevention at Columbia University Medical Center and the founding editor-in-chief of the academic journal *Injury Epidemiology* (<https://injepijournal.springeropen.com/>). Dr. Li has worked in the field of injury epidemiology and prevention for 25 years and published extensively, including the reference text *Injury Research: Theories, Methods, and Approaches* (Springer 2012). Dr. Li is credited with developing the decomposition equation linking injury mortality to case fatality, incidence density and exposure prevalence, the FIA score for predicting pilot survival in aviation crashes, and the multiphase method for estimating cohort effects in age-period contingency table data. Currently, Dr. Li is working on projects aimed at controlling the opioid epidemic and drugged driving, and uncovering the dynamics of injury risk and injury-disease interaction during the process of aging. He serves as the principal investigator for the Longitudinal Research on Aging Drivers (LongROAD) project, a multicenter prospective cohort study of the trajectories, determinants, and mechanisms of driving safety in older adults (<http://www.longroadstudy.org/>). Dr. Li was the recipient of the Kenneth Rothman Epidemiology Prize, the Guggenheim Fellowship, the John Paul Stapp Award from the Aerospace Medical Association, and the Excellence in Science Award from the American Public Health Association's Injury Control and Emergency Health Service Section.

**Presentation Topic: Public Health Approach to Transportation Safety**

李国华博士生长于湖北沔阳县农村，曾就读于北京医学院、同济医科大学和约翰霍普金斯大学。现任哥伦比亚大学讲座教授，伤害流行病学与预防研究中心主任和麻醉与重症医学临床研究中心主任。李博士长期从事流行病学科研与教学，在伤害流行病学、临床流行病学以及流行病学理论与方法多有建树。他已发表 SCI 期刊论文 200 余篇，担任伤害研究领域重要教科参考书《伤害研究的理论与方法途径》 (*Injury Research: Theories, Methods, and Approaches*; Springer, 2012) 的主编以及学术期刊 *Injury Epidemiology* 的主编。李博士是古根海姆学者和 Kenneth Rothman 流行病学奖获得者。



---

Dan Fang



- Title: National Professional Officer
- Affiliation: Road Safety and Injury Prevention at the Representative Office of the World Health Organization in China
- E-mail: [fangd@who.int](mailto:fangd@who.int)

---

**Brief Biography:** Ms Fang Dan is the National Professional Officer on Road Safety and Injury Prevention at the Representative Office of the World Health Organization in China. In this position she is committed to preventing people from death and injuries on road through improving national road safety legislations and policies, and is coordinating prevention of other forms of injuries. She is also representing WHO in the United Nations in China on issues including violence, disability, and rehabilitation.

**Presentation Topic: Road Safety as a Public Health Issue**

---

Paul Atchley



- Title: Associate Professor, Associate Dean
- Affiliation: University of Kansas
- E-mail: [patchley@ku.edu](mailto:patchley@ku.edu)
- Website:

---

**Brief Biography:** Dr. Atchley has been conducting research and teaching about cognitive factors related to driving for over 25 years. He is currently on faculty at the University of Kansas. Dr. Atchley received his Ph.D. from the University of California, Riverside in 1996 and completed postdoctoral training at the Beckman Institute at the University of Illinois in 1998. Dr. Atchley has published numerous peer-reviewed articles and chapters on issues of vision and attention including their relationship to driving. He has also received awards for his research, teaching, service, and student advising. Dr. Atchley's work has been highlighted by national and international press such as the *BBC*, *NPR*, *Rock Center*, "*Katie*" with *Katie Couric*, and the *New York Times*. He is part of efforts at all levels to reduce distracted driving. Dr. Atchley works with groups including the National Safety Council, LifeSavers, FocusDriven and We Save Lives to provide clear, compelling and consistently well-received talks about the science of distracted driving.

