Welcome

The Swedish National Road and Transport Research Institute (VTI), together with the Research Institute of Highway (RIOH), and the Transportation Research Center at Beijing University of Technology, and with support of the Ministry of Transport of the People’s Republic of China, have the pleasure of welcoming you to the 16th international conference “Road Safety on Four Continents” in Beijing, China 15–17 May 2013.

Deaths and personal injuries in traffic have been one of the largest global health problems for a long time. Every 30 seconds a person is killed in a road crash – more than 3,000 per day – and almost 1.2 million people per year die in road crashes worldwide. As many as 50 million people are injured. More than 85 per cent of the road traffic deaths and injuries occur in low income and middle income countries. This is the extent of the global road safety problem.

“Road Safety on Four Continents” is one of the premier and prestigious conferences in the road safety area. The conference in Beijing will be the 16th in a series of conferences starting in 1987 with emphasis on two continents, Europe and North America and later on organized also in Africa and Asia including four continents. However, the organisers have welcomed participation from other continents and a great number of delegates from South America and Australia have participated.

China will be a key player for the future global automotive market and is the fastest growing market in this respect. With the growing motorization come the negative effects of transport. Road safety has in recent years become a top priority in China and it is with great satisfaction this RS4C conference is organized together with partners and supporters for the first time in China.

This conference will be an important event, which allows experts, decision makers, practitioners and other delegates with an interest in road safety development to come together in fruitful discussions and exchange of information in all different aspects of Road Safety. It will be a meeting place and during these days we will share results and experience between organisations, countries, continents and most important between people.

Kent Gustafson
Chairman Scientific Committee

May 14th

Registration 08.00 - 09.00

Workshop

Sharing Road Safety – International Workshop in Scientific Safety Estimation

Co-sponsors: Research Institute of Highway of China, Beijing University of Technology, ITF/OECD, TRB, VTI

09.00-12.00 Morning Session:
Highway Safety Manual Development and Deployment
Presenters: Karen Dixon and John Milton
• Overview of HSM
• HSM Applications
• Ongoing R&I supporting HSM

14.00 -17.00 Afternoon Session:
International Sharing and Collaboration

International Transport Forum (ITF) Work on Sharing Road Safety
Stephen Perkins, ITF/OECD

Research Framework proposed by ITF
Blair Turner, Australia

Country/Region Experiences
China , Zhou Ronggui, RIOH
Australia, Blair Turner, Australia
Europe, Harri Peltola, Finland

International Efforts
FHWA/FEHRL Collaboration, Blair Turner, Australia
iRAP, Greg Smith

Potential for International Collaboration.
Panel Discussion
Moderator: Xiaoduan Sun, United States
Blair Turner, Australia
Karen Dixon, United States
Laurent Carnis, France
Greg Smith, iRAP

What’s Next?
Workshops: Washington, DC (January 2014);
Paris, France (April 2014); Vancouver, Canada (June 2015)
Blair Turner

TRB Subcommittee on International Safety Research
Karen Dixon
Committees and chairmen

Organizing committee

• Chairman Prof. Zhou Wei, President of RIOH, China
• Vice Chairman Kent Gustafson, Deputy Director General of VTI, Sweden
• Kaimin Niu, RIOH, China
• Ronggui Zhou, RIOH, China
• Chengcheng Tang, RIOH, China
• Gaoqiang Zhang, RIOH, China
• Bin Shu, RIOH, China
• Yan Guo, RIOH, China
• Ying Jiang, RIOH, China
• Xiaoduan Sun, Beijing University of Technology, China
• Yanyan Chen, Beijing University of Technology, China

