

# Building Safer Communities

Interdisciplinary Approaches to Improving Urban Traffic Safety

April 23-26, 2012 | Shaw Conference Centre | Edmonton, Alberta



## WEDNESDAY, APRIL 25

### MORNING

- 0700 Refreshments
- 0800 Welcome & Introductions from International Conference on Urban Traffic Safety Committee & Guests  
Dallas Arcand, World Champion Hoop Dancer, Alexander First Nation, Alberta, Canada
- 0900 Keynote: Automated Enforcement: Speed and Red Light Running  
Simon Washington, Ph.D. Queensland Transport and Main Roads Endowed Chair, School of Urban Development, Faculty of Built Environment and Engineering, Queensland University of Technology, Brisbane, Australia

- 1000 Break
- 1030 Concurrent Sessions

- E1 Pedestrian Crash Trends & Countermeasures: A Global Perspective  
Peter Lagerwey, Senior Planner, Regional Office Director, Seattle, Washington, USA

*Meeting Room: SALON 2*

- E2 Enforcement Strategies for Traffic Countermeasures: Dealing with Repeat Offenders  
James C. Fell, Senior Research Scientist, Pacific Institute for Research & Evaluation, Alcohol, Policy and Safety Research Center, Calverton, Maryland, USA

*Meeting Room: SALON 3*

- E3 Enhancing Relationships through Innovation & Design  
Dave Miller, Director of Engineering, Siemens ITS, Austin, Texas, USA

*Meeting Room: SALON 4*

- E4 Statistical Analysis: Improving Accuracy through Combining Predictions  
Stein Kretsinger, Director of Project Development, Elder Research, Inc. Charlottesville, Virginia, USA

*Meeting Room: SALON 5*

### AFTERNOON

- 1145 Lunch
- 1300 Concurrent Sessions

- F1 Mobility & Safety: Variable Speed Limits  
Tony Qiu, Dr. Assistant Professor, University of Alberta, Transportation Engineering, Department of Civil and Environmental Engineering, Edmonton, Alberta, Canada

*Meeting Room: SALON 2*

- F2 Risk Factors Predicting Impaired Driver and Other Prolific Offenders  
Ken Wanberg, Ph.D., Center for Addictions Research and Evaluation - CARE, Arvada, Colorado, USA

*Meeting Room: SALON 3*

- F3 Automated Enforcement for Speeding & Red Light Running: NCHRP Project  
Kimberly Eccles, P.E., VHB Engineering, P.C., Raleigh, North Carolina, USA

*Meeting Room: SALON 4*

- F4 Repeat Speeding Offenders – Time To Stop Thinking Of Them As Just ‘Unlucky Normal’ Drivers  
Judy Fleiter, Ph.D., Postdoctoral Research Fellow, Centre for Accident Research and Road Safety-Queensland, Queensland University of Technology, Brisbane, Australia and current Visiting Scholar, Zhejiang Police College, Hangzhou, China

*Meeting Room: SALON 5*

- 1415 Break
- 1445 Closing Keynote: Towards Zero: Using Evidence and Aspiration to Implement a Safe Road System in Western Australia  
Iain Cameron BPE, Dip Ed, Post Grad Dip Health Prom, MPH, GAICD, Executive Director, Office of Road Safety, Perth, Western Australia

- 1600 Closing Ceremony

## EXHIBITS



## PARTNERS



# CONFERENCE PROGRAM

All presentations are held on the Meeting Level @ Shaw Conference Centre



Edmonton's 4<sup>th</sup> Annual International  
Conference on URBAN TRAFFIC SAFETY

## MONDAY, APRIL 23

### MORNING

0700 Registration | Refreshments

0800 Opening Ceremony

Welcome & Introductions from International Conference on Urban Traffic Safety  
Laura Thue, Ph.D., Senior Research Coordinator, Office of Traffic Safety, City of Edmonton, Lyle Toostoos, Poundmakers, Saskatchewan, Canada and Master of Ceremony: Brenda Robinson

The Power of Positive Communications for Building Safer Communities

0900 Keynote: Traffic Safety Culture: Transformations to Developing Safer Communities

Joseph S. Toole, Federal Highway Administration (FHWA) Office of Safety (Ret). Alexandria, Virginia, USA

1015 Break

1030 Concurrent Sessions

A1 Crash Data: Research In-Depth Crash Investigation UAE

Mostafa Aldah, Ph.D., Dubai, United Arab Emirates, and Research Associate, Loughborough University, UK

*Meeting Room: SALON 2*

A2 Road Policing: Automated Enforcement Intelligence

Neil Paterson, Detective Superintendent, State Intelligence Division Intelligence & Covert Support Department, Victoria Police, Melbourne, Australia

*Meeting Room: SALON 3*

A3 Drug Impaired Driving: Evaluating the Threat To Traffic Safety

Dr. Jeffrey Brubacher, Director, Vancouver General Hospital Emergency Medicine Research Program. Emergency, Physician, Clinical Toxicologist at BC Drug & Poison Control Information Centre, Vancouver, British Columbia, Canada

*Meeting Room: SALON 4*

A4 Strategies to Reduce Driving Under the Influence Alcohol

Ralph Hingson, Sc.D., M.P.H., Director, Division of Epidemiology and Prevention Research, National Institute on Alcohol Abuse and Alcoholism, Bethesda, MD, USA

*Meeting Room: SALON 5*

### AFTERNOON

1145 Lunch

1300 Concurrent Sessions

B1 Methods of Reducing Collisions on Alberta