**Presentation Topic: Why Do We Drive Distracted Even Though We Know It Is Dangerous?**

---

**Yueng-hsiang  
g (Emily)  
Huang,  
Ph.D.**



- Title: Senior Research Scientist
- Affiliation: Liberty Mutual Research Institute for Safety (LMRIS)
- E-mail: [Psu13153@hotmail.com](mailto:Psu13153@hotmail.com)
- Website:

---

**Brief Biography:** Dr. Emily (Yueng-hsiang) Huang has been a senior research scientist at Liberty Mutual Research Institute for Safety (LMRIS) since 2001 and has published 80 peer-reviewed journal articles (indexing in Engineering Index, Science Citation Index, or Social Sciences Citation Index), 6 book chapters, and more than 100 conference presentations/proceedings. Her h Index is 20, and her work has been broadly influential, with more than 1100 citations of published articles (as indicated by Scopus, 04/17). She received her Ph.D. in Industrial-Organizational Psychology/Systems Science, with a minor in Human Resources Management. She is a Fellow of the American Psychological Association (APA) and the Society for Industrial-Organizational Psychology (SIOP). She has held a position as Associate Editor for the journal of Accident Analysis and Prevention (Impact Factor: 2.07 (2017); 5-Year Impact Factor: 2.70) since 2009 and serves as a frequent reviewer for 7 other peer-reviewed journals. She has been a frequent grant proposal reviewer of study sections for National Institute for Occupational Safety and Health (NIOSH) in the US. In 2016, she received the Liberty Mutual CI President's Award for her research and contributions on safety climate.

**Presentation Topic:**

**简介:** 黄咏香博士从 2001 年起在利宝集团工业安全研究中心担任资深研究员，总共发表 80 篇学术期刊论文 (EI, SCI, SSCI)，编写相关专业书籍中的 6 个章节，以及发表了超过 100 多篇的会议论文与演讲。其 H 指数为 20，论文有着广泛的影响力，在学术期刊上获得超过 1100 次的引用 (斯高帕斯数据库-Scopus 04//2017)。黄博士获得工业组织心理学与系统科学的博士学位，同时修习了人力资源管理为第二专业，是美国心理协会 (APA) 和工业组织心理协会 (SIOP) 有特殊贡献的会士，自从 2009 年起，任事故分析与预防期刊 (2017 年影响因子: 2.07, 5 年的影响因子: 2.70) 的副主编，同时也是另外 7 个期刊的常驻审稿人，曾多次参与美国职业安全与健康研究所 (NIOSH/CDC) 的基金申报审阅人。2016 年，利宝集团因其在企业安全文化与氛围研究的贡献颁予 CI president's award (总裁奖)。

---

Dr. Bridie  
Scott-Parker



- Title: Senior Research Fellow
- Affiliation: University of the Sunshine Coast
- E-mail: [bscottpa@usc.edu.au](mailto:bscottpa@usc.edu.au)
- Website:  
[www.usc.edu.au/research-and-innovation/accident-research/adolescent-risk-research-unit](http://www.usc.edu.au/research-and-innovation/accident-research/adolescent-risk-research-unit)

---

**Brief Biography:** Dr Bridie Scott-Parker is the founder and Leader of the Adolescent Risk Research Unit (ARRU), based in the Sunshine Coast Mind and Neuroscience-Thompson Institute at the University of the Sunshine Coast, and is founder and Leader of the international Consortium of Adolescent Road Safety (CADROSA.org). Bridie's research focus includes the pervasive problem of young and novice drivers being disproportionately represented in road crash injuries and fatalities. She is interested in a safe systems approach to young driver road safety, intervention development and evaluation, with a particular focus upon the development of the driver from the pre-licence period, through the Learner and Provisional 1 driving phases. She is also interested in adolescent risk taking, and the influence of personal, social (parents, peers), and structural (legislation, police) influences upon risky behaviour. As a recipient of a highly competitive National Health and Medical Research Council Early Career Fellowship, Dr Bridie Scott-Parker is considered an expert in the domain of young novice driver road safety. Bridie is also widely recognised and well-respected as an engaging and effective speaker who is able to translate complex research into real-world policy, practice, and implications for all involved in road safety.