Scientific committee

Kent Gustafson, Chairman
VTI Sweden
Zhou Wei
Director of RIOH China
Xiaoduan Sun
University Of Louisiana China/USA
Wang Xiaojing
RIOH China
Gao Hailong
RIOH China
Li Aimin
RIOH China
Li Bin
RIOH China
Zhou Ronggui
RIOH China
Tang Chengcheng
RIOH China
Liu Huixue
RIOH China
Guo Zhongyin
The School of Transportation Engineering, Tongji University China
Liu Haoxue
Chang’an University China
Wang Changjun
Traffic Management Research Institute China
Yanyan Chen
Beijing University of Technology China
Yulong He
Beijing University of Technology China
Rong Jian
Beijing University of Technology China
Liu Xiaoming
Beijing Municipal Commission of Transport China
Alberto José Silveira
Luchemos por la vida Argentina
Mary Lydon
University of Adelaide Australia
Michael Tziotis
AARB Australia
Georg Hauger
Technical University of Vienna Austria
Peter Silverans
Belgian Road Safety Institute Belgium
Michael Lenné
MUARC Australia
Bhagwant Persaud
Ryerson University Canada
Karel Pospisil
CDV - Transport Research Centre Czech Republic
Juha Luoma
VTT Finland
Laurent Carnis
INRETS France
Horst Schultze
Bast Germany
George Giannopoulos
Hellenic Institute of Transport Greece
Evdokia Bekiaris
CERTH/HIT Greece
Péter Holló
KTI Hungary
Tuenjai Fukuda
Nihon University Japan
Atsushi Fukuda
Nihon University Japan
Terje Assum
TØI Norway
Fridulf Sagberg, TØI, Norway
Rune Elvik, TØI, Norway
Joanna Zukowska, Gdansk University of Technology, Poland
João Cardoso, LNEC, Portugal
Ho Seng Tim, LTA, Singapore
Pieter Venter, ITSE, South Africa
András Várhelyi, Lund University, Sweden
Anna Vadeby, VTI, Sweden
Björn Peters, VTI, Sweden
Ása Forsman, VTI, Sweden
Astrid Linder, VTI, Sweden
Robert Thomson, VTI, Sweden
Jan Andersson, VTI, Sweden
Magnus Hjälm Dahl, VTI, Sweden
Nils Petter Gregersen, VTI, Sweden
Yaser Hawas, UAE University Al-Ain, UAE
Richard Cuerden, TRL, United Kingdom
Richard Pain, TRB, USA
Karl Kim, University of Hawaii, USA
Michael Griffith, FHWA, USA
Mohamed Abdel-Aty, University of Central Florida, USA
Kohinoor Kar, Arizona DOT, USA
Azim Eskandarian, The George Washington University, USA
Kenneth Opiela, USA
May 15th

Registration 08.00 - 09.00

Opening Ceremony

09.00-10.00

Welcome addresses

Chairman: Mr. ZHANG Jinquan, vice-president of RIOH, China

Mr WENG Mengyong, Deputy Minister of Ministry of Transport (MOT), China

Mrs Ingela Bendrot, State Secretary to the Minister for Infrastructure, Ministry of Enterprise, Energy and Communications, Sweden

Prof. ZHOU Wei, President of RIOH, China

Mr Jonas Bjelfvenstam, Director General, VTI, Sweden

Prof. Ailin Zhang, Vice-President, Beijing University of Technology, China

Coffee 10.00 - 10.30

Plenary Session

10.30-12.00

Chairman: Mr. ZHANG Jinquan, vice-president of RIOH

History and Development of Road Safety in China
Prof. Zhou Haitao, Chief Engineer, Ministry of Transport (MOT), China

Key note speech
Dr Stephen Perkins, Head of the Transport Research Centre
International Transport Forum, France

Key note speech
Dr Margie Peden, Coordinator, Unintentional Injury Prevention WHO

Key note speech
Prof. Xiaojing Wang, Chief Engineer, RIOH, China

Lunch 12.00-13.30
### Session 1

**13.30-15.00**  
**Road safety plans and strategies**

Chairman: Laurent Carnis, IFSTTAR, France

- Vision Zero a policy innovation – From Vision to Reality  
  Christer Löfving, Swedish Transport Administration, Sweden

