

The 6th International Symposium on Transportation Safety



Jointly Organized by

Tongji University

Traffic Management Research Institute, Ministry of Public Security

Research Institute of Highway, Ministry of Transport

Shanghai Institute of Traffic Engineering

Shanghai International Automobile City Group

May 11-13, 2018

第六届国际交通安全学术研讨会



主办单位

同济大学

公安部交通管理科学研究所

交通运输部公路科学研究院

上海市交通工程学会

上海国际汽车城（集团）有限公司

2018年5月11-13日

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 and the Sino-German Road Safety Symposium in 2010, which have been held 5th and 7th correspondingly. This year, the two series symposiums will be combined.

Recently, various countries and cities have proposed VISION ZERO as their targets for traffic safety improvement, and have been implemented series of strategies. Intelligent Connected Vehicles (ICV), Big Data, and other new technologies have brought new methods and solutions to the transportation system and also traffic safety improvement, where new issues have also been emerging. As we are stepping into the later periods of the “13th Five Year Plan”, in order to identify the safety improvement key aspects, enhance the knowledge of international safety improvement countermeasures, and boosting the crash data analysis, roadway infrastructure safety design and multi-discipline research in China, this year, the symposium will focus on the “Traffic Safety Research and Improvement under the Scenarios of Rapid Reforming Transportation System”.

This symposium is 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: Tongji University, Traffic Management Research Institute (Ministry of Public Security), Research Institute of Highway (Ministry of Transport), Shanghai Institute of Traffic Engineering, and Shanghai International Automobile City Group.

会议简介

当前全球每年因道路交通事故造成的死亡人数多达 125 万，交通事故伤害已位列第八大致死原因，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研究与应用的水平，同济大学于 2010 年起定期召开“国际交通安全学术研讨会”和“中德道路交通安全研讨会”，至今已分别举办五届及七届；本年度两个系列的研讨会合并举办。

近年来，多个国家、地区提出“VISION ZERO”（零伤亡愿景）作为交通安全改善的宏观目标，并落实了系列措施。智能网联、大数据等新兴技术为交通系统及交通安全改善既带来了新方法和新手段，也同时引入了新问题。当前我国已步入“十三五”规划的中后期，为明确 2020 年前我国交通安全改善重点，增加国内学者对国际交通安全改善措施及方法的了解，促进我国事故数据分析、设施安全设计及围绕交通安全的多学科交叉研究，本届交通安全国际学术研讨会的主题定为“**交通系统快速变革背景下的交通安全研究与改善**”。

本届研讨会由交通安全学科创新引智基地资助（“111 计划”，由教育部和国家外专局联合资助），由同济大学、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、上海市交通工程学会、上海国际汽车城（集团）有限公司共同组织举办。

CO-ORGANIZING INSTITUTIONS

Chongqing Jiaotong University

University of Central Florida

Purdue University

Center for Injury Epidemiology and Prevention, Columbia University

China Journal of Highway and 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

Beihang University

Beijing University of Technology

Chang’an University

Central South University

协办单位

重庆交通大学

中佛罗里达大学

普渡大学

哥伦比亚大学伤害流行病学与预防研究中心

《中国公路学报》

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

北京航空航天大学

北京工业大学

长安大学

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Rongjie Yu, Associate Professor, Tongji University

Chen Chai, Research Associate Professor, Tongji University

Wenbin Wang, Senior Engineer, Tongji University

会议组织

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余荣杰 副教授 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