**Presentation Topic: Young Drivers, Novice Drivers, and on-road Behaviour: Risks, Remedies, and Results**

---

Dr. Rui Fu,  
Professor



- Title: Professor
- Affiliation: School of Automobile, Chang'an University
- E-mail: furui@chd.edu.cn

---

**Brief Biography:** Rui Fu is a professor of automobile school at Chang'an University. She is the team leader of human vehicle system safety, Innovative Research Team of Ministry of Education. She serves as a member of National Accident Prevention Expert Team, Ministry of Public Security, State Administration of Work Safety. She is the technique committee member of PIARC and the member of the Editorial Boards of the China Journal of Highway and Transport. Her research interests over the past decade focuses on driver's visual behavior and driving behavior, the risky status recognition, ADAS. She has led and conducted 23 projects for government sponsors. She has obtained 6 prizes (2 first prizes, 2 second prizes, 2 third prizes) from national and provincial government. She has published more than 120 journal papers and 1 monograph.

**Presentation Topic: Driver Distraction and its Minimum Requirements**

**简介:** 付锐教授，就职于长安大学汽车学院，教育部创新团队“人-车系统安全理论与技术”团队带头人，世界道路协会（PIARC）技术委员会委员，公安部、国家安全生产监督管理总局“全国预防道路交通事故专家组”成员，《中国公路学报》编委。主要研究领域是驾驶人视觉与驾驶行为，道路交通安全，危险驾驶行为识别与预警，驾驶辅助和智能化技术。主持国家和省部级科研项目 23 项，获国家和省部级科技奖 6 项，出版专著 1 部，发表论文 120 余篇，获授权国家发明专利 13 项。

---

Dalia Said  
Ph.D., P.En



- Title: Associate Professor
- Affiliation: Faculty of Engineering, Cairo University
- E-mail: daliasaid@eng.cu.edu.eg

---

**Brief Biography:** Dr. Dalia Said is an Associate Professor at Cairo University with 18 years of consulting, research and teaching experience. She completed her Ph.D. in Civil Engineering at Carleton University in 2008, and was appointed as a sessional lecturer at Carleton University to teach several graduate and undergraduate courses related to Highway Design. She has taken part and led in several research projects in Canada and Egypt related to Traffic Safety on Highways, Driver Behaviour and its Relation to Geometric Design of Highways, Geometric Design Consistency of Highways, Using New Technologies for Capturing Driver Behaviour Parameters, and Managing Traffic in Highway Work Zones. She has received several prestigious scholarships and awards during her studies in Egypt and Canada including awards by Carleton University, Transportation Association of Canada, and National Science and Engineering Research Council of Canada. Dr. Said is also a Professional Engineer and has been involved in several strategic transportation projects in Canada and Egypt at the national level related to traffic studies, feasibility studies, and geometric design of highways.

**Presentation Topic: A Systematic Approach for Improving Safety on Egyptian Roads**

---

**Andrew  
Tarko  
Ph.D.,  
Professor**



- Title: Professor, Director for the Center for Road Safety
- Affiliation: Purdue University
- E-mail: [tarko@purdue.edu](mailto:tarko@purdue.edu)
- Website:

---

**Brief Biography:** Dr. Tarko is a Professor of Civil Engineering, Lyles School of Civil Engineering, Purdue University; Director of Center for Road Safety, Purdue University; International Director of Joint International Research Laboratory of Transportation Safety, Tongji University. His research expertise includes modeling and evaluation of transportation systems and their components, traffic operations and safety, development and implementation of safety management methods and tools. Dr. Tarko served as an Associate Editor of Transportation Science, Journal of the Institute for Management and Operational Research Sciences and a Guest Editor for ASCE Journal of Transportation Engineering and the Accident Analysis and Prevention. Dr. Tarko chairs the TRB Subcommittee on Surrogate Measures of Safety ANB20 and he is a current member of the TRB Committee on Safety Data, Evaluation, and Analysis ANB20. Dr. Tarko was a Principal Investigator or Co-Principal Investigator in research grants and awards obtained from government agencies and research-funding organizations for the total amount of over seven million dollars. He is an author or co-author of numerous journal publications, chapters in reference books, conference papers and research reports.