- Forecasting the Public Health Effect of a National Road Safety Programme  
  Stefan Siegrist, Swiss Council für Accident Prevention bfu, Switzerland

- Road Safety Within the “Integrated System of Transport Safety”  
  Lech Michalski, Gdansk University of Technology, Poland

- Linking the Fifth Pillar to the First in the UN Decade of Action  
  Mark King, Queensland University of Technology, Australia

- SNIP2 – A Tool for Developing a Strategic Safety Improvement Plan by Multiple Agencies  
  Andrew P. Tarko, Purdue University, USA

### Session 2

**13.30-15.00**  
**Speed management**

Chairman: Xiaoduan Sun, Beijing University of Technology, China

- Speed Adaption Control by Self-Explaining roads, SPACE  
  Leif Sjögren, VTI, Sweden

- Engineering Based Measures to Manage Speeds on Rural Roads  
  Blair Turner, ARRB Group Ltd, Australia

- Speed Management in Sweden: Evaluation of a New Speed Limit System  
  Anna Vadeby, VTI, Sweden

- Using Variable Speed Limits to Reduce Rear-End Collision Risks Near Recurrent Bottlenecks  
  Zhibin Li, Southeast University, China

- Perceptual Pavement Markings and Their Application  
  Li Chang-cheng, Beijing University of Technology, China

### Session 3

**13.30-15.30**  
**GRSF and World Bank session I**  
**Sharing solutions for transitioning economies**

Welcome and Opening Addresses: Setting the Context

- Global Road Safety Facility
- The World Bank
- Research Institute of Highways

Roundtable Panel: Sharing Solutions for Transitioning Economies

- Scale of injury and risk factors
- National policy goals – similarities and divergences
- Coordinated response mechanisms at central, state and local level
- Where are the low-hanging fruit?

Deputy Director, State Administration for Work Safety, China

Prof. Dinesh Mohan, India Institute of Technology, India

Ms. Le Minh Chau, Deputy Director, Department of Traffic Safety, Vietnam

Mr. Djoko Murjanto, Director General, Directorate General of Highways, Indonesia

Moderated by Mark Lundell, Sector Manager, the World Bank

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**Coffee and Poster Presentations 15.00-16.00**
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<td>16.00-17.30 Road safety plans and strategies II</td>
<td>16.00-17.30 Crash recording systems and black spot evaluation</td>
<td>16.00-17.30 GRSF and World Bank session II</td>
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<td>Chairman: Richard Krystek, Motor Transport Institute, Poland</td>
<td>Chairman: Horst Schulze, Federal Highway Research Institute, Germany</td>
<td>The International Road Assessment Program (iRAP) Rob McInerney, CEO, iRAP</td>
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<td>Road Safety Observatories – an Element of Systemic Road Safety Action on the Example of the Polish Region of Warmia and Mazury Joanna Zukowska, Gdansk University of Technology, Poland</td>
<td>Identifying Black Spots Using Property Damage Only Equivalency (PDOE) Factors Simon Washington, Queensland University of Technology, Australia</td>
<td>Building ChinaRAP Greg Smith, Regional Director, iRAP Asia Pacific</td>
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<td>Road Safety Knowledge Exchange and Capacity Building Between China and Australia Ann Yuan, Global Road Safety Partnership, China</td>
<td>Motor Vehicle Crashes Registered by Casualties’ Place of Accident or Place of Residence. Urban and Rural Differences in Norway Stig H. Jørgensen, Norwegian University of Science and Technology (NTNU), Norway</td>
<td>ChinaRAP case studies Zhang Tiejun, Senior Engineer, Research Institute of Highway (RIOH), Ministry of Transport</td>
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<td>Road Safety Management Tools at Country Strategic Level Kazimierz Jamroz, Gdansk University of Technology, Poland</td>
<td>Fatal Motorcycle Collisions in Malaysia, 2007-2011 Jennifer Oxley, Monash University Accident Research Centre (MUARC), Australia</td>
<td>Wrap up and conclusions Global Road Safety Facility</td>
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<td>Is Cycling a Safe Mode? Comparing Apples with Apples Dr Glen Koorey, University of Canterbury, New Zealand</td>
<td>Comparing Police- and Health Authority-based Road Traffic Injury Surveillance Systems in Ulaanbaatar, Mongolia Celestin Karamira, Royal Tropical Institute Amsterdam, Germany</td>
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<td>Urban Road Accidents in Dhaka, Bangladesh Ishtiaque Ahmed, University Technology Malaysia (UTM), Malaysia</td>
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The World Bank, through the Global Road Safety Facility (GRSF), is fully committed to the objective of significant and sustained reductions in road traffic injuries, through activities designed to accelerate and scale-up the efforts of low and middle-income countries to build their technical and managerial capacities, implement cost-effective road safety programs and meet their commitments under the UN Decade of Action for Road Safety.