PROGRAM

Date: May 11th, 2018

Location: Room 224, Tongxin Building, Jiading Campus, Tongji University

Event: The 6th International Symposium on Transportation Safety

MORNING SESSION I	
Opening Ceremony	
08:00-08:05	Opening Remarks and Introduction to the Attendees
08:05-08:15	Welcome Remarks from Conference Co-Chairs
MORNING SESSION II	
Traffic Safety Improvement Strategies	
08:15-08:55	Traffic Safety Improvement in USA <i>Prof. Mohamed Abdel-Aty, University of Central Florida</i>
08:55-09:35	Vision Zero and Its Influence to the Traffic Safety Work in Sweden <i>Prof. Anders Lie, Traffic Safety Division, Swedish Transport Administration</i>
09:35-10:00	Group Photo & Coffee Break
10:00-10:30	Traffic Safety Improvement Strategies in Germany <i>Prof. Jürgen Follmann, Darmstadt University of Applied Sciences</i>
10:30-11:00	Traffic Safety Improvement Strategies in UK <i>Prof. Mohammed Quddus, Loughborough University</i>
11:00-11:30	Vulnerable road user safety in the European Union <i>Prof. Piotr Olszewski, Director, Institute of Roads and Bridges</i>
11:30-12:00	Chinese Road Traffic Safety Action <i>Traffic Management Research Institute, Ministry of Public Security</i>
12:00-13:30	Lunch
AFTERNOON SESSION I	
Public Health and Traffic Safety	
13:30-14:00	Impact of the Opioid Epidemic on Traffic Safety in the United States <i>Prof. Guohua Li, Columbia University</i>
14:00-14:30	The effect of 'smart' financial incentives on driving behaviour of novice drivers: A randomised control trial. <i>Prof. Mark Stevenson, University of Melbourne</i>
AFTERNOON SESSION II	
Traffic Behavior / Psychology and Safety	
14:30-15:00	Situation Awareness Fast tracking, including identifying Escape Routes: (SAFER). Improving road safety for all road

	users? <i>Prof. Bridie Scott-Parker, University of the Sunshine Coast</i>
15:00-15:30	Driver training and its supervise and driving license exam in Germany <i>Dr. Malte Kliiver, Research and Innovation Centre “Human-Technology-Road Traffic”</i>
15:30-16:00	TBD <i>Mr. Omar Ahmad, Deputy Director, National Advanced Driving Simulator, The University of Iowa</i>
AFTERNOON SESSION III (16:00~17:30) Poster Session	
<i>Invited authors who published articles in the special issues of “roadway traffic safety special issue” in China Journal of Highway and Transport and the “Traffic Safety in China: Challenges and Countermeasures” in the Accident Analysis & Prevention.</i>	

Date: May 12th, 2018

Location: Room 224, Tongxin Building, Jiading Campus, Tongji University

Event: The 6th International Symposium on Transportation Safety

MORNING SESSION Crash Data Collection and Analysis	
08:00-08:30	Why, What and How of Highway Safety Manual <i>Prof. Xiaoduan Sun, University of Louisiana</i>
08:30-09:00	Local Calibration of HSM and Other Safety Performance Functions <i>Prof. Bhagwant Persaud, Ryerson University</i>
09:00-09:30	Introduction of data collection and application of GIDAS <i>Mrs Breunig and Mr Claus-Henry Pastor, BAST</i>
09:30-10:00	Coffee Break
10:00-10:30	International Comparisons of Safety Performance Functions <i>Prof. George Yannis, National Technical University of Athens</i>
10:30-11:00	Safety assessment using a microscopic traffic simulation <i>Associate Prof. Chris Lee, University of Windsor</i>
11:00-11:20	Macroscopic and mesoscopic analyses of crash data: recent applications <i>Assistant Professor, JaeYoung Lee, University of Central Florida</i>
11:20-11:40	Improving network safety level by prohibiting left turns <i>Dr. Qinrui Tang, DLR</i>
11:40-12:00	RAPARDS, Traffic accident measuring <i>Thomas Riedel, VS-PLUS</i>
12:00-13:30	Lunch
AFTERNOON SESSION I Autonomous Vehicle Safety Assurance	

13:30-14:00	Traffic conflicts method for efficient safety analysis in the age of autonomous vehicles <i>Prof. Andrew Tarko, Purdue University</i>
14:00-14:30	Road Operational Domain for Automated Vehicles - Research Framework <i>Prof. Salvatore Damiano Cafiso, University of Catania</i>
14:30-14:50	Coffee Break
AFTERNOON SESSION II Roadway Safety Design	
14:50-15:20	Highway Safety Improvement in China <i>Dr. Ronggui Zhou, Director of Research Institute of Highway, Ministry of Transport</i>
15:20-15:50	Safe design and use of road equipment in Germany and passive safety <i>Mr. Grimmelsmann and Mrs. Meisel, BASt</i>
15:50-16:20	Rules of road safety audit in Germany <i>Sven-Martin Nielsen, FGSV</i>
16:20-16:50	TBD