**Presentation Topic: The Safety Effects of Road Longitudinal Barriers - a Comprehensive in-Service Evaluation**

**简介:** Andrew Tarko 教授就职于美国普渡大学土木工程系,任道路安全中心主任,同济大学交通安全国际合作联合实验室国际主任。研究领域包括交通系统评估和建模,交通管理和安全,安全管理方法和工具的开发与应用。Andrew Tarko 教授现任 Transportation Science、Journal of the Institute for Management and Operational Research Sciences 和 Operational Research Sciences 期刊副主编, 并曾担任 ASCE Journal of Transportation Engineering 和 Accident Analysis and Prevention 的客座编辑, 是 Transportation Research Board (TRB) 安全替代指标分委会主席, TRB 交通安全数据、评估和分析分委会委员。Andrew Tarko 教授累计获得由政府部门、科研组织基金资助的研究经费超 700 万美元,发表了数十篇期刊论文、书籍著作、会议论文以及研究报告等。

---

**Alfonso  
Montella,  
Ph.D.,  
Associate  
Professor**



- Title: Associate Professor
- Affiliation: Department of Civil, Architectural and Environmental Engineering, University of Naples Federico II (Italy)
- Email: [alfonso.montella@unina.it](mailto:alfonso.montella@unina.it)
- Website: [www.docenti.unina.it/alfonso.montella](http://www.docenti.unina.it/alfonso.montella)

---

**Brief Biography:** Dr. Alfonso Montella is Associate Professor (with Italian National Scientific Qualification as Professor) at the University of Naples Federico II, Italy where he teaches Highway Design and Highway Safety at the Master of Science in Hydraulics and Transportation Systems Engineering. He got a Ph.D. in Transportation Engineering at the University of Rome La Sapienza and a M.Sc. in Civil Engineering at the University of Naples Federico II. He taught Highway Safety at Holy Spirit University of Kaslik, Lebanon and Cairo University, Egypt. He participated to several national and international research projects on highway design and safety and coordinated the EU funded projects HiT4Med and HDMCuRF. These two projects implemented thirteen new master programs in Highway and Transportation Engineering in Egypt, Lebanon, Morocco, Tunisia, and in the Russian Federation. He has been member of the Italian National Council of University as delegate of Civil Engineering and Architecture Area, member and review coordinator of the TRB Committee ANB20 on Safety Data, Analysis and Evaluation, and guest editor for the journals Accident Analysis & Prevention and International Journal of Transportation Science & Technology. To date, he is member of the Editorial Board of the Journal Accident Analysis & Prevention, the TRB Committee ANB10 on Transportation Safety Management, the TRB ANB10 Paper Award Committee, and chair of the TRB joint Subcommittee ANB10, ANB20, and ANB25 Synthesis on safety related papers. His main areas of expertise include highway design, highway safety management, highway safety modelling, road safety audits and inspections, and drivers' behaviour investigations by driving simulator experiments.

**Presentation Topic: Simulator-Based Road Safety Audits**

The presentation describes an innovative procedure to evaluate the safety consequences of the road design decisions before the road is built or upgraded in order to select the safest design options without waiting for high concentration of crashes before taking corrective actions. According to the principles outlined in the European Directive 2008/96 on Road Infrastructure Safety Management, the procedure focuses on preventive safety evaluation by a looking forward approach based on driving simulator experiments which allow the objective evaluation of road users' behaviour in relation to the road layout, the traffic conditions, and the V2V/V2I/I2V systems. In the traditional road safety audit process, the audit team should evaluate crucial safety criteria from the point of view of the driver. However,



there is no feedback from the driver during the audit process. The driving simulator-based road safety audit approach involves testing with actual road users which provide empirical-based and scientific safety evaluation of the crucial safety related aspects of the audit (i.e., how the road design is perceived by the actual users and how they would behave in the proposed design). A driving simulation enables a pro-active evaluation by actual end-users by means of virtual simulation of the proposed road design (or design alternatives suggested by the audit team) in an environment that matches as closely as possible the real world. It therefore also enables the evaluation of crucial safety-related factors of the design that could not be revealed otherwise. Advantages of this approach are shown by a case study in Italy.