As part of the 16th edition of “Road Safety on Four Continents”, held for the first time in the world’s most populated country, the Global Road Safety Facility will be hosting an international session on injury risk factors & mitigating measures adapted to the context and dynamics of rapidly transitioning economies.

Adopting a shared framework

The Asia-Pacific region includes some of the world’s fastest growing and largest emerging market economies, accounting for almost 50% of the global increase in cars in circulation. With rapidly expanding vehicle fleets and unprecedented road network investments, the region will be instrumental in reaching the overall goals of the UN Decade of Action 2011-2020.

Asian economies stand at a crossroads as they seek to avert the road injury carnage that so often accompanies economic growth; both by applying well documented practices and by developing innovative and country-appropriate responses. With many commonly shared challenges, Asian economies have a real opportunity to share good practices and learn from each other.

Target audience

This session is of particular interest to delegates representing road safety agencies, public works departments, transport research institutes and industry with a stake in the international knowledge-sharing agenda.

Structure & expected outcomes

The session will elicit a multi-country review of road traffic injury risk factors prevailing in rapidly transitioning economies and the potential offered by policy responses and engineering measures, drawing on the findings of recent road assessment programs funded by the World Bank. Guest panellists will discuss what improvements need to be made both at country level and within the international collaboration framework to ensure good practices are adopted much faster than today.
# Session 7

### 08.30-10.00

**Traffic engineering innovations including road design**

Chairman: Blair Turner, ARRB Group Ltd, Australia

Building Chinarap
Greg Smith, iRap, Australia

**A Road Safety Approach For a New Revision of the Portuguese Design Guidelines**
António Lemonde de Macedo, LNEC, Portugal

**Innovative Intersection Designs Better Aligning with Safe System**
Nimmi Candappa, Monash University Accident Research Centre (MUARC), Australia

**Level of Service of Safety Graded Quantitative Research for Low-Grade Highway Sections**
Lizhen Du, Beijing University of Technology, China

**Severe Traffic Crash Speaks: Safety Facts from Mountain Roads in China**
Han Hu, RIOH, China

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# Session 8

### 08.30-10.00

**Road user behaviour I**

Chairman: Yanyan Chen, Beijing University of Technology, China

**What Motivates Drivers to Disobey Traffic Regulations and How Can We Change This Behaviour?**
Sonja Forward, VTI, Sweden

**Demographic and Socioeconomic Factors Associated with Traffic Crash Involvement in Florida**
Mohamed Abdel-Aty, University of Central Florida, USA

**Accidents Risk and Road Safety Among Immigrants in Norway**
Terje Assum, Institute of Transport Economics – TØI, Norway

**Pedestrian Crashes During Jaywalking, Can We Afford to Overlook?**
Jaisung Choi, The University of Seoul, South Korea

**Genomewide association study on fallible behavior of accident-repeated drivers in China**
Huqing Jin, Anhui Sanlian University, China

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# Session 9

### 08.30-10.00

**Economic issues, enforcement and emergency traffic**

Chairman: Andrew Tarko, Purdue University, USA

**Social Costs of Road Crashes: an International Analysis**
Wim Wijnen, W2 Economics/SWOV Institute for Road Safety Research, Netherlands