Date: Afternoon, May 13th, 2018

Location: Room 901, Sino-German Building, Siping Campus, Tongji University

Event: Sino-German Road Traffic Safety Panel Discussion

Sino-German Workshop about Traffic Safety Issues	
13:30-14:00	Urban roads in Germany <i>Caroline Rose, BASt</i>
14:00-14:30	Guidelines of bike traffic and Bike freeway <i>Axel Wolfermann, Darmstadt University of Applied Sciences</i>
14:30-14:50	Coffee Break
14:50-15:20	Motorways and rural roads in Germany <i>Prof. Weber, Darmstadt University of Applied Sciences</i>
15:20-15:50	GIDAS applications and the Initiative for the GLobal harmonisation of Accident Data (IGLAD) <i>Dr. Robert Zobel and Claus-Henry Pastor, BASt</i>
15:50-16:20	Risk assessment in the use-case right-turning vehicle and crossing cyclist <i>Alexander Sohr, DLR</i>

会议日程

时间： 5月11日

地点： 同济大学嘉定校区同心楼224会议室

会议主题： 第六届国际交通安全学术研讨会

上午议程 1 开幕式	
08:00-08:05	会议介绍与参会嘉宾介绍
08:05-08:15	会议共同主席开幕式致辞
上午议程 2 道路交通安全改善对策	
08:15-08:55	美国交通安全改善 <i>Mohamed Abdel-Aty</i> 教授, 中佛罗里达大学
08:55-09:35	瑞典零死亡愿景及其对交通安全的影响 <i>Anders Lie</i> 教授, 瑞典交通运输局交通安全部门
09:35-10:00	合影、茶歇
10:00-10:30	德国道路交通安全改善 <i>Jürgen Follmann</i> 教授, 达姆斯塔特工业大学
10:30-11:00	英国道路交通安全改善 <i>Mohammed Quddus</i> 教授, 拉夫堡大学
11:00-11:30	欧盟道路使用者弱势群体的交通安全研究 <i>Piotr Olszewski</i> 教授, 道路与桥梁研究所, 主任
11:30-12:00	中国道路交通安全改善 公安部交通管理科学研究所
12:00-13:30	午餐
下午议程 1 公共卫生与交通安全	
13:30-14:00	流行性疾病对美国交通安全的影响 <i>李国华</i> 教授, 哥伦比亚大学
14:00-14:30	智能经济刺激对新手驾驶员行为的影响分析 <i>Mark Stevenson</i> 教授, 墨尔本大学
下午议程 2 交通行为、心里与安全	
14:30-15:00	情景意识快速跟踪分析, 道路改善对道路参与者的有效性 <i>Bridie Scott-Parker</i> 教授, 澳大利亚阳光海岸大学
15:00-15:30	德国驾驶员训练、监督及驾照考试 <i>Malte Klüver</i> 博士, 人机道路交通研究与创新中心
15:30-16:00	待定 <i>Mr. Omar Ahmad</i> , 爱荷华大学国家高级驾驶模拟器, 副主任
下午议程 3 (16:00-17:30) 国内交通安全研究成果海报介绍	
为促进国内外交通安全学者的沟通与交流, 本届研讨会与《中国公路学报》联	

合组织“国内交通安全研究成果海报”环节，邀请《中国公路学报》道路交通安全专刊、*Accident Analysis & Prevention* 专刊“*Traffic Safety in China: Challenges and Countermeasures*”作者进行研究成果介绍。