---

**Salvatore  
Damiano  
Cafiso,  
Professor**



- Title: professor
- Affiliation: Department of Civil Engineering and Architecture – University of Catania (Italy)
- E-mail: dcafiso@dicar.unict.it

---

**Brief Biography:** Salvatore Damiano Cafiso, is professor of “Road, Railways and Airport” at the Department of Civil Engineering and Architecture of University of Catania; Teaching “Highway geometric design” and “Pavement engineering”; Past coordinator of the PhD course in “Engineering of transportation infrastructures”; Delegate for International Relations. He is Director of the Infrastructures of Transport laboratory (ITlab) at the University of Catania, one of the most advanced University laboratory in the field of infrastructure asset monitoring and management. Member of scientific International committees: TRB AHB65 "Operational Effects of geometrics", TRB ANB10 "Transportation Safety Management"; TRB steering committee of "International Symposium on Highway Geometric Design". PIARC National Technical Committee "Design and management of safer roads". Author of more than 200 scientific papers and books published in international and national journals and conference proceedings. The research group coordinated by prof. Cafiso has international reputation and expertise in the field of road safety with specific application in Statistical analysis of data, Traffic Conflict studies in real world and microsimulation environment, Design consistency modeling and evaluation, road safety Audit and Inspection, Network safety management.

**Presentation Topic: Design Consistency: safety Assessment and Improvement Strategies**

“Design consistency implies that the design or geometry of a road does not violate either the expectation of the motorist or the ability of the motorist to guide and control a vehicle in a safe manner” (Glennon, Harwood, 1978). “A consistent alignment is important because the relationship that exists between consistency and safety (Lamm et al., 1995). Starting from the early research results and statements, in the last 20 years, considerable research has been undertaken about the concept of design consistency including identifying potential consistency measures and developing models to estimate them. Although the method is widely applied around the world and literature review shows several models for assessing design consistency, how cost-effective countermeasures can be selected basing on design consistency measures and thresholds is not as much well established, even if that remains the main goal of each Safety Management System. Starting with brief introduction on design consistency measures and modeling, the presentation outlook is to assess the safety fundamentals of the risk ranking based on design consistency measures and the safety performance of different improvement strategies.

---

**Hoda  
Talaat,  
Ph.D.**



- Title: Associate Professor, Faculty of Engineering,
- Affiliation: Cairo University
- E-mail: hoda.talaat@gmail.com
- Website:

---

**Brief Biography:** A seasoned professional with over 15 years of academic and practical experience in the field of transportation and traffic engineering. The bulk of this expertise was accumulated working on diverse projects in Canada and the Middle East. Hoda has led several research projects relating to intelligent transportation systems, including; transportation for smart/wise cities, probe-based traffic state estimation/predication, advanced traffic management platforms, commercial vehicle operations optimization, emergency evacuation, and traffic networks modelling. She led and participated in numerous consulting projects related to traffic data collection, traffic impact analysis, traffic data analysis, operational performance assessments and intelligent transportation systems. She is the recipient of several prestigious awards from organizations like ITS Canada, Transportation Association of Canada, and National Science and Engineering Research Council of Canada for her work. She obtained her PhD from the University of Toronto and is eligible for registration with Professional Engineers Ontario.

**Presentation Topic: Crowd Sourced and Mobile Sensing Data for Public Safety on Egyptian Roads**

---

**Alfredo  
Garcia  
Ph.D.,  
Professor**



- Title: Professor and Director of Department of Transportation
- Affiliation: Department of Transportation, Universitat Politecnica de Valencia, Spain
- E-mail: [agarciag@tra.upv.es](mailto:agarciag@tra.upv.es)
- Website:

---

**Brief Biography:** Dr. Alfredo García is Professor of Highway Engineering since 2002 at the School of Civil Engineering, Universitat Politecnica de Valencia, Spain; current director of the Department of Transportation and director of the Highway Engineering Research Group. He is an expert in the research areas of highway geometric design, traffic engineering, road safety and traffic calming. Prof. Garcia is a member of the TRB Committee on Geometric Design (AFB10). He was the co-chair of the TRB 4th International Symposium on Highway Geometric Design that was hold in Valencia, 2010. Dr. Garcia is a member of the Editorial Boards for The Baltic Journal of Road and Bridge Engineering and Advances in Transportation Studies. Prof. Garcia participated to several national and international research projects on highway design and safety. Dr. Garcia has presented more than 160 communications for scientific congresses and has published more than 45 papers in leading international journals, as well as he has published 15 books and he holds several patents. He was awarded the National Road Safety Prize in 2010 and the National Engineering Innovation Prize in 2011. Last year was awarded the VI International Road Innovation Prize Juan Antonio Fernández del Campo. Prof. Garcia taught at several universities in USA, Italy, Greek, Poland, Colombia, Cuba, Mexico, Morocco, Lebanon, Tunisia, Egypt, and Jordan.

**Presentation Topic: Road Design Issues to Facilitate the Performance of Autonomous Vehicle**

Taking into account that passenger cars equipped with level 2 and 3 of automation are being selling and therefore circulating along the road networks, it was possible to carry out a first exploratory experimental research related to road design and autonomous vehicles. Several issues related to road design arose and the semi-autonomous system was not able to drive the vehicle at specific locations. There is a new speed concept related to geometric elements, such as horizontal and vertical curves: autonomous vehicle safe speed. For every curve, there is a maximum speed that the automated driving system is able to manage. These speeds have been obtained by one specific semi-autonomous system (BMW) and related to radius and CCR of a sample of horizontal curves. They were compared with the corresponding design speed and speed limit at every curve, being lower for radius less than around 250-300 m. Some other issues related to sharp crest vertical curves, stopping sight distance, road marking maintenance and geometry, will be presented.

---

**Xuesong  
Wang,  
Ph.D.,  
Professor**



- Title: Professor
- Affiliation: School of Transportation Engineering, Tongji University
- Email: wangxs@tongji.edu.cn
- Website: www.tjsafety.cn

---

**Brief Biography:** Dr. Xuesong Wang is a professor of Transportation Engineering at Tongji University, Executive Director of the Joint International Research Laboratory of Transportation Safety, Associate Director of Key Laboratory of Road and Traffic Engineering-China Ministry of Education, and Associate Director of the Engineering Research Center of Road Traffic Safety and Environment Engineering-China Ministry of Education. Dr. Wang's main expertise is in the areas of traffic safety planning, safety evaluation of roadway design, traffic safety management, driving behavior analysis, vehicle active safety. He is the Associate Editors of China Journal of Highway and Transport, China Safety Science Journal. He is a member of the TRB Standing Committees on Transportation Research Board: Safety Data, Analysis and Evaluation (ANB 20), Simulation and Measurement of Vehicle and Operator Performance (AND30), Shanghai Department of Transportation Academic Committee, Together of Safer Roads. He is a member of editorial board of Accident Analysis & Prevention, Journal of Transportation Safety and Security. Dr. Wang has published more than 200 papers on academic journals and conferences. He has managed more than 60 scientific research projects. Earlier in his career, Dr. Wang was Research Associate at the University of Central Florida (US). Dr. Wang has his Bachelors and Masters in Transportation Engineering from Tongji University and his Ph.D. in Transportation Engineering from the University of Central Florida. In 2015, he was awarded as the outstanding young researcher by the Chinese National Science Foundation.

**Presentation Topic:**

**简介:** 王雪松教授的研究领域是交通安全规划、设施设计安全评估、交通安全管理、驾驶行为分析、车辆主动安全。王雪松教授担任 Accident Analysis and Prevention 编委; Journal of Transportation Safety and Security 编委; 中国公路学报副主编; 中国安全科学学报副主编; 美国交通研究委员会 (TRB) 安全数据、分析与评估委员会 (ANB20) 委员; 美国交通研究委员会 (TRB) 车辆与驾驶员表现模拟与测量委员会 (AND30) 委员; 已发表 200 多篇国内外学术期刊和会议论文。主持了国家级、省部级科研项目 60 多项。2009 年入选上海市优秀归国留学人员浦江人才计划, 2011 年入选教育部新世纪人才计划, 2015 年获得国家自然科学基金优秀青年基金项目。