**Automated Enforcement. Get It Right, Make It Safe**
Philip Wijers, GATSO, Netherlands

**Programming Police Enforcement in Highway Work Zones**
Erdong Chen, Purdue University, USA

**Methods of Emergency Traffic Organization, Taking Boshen Highway As An Example**
Pengpeng Jiang, RIOH, China

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Coffee 10.00-10.30
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Traffic engineering innovations including road design and geometry and behavioural issues  
Chairman: Simon Washington, Queensland University of Technology, Australia  
Top-level Design Plan of Operation Surveillance on National Highway System  
Yan Wang, MOT, China  
A Driving Simulator Evaluation of Road Markings and Symbolic Signs on Vehicle-Pedestrian Conflicts.  
Radhameris A. Gomez, University of Massachusetts, USA  
Research on Setting of At-Grade Pedestrian Crossing Facilities in Shenzhen, China  
Keman Wu, RIOH, China  
Proposal of Integrations to the Italian Road Regulation on Cycle Mobility. Learning from Foreign Best Practices  
Michele Pezzagno, University of Brescia, Italy  
Research on Cyclists Microscopic Behavior Models at Signalized Intersection  
Jiang Haifeng, RIOH, China | **10.30-12.00**  
Road user behaviour II  
Chairman: Nils Petter Gregersen, VTI, Sweden  
Discussion of Methods for Driver Behaviour Oriented Road Safety  
Prof. Shouen Fang, University of Tongji, China  
Characteristics of Chinese Drivers Attending a Mandatory Training Course Following Licence Suspension  
Dr Judy Fleiter, Centre for Accident Research and Road Safety-Queensland (CARRS-Q), Australia  
Driver Style and Driver Skill-Clustering Sub-Groups of Drivers Differing in Their Potential Danger in Traffic  
Laila Martianne Martinussen, Technical University of Denmark, Denmark  
Towards a Cognitive Assessment of Senior Drivers’ Fitness to Drive  
Michael Hull, Pan Pacific Research Pty Ltd, Australia  
Eliminating the Manual Interference in Driving License Test  
Srinivas Puppala, Government of Andhra Pradesh, India | **10.30-12.00**  
Rural safety, preventive safety measures, audits  
Chairman: Greg Smith, iRap, Australia  
Risk of Accidents During Darkness on Roads with Different Technical Standards  
Mariusz Kiec, Cracow University of Technology, Poland  
Contributing Factors Regarding Wrong-Way Crashes on Illinois Freeways  
Hugo Zhou, Southern Illinois University, USA  
Road Safety Inspections - The Audit of Roads in Operation As an Addition for More Detailed Review of the Traffic Situation at Road Network  
Klaus Habermehl and Jürgen Follmann, Darmstadt University of Applied Sciences, Germany  
The Practice of Road Safety Audit on Expressways in China  
Wu Hongbo, RIOH, China  
Road Safety Techniques under Adverse Weather Conditions  
Changcheng Li, RIOH, China |
### Session 13

**13.30-15.00**  
**Modelling and evaluation techniques**

Chairman: Bhagwant Persaud, Ryerson University, USA

- Calibrating VISSIM Roundabout Model using a Critical Gap and Follow-up Headway Approach  
  Zhixia Li, University of Wisconsin, USA

- Developing Safety Performance Functions for a Mountainous Freeway  
  Mohamed Abdel-Aty, University of Central Florida, USA

- Predicting Drivers’ Future Crash Risk Based-on Their Crash History  
  Xiaoduan Sun, University of Louisiana, USA

- Occupant Diversity in Modelling and Evaluation Related to Soft Tissue Neck Injuries in Low Severity Impact  
  Astrid Linder, VTI, Sweden

- User Cost Estimation on Road Networks by Means of Bayesian Probabilistic Networks  
  Markus Deublein, Swiss Federal Institute of Technology, Switzerland