时间： 5月12日

地点： 同济大学嘉定校区同心楼224会议室

会议主题： 第六届国际交通安全学术研讨会

上午议程 事故数据采集与分析	
08:00-08:30	道路安全分析手册，为什么、是什么及如何 <i>Xiaoduan Sun</i> 教授，路易斯安那大学
08:30-09:00	道路安全分析手册的本地计算及其他安全评估模型 <i>Bhagwant Persaud</i> 教授，瑞尔森大学
09:00-09:30	德国事故深度调查数据（GIDAS）采集与应用 <i>Breunig</i> 女士和 <i>Mr Claus-Henry Pastor</i> 先生，德国联邦交通研究所
09:30-10:00	Coffee Break
10:00-10:30	交通安全评估模型的国际对比 <i>George Yannis</i> 教授，希腊雅典国立科技大学
10:30-11:00	基于微观交通仿真的安全评估 <i>Chris Lee</i> 副教授，温莎大学
11:00-11:20	待定 <i>JaeYoung Lee</i> 助理教授，中佛罗里达大学
11:20-11:40	禁止左转以提高网络安全水平 <i>Qinrui Tang</i> 博士，德国宇航中心
11:40-12:00	利用摄影测量手段进行事故测定 <i>Thomas Riedel</i> ，VS-PLUS 公司
12:00-13:30	Lunch
下午议程 1 自动驾驶安全测试	
13:30-14:00	自动驾驶时代的交通冲突与安全分析方法 <i>Andrew Tarko</i> 教授，普渡大学
14:00-14:30	面向自动驾驶车辆的道路研究框架 <i>Salvatore Damiano Cafiso</i> 教授，卡塔尼亚大学
14:30-14:50	Coffee Break
下午议程 2 道路设计安全	
14:50-15:20	中国道路交通安全改善 <i>周荣贵</i> 主任，交通运输部公路科学研究院安全中心
15:20-15:50	德国道路安全设计及被动安全设备 <i>Grimmelsmann</i> 先生与 <i>Meisel</i> 女士，德国联邦交通研究所
15:50-16:20	道路安全审计相关规定

	Nielsen 先生, FGSV
16:20-16:50	待定

时间： 5月13日下午

地点： 同济大学四平路校区中德学院901

会议主题： 中德道路交通安全研讨

中德道路交通安全研讨	
13:30-14:00	德国城市道路 Caroline Rose, 德国联邦交通研究所
14:00-14:30	非机动车交通及高速公路指导准则 Axel Wolfermann, 达姆斯塔特工业大学
14:30-14:50	茶歇
14:50-15:20	德国公路与乡村道路 Weber 教授, 达姆斯塔特工业大学
15:20-15:50	GIDAS 应用及全球事故数据改善(IGLAD) Robert Zobel 博士及 Claus-Henry Pastor, 德国联邦交通研究所
15:50-16:20	右转车辆与过街自行车的风险评估 Alexander Sohr, 德国宇航中心

Introduction to the Speakers

演讲者简介

**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
- 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. His main expertise and interests are in the areas of traffic safety analysis, simulation, big data and data analytics and ITS. He is leading a major effort in Smart Cities' research and innovation. He was awarded in 2015 the Pegasus Professorship, the highest honor at UCF. In the last 22 years, Dr. Abdel-Aty has managed more than 55 research projects in excess of \$18 million. Dr. Abdel-Aty has published more than 500 papers, more than 260 in journals (Citations 11,000, H-Index 55). He supervised to graduation 66 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 Fellow of the American Society of Civil Engineers (ASCE). He is a registered professional engineer in Florida.

Presentation Topic: Traffic Safety Improvement in USA

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。

**Guohua Li,
MD, DrPH**



- Title: Professor and Director
- Affiliation: Columbia University
- E-mail: 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: Impact of the Opioid Epidemic on Traffic Safety in the United States

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与途径》（*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。

**Bridie Scott-Parker, Ph.D.,
Professor**



- Title: Senior Research Fellow
- Affiliation: University of the Sunshine Coast
- E-mail: bscottpa@usc.edu.au
- Website: 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: Situation Awareness Fast tracking, including identifying Escape Routes: (SAFER). Improving road safety for all road users?