### Session 14

**13.30-15.00**  
**Distraction and alcohol related adverse effects on driving**

Chairman: Terje Assum, Institute of Transport Economics – TØI, Norway

- Driver Attention is Captured by Roadside Advertising Signs  
  Lene Herrstedt, Trafitec, Denmark

- Designing Evidence-Based Guidelines for the Safe Use of Digital Billboard Installations: Experience and Results from Australia  
  Paul Roberts, ARRB Group, Australia

- Don’t Drink and Drive Work Towards Young People  
  Helena Hellsten, Helsäker Konsult AB, Sweden

- Reducing Alcohol-Related Driving on China’s Roads: Traffic Police Officers’ Perceptions and Practice  
  Keqin Jia, Queensland University of Technology, Australia

- Alcohol- and Drug-Related Fatal Accidents in Sweden: Where Do They Occur?  
  Susanne Gustafsson, VTI, Sweden

### Session 15

**13.30-15.00**  
**Vehicle safety, urban and work zone safety**

Chairman: Karel Pospisil, CDV - Transport Research Centre, Czech Republic

- Writing a Handbook of Vehicle Safety Measures  
  Eryong Liu, Autoliv Research, China

- An Assessment on the Effectiveness of Traffic Calming Markings (TrCM) and Alternative for Speed Regulating Strips  
  Joshua Ng Yew Wei, Land Transport Authority, Singapore

- Impacts of Cross-Sectional Elements (Median Configurations and Bicycle Lanes) At Urban Arterial Driveway Locations  
  Yanfen Zhou, Oregon State University, USA

- Influence of Red Motorcycle Box to the Traffic Conflict and Traffic Flow at the Ahmad Yani-Laswi Signalized Intersection  
  Agah Muhammad Mulyadi, Institute of Road Engineering, Indonesia

- Safety Evaluation of Work Zone Including Its Technologies Using Stochastic Microsimulation  
  Essam Radwan, University of Central Florida, USA

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Coffee and Poster Presentations 15.00-16.00
### Session 16
**16.00-17.30**
**Modelling and evaluation techniques II**

**Chairman:** Mohamed Abdel-Aty, University of Central Florida, USA

- **Development of Surrogate Measures for Crash-Based Safety Estimation**
  Bhagwant Persaud, Ryerson University, USA

- **Safety Performance Models for Pedestrians and Bicyclists**
  Thomas Jonsson, Lund University, Sweden

- **Investigating Different Road Safety Implications of two TDM Policy Measures: Fuel-Cost Increase and Teleworking**
  Yongjun Shen, Transportation Research Institute (IMOB), Hasselt University, Belgium

- **A Novel Approach for Diagnosing Road Safety Issues using Automated Computer Vision Techniques**
  Tarek Sayed, University of British Columbia, Canada

- **Inter-national Benchmarking of Road Safety: State of the Art**
  Yongjun Shen, Transportation Research Institute (IMOB), Hasselt University, Belgium

### Session 17
**16.00-17.30**
**Distraction and behavioural effects on driving**

**Chairman:** Georg Hauger, TU Wien, Austria

- **Analysis of Risk Perception and Behaviour for Vulnerable Groups**
  Prof. Yanyan Chen, Beijing University of technology, China

- **Driver Reactions to Horn and Headlight Warnings in Critical Situations – A Simulator Study**
  Jonas Jansson, VTI, Sweden

- **Dangerous Use of Mobile Phones and Other Communication Devices While Driving – a Toolbox of Countermeasures**
  Nils Petter Gregersen, VTI, Sweden

- **Study of Behaviour of Two Wheeler Drivers towards Helmet Wearing, Talking on Cell Phone while Driving and Driving with Many Pillion Riders**
  Dr. Poonam Mittal, Uka Tarsadia University, Bardoli, Gujarat, India

### Session 18
**16.00-17.30**
**Safety management techniques**

**Chairman:** Dr. Hailong Gao, RIOH, China

- **Implementing the Safe System Approach to Road Safety: Some Examples of Infrastructure Related Approaches.**
  Blair Turner, ARRB Group Ltd, Australia

- **Situations and Challenges of Road Safety in China**
  Li Yaning, RIOH, China

- **A Comparative Study of the Application of the Standard Kernel Density Estimation and Network Kernel Density Estimation in Crash Hotspot Identification**
  Yue Tang, University of Massachusetts Amherst, USA

- **Study of Influence of Barriers on Visibility of Two-Way Highways**
  Ana Paula C Larocca, University of São Paulo, Brazil

- **Vulnerable Road Users (VRUs) Safety in Bangladesh**
  Mohammad Faizus Salehein, Bangladesh University of Engineering and Technology (BUET), Bangladesh
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<td>School and child safety</td>
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<td>Closing of the 16\textsuperscript{th} RS4C conference</td>
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<td>Chairman: Mr. NIU Kaimin, RIOH, China</td>
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<td>Physical Impairment and Medical Care Spending by Road Accident Victims</td>
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<td>Graham Spencer, RMIT University, Australia</td>
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<td>Kerry Montero, GSC Partners, Australia</td>
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<td>Ryszard Krystek, Motor Transport Institute, Poland</td>
<td>SUN Xiaoduan, Beijing University of Technology, China</td>
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<td>Is ITS The Solution to Creating a Safe City Environment for Children?</td>
<td>Safedrive Medical: Assessing Fitness to Drive</td>
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<td>Lars Leden, VTT, Finland</td>
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<td>Per Gårder, University of Maine, USA</td>
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<td>Drivers’ Intention to Comply with the Speed Limit in School Zones in Malaysia</td>
<td>Exposure Work Commuting: Case Study Among Commuting Accident in Klang Valley, Malaysia</td>
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<td>Mark King, CARRS-Q, Australia</td>
<td>Nurulhuda Jamaluddin, Malaysian Institute of Road Safety Research-MIROS, Malaysia</td>
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<td>Road Safety school – How We Work with Schools and Traffic in Malmö, Sweden</td>
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<td>Lotta Cederfeldt, Streets and Parks Department, City of Malmö, Sweden</td>
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**Coffee 10.00-10.30**                                                                 **Lunch 12.00-13.00**
Tour alternative 1
Beijing Proving Ground - BJPG

Proving Ground for Highway and Traffic, the Ministry of Transport (for short “Beijing Proving Ground” or “BJPG”) belongs to Research Institute of Highway, the Ministry of Transport and invested in by the Ministry of Transport.

BJPG is an integrated proving ground for automotive engineering, highway engineering and traffic engineering, with locations is in Tong Zhou Qu, Da Du She Xiang - 28 km away from downtown Beijing.

The total area is 2.4 km² and includes a full scale crash test laboratory, high speed track, horizontal straightway, different friction coefficient test roads, and more.

Tour alternative 2
Traffic Engineering Laboratory of Beijing University of Technology

Being continuously invested in for more than twenty years, the first-ever funded traffic engineering laboratory in China, Traffic Engineering Laboratory of Beijing University of Technology, has become a world-leading open laboratory in traffic engineering field from its initial state in which it had only a few simple equipments, such as air pressure cube flow detectors, radar speed meters, counters and stopwatches.

The laboratory currently comprises seven highly specialized research laboratories covering the areas of traffic safety, traffic planning, traffic simulation, traffic control, driving behavior, traffic information, intelligent transportation and road engineering.

TOCC

Beijing Municipal Transportation Operations Coordination Center (TOCC) aims to establish the normalized coordination and management system for the integrated transportation, promote the operation efficiency and service of Beijing transportation system, strengthen the capability for traffic safety, emergency management and disaster prevention and mitigation, alleviate traffic congestion and provide better service for travelers.