简介: Bridie Scott-Parker 博士是澳大利亚阳光海岸大学阳光海岸心理与神经汤普森研究所青少年风险研究中心 (Adolescent Risk Research Unit, ARRU) 的创始人和负责人, 同时也是国际青少年道路安全联盟 (CADROSA.org) 的创始人和领导者。Bridie 教授的研究领域是道路伤亡事故中年轻驾驶员和新手驾驶员的普遍问题。她致力于研究适用于年轻驾驶员道路安全、干预发展和评估的安全系统方法, 特别关注驾驶员学习驾照阶段的发展。同时她也研究青少年风险承担和个人、社会 (家长、同伴) 和环境 (立法、治安) 对风险行为的影响。Bridie Scott-Parker 教授曾获竞争激烈的国家卫生和医学研究委员会职业奖学金, 是新手驾驶员道路安全研究领域的专家。Bridie 教授还是卓越的演说家, 能够将生动讲述复杂的研究对现实世界的政策、实践和涉及道路安全的所有人的影响

**Xiaoduan
Sun
Ph.D.,
Professor**



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Brief Biography: Dr. Sun is a professor of Civil Engineering department at University of Louisiana at Lafayette. She received Ph.D., from the Ohio State University; B.S. and M.S. degrees from Xian Highway Institute (Chang'an university now), China. Dr. Sun has published over 100 journal and major conference papers and currently serves as a member for two TRB committees: Safety Performance and Transportation in Developing Countries, and ASCE safety committee. One of her roadway safety projects was awarded by AASHTO as High Value Research project. She also receives the most favorable professor of the year award in Spring 2016 from the ASCE student Chapter. Dr. Sun has advised more than 70 graduate students with MS degree and 10 students with Ph.D. degree in her 23 years in academia.

Presentation Topic: Why, What and How of Highway Safety Manual

简介: 孙小端教授就职于美国路易斯安娜大学拉菲特分校土木工程系；孙小端教授在俄亥俄州立大学获得博士学位，在长安大学攻读学士、硕士学位。孙小端教授已经发表超过 100 篇期刊论文和国际会议论文，现担任 Transportation Research Board (TRB) 安全绩效及发展中国家交通分会委员和美国土木工程学会安全分会委员。孙小端教授曾获得由美国国家公路与运输协会颁发的高价值研究项目奖，并于 2016 年获得了土木工程协会学生评选的最受欢迎教授荣誉。孙小端教授在 23 年的学术生涯中已指导了 70 名硕士研究生，及 10 名博士研究生。

**George
Yannis,
Ph.D.,
Professor**



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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: International Comparisons of Safety Performance Functions

简介: George Yannis 博士现任雅典国家技术大学 (NTUA) 土木工程学院交通规划与工程系交通安全与管理专业教授, 拥有 NTUA 的土木工程学位以及巴黎国立路桥学校硕士和运输博士学位。30 多年来, 他以工程师、学者、研究顾问和决策者身份, 积极参与交通规划和工程各个领域, 对交通运输部门的动态进行了深入和广泛的了解。其主要研究方向为道路安全、交通规划和管理、城市交通和智能交通系统, 并注重数据管理和分析。目前, 他在希腊、欧洲和全球参与了逾 210 个学术研究和工程项目, 发表了 430 余篇学术论文(其中学术期刊论文 137 篇), 此外, George Yannis 博士在欧盟和其他国际组织 (UN/ECE, 经合组织, 世卫组织, 世界银行, CEDR, ERF, ETSC) 的众多研究项目和学术委员会中作出了杰出的贡献。

**Salvatore
Damiano
Cafiso,
Ph.D.,
Professor**



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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: Road Operational Domain for Automated Vehicles - Research Framework

简介: Salvatore Damiano Cafiso 教授就职于卡塔尼亚大学土木工程与建筑系道路、铁路与机场系，讲授“公路几何设计”和“路面工程”课程，曾任博士课程“运输基础设施工程”的协调员；国际关系代表团成员之一，担任卡塔尼亚大学运输实验室机构（ITlab）主任（该机构是基础设施资产监测和管理领域最先进的大学实验室之一）。Cafiso 教授现任 TRB 几何运作效应（AHB65）、运输安全管理委员会（ANB10）委员，高速公路几何设计国际研讨会指导委员，PIARC 设计和管理更安全的道路国家技术委员会委员，在国际期刊和会议上发表 200 余篇学术论文和书籍。由 Cafiso 教授带领的研究团队在道路安全领域具有极高的国际声誉，研究内容应用于数据统计分析，现实交通冲突研究和微模拟环境，设计一致性建模与评估，道路安全审计与检查，和网络安全管理等。