TOCC accommodates four centers: the authoritative, comprehensive and real-time traffic data center, the monitoring and warning center for transportation operation, the operation coordination center for multi-mode transportation and the traffic information publication center. TOCC provides service for government policy, industry supervision, enterprise operation and people travel.
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<td>Chuanjiao Sun, RIOH, China</td>
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<td>Relationship Between Speed and Lateral Position on Curves</td>
<td>Shauna Hallmark, Iowa State University, USA</td>
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<td>UN Decade of Action for Road Safety in the National Road Safety Strategy Until 2020 – Polish Approach</td>
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VTI, the Swedish National Road and Transport Research Institute, is an independent and internationally prominent research institute in the transport sector. The Institute is a government agency under the Swedish Government.

VTI’s principal task is to conduct research and development related to infrastructure, traffic and transport. We work with all modes of transport and the fields of pavement technology, infrastructure maintenance, vehicle technology, traffic safety, traffic analysis, people in the transport system, environment, planning and decision making processes, transport economics and transport system. The knowledge that the institute provides gives a basis for decisions for players in the transport sector and in many cases finds direct application in both national and international transport policies.

VTI conducts commissioned research in an interdisciplinary organisation. The institute also works with investigations, provides consultancy services, and performs different kinds of measurement and testing services. The institute also has a great deal of technically advanced equipment and world-class driving simulators. There is also a laboratory for road materials and a crash test laboratory.

Research Institute of Highway (RIOH), Ministry of Transport was established in 1956, which is a large-scale integrated road transport research institute directly under the Ministry of Transport. Its discipline mainly covers road constructions, bridge construction, traffic safety, intelligent transportation, automotive engineering, road transport and logistics, road ecological and environmental protection engineering.

Its education system includes a master degree program, a doctoral degree program, and a post-doctoral research position. Also, it has several national and ministry-level laboratories, and especially a comprehensive testing ground. A high-level research team working in RIOH includes a Chinese Academy of Engineering and several well-known experts.

Department of Traffic safety was founded in 1973. It specializes in road safety research and consultation, formulation of national and industrial standards and specifications, quality supervision and testing of relevant products and projects, road safety audit, forensic science on traffic accident, education and development of products.

BJUT, Beijing University of Technology, was founded in 1960. As the key university in Beijing, it is one of the first granted master’s degree and one of the first to enter the national “211 Project” and “Education and Training Program of Excellence engineers” colleges.

Traffic Engineering Laboratory of BJUT is “Beijing Key Laboratory of Traffic Engineering” and “State Key Laboratory Cultivation Base Co-constructed by province and the Ministry of Science and Technology of China”. The laboratory currently comprises seven highly specialized research laboratories, covering the areas of traffic safety, traffic planning, traffic simulation, traffic control, driving behavior, traffic information, intelligent transportation, and road engineering etc. It has become a world-leading open laboratory in traffic engineering field.

The theoretical and application researches conducted by the laboratory have long been oriented to the hot and hard issues faced by Beijing urban transportation, and the three specialized research directions; traffic behavior and safety, complete information theory and road foundations, have been formed gradually on the basis of a series of research achievements.
T2013 will present a global forum at which all those involved in road safety and injury prevention research and policy, particularly from the fields of drugs and alcohol, can meet with researchers, academics and professionals to discuss and present on the latest work being undertaken in these areas.

The conference themes will provide the opportunity for a broad range of presentations, workshops, symposia and discussion, and dedicated programs will be offered for young scientists, early career researchers, students and those from low and middle income countries.

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ICADTS Past President

Pablo Carignano  
Buenos Aires City Government

Dr Leilei Duan  
National Centre for Chronic and Non-communicable Disease Control and Prevention, China CDC

Dr Kazuko Okamura  
National Research Institute of Police Science, Japan

Dr Wolf-Rudiger Nickel  
Past ICADTS President

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Academics, researchers and practitioners in the areas of:

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- Public Health
- Law
- Medicine
- Economics
- Law enforcement
- Public Policy
- Education
- Pharmacology and Toxicology
- Forensic Science
- Human Factors
- Alcohol Intervention and Rehabilitation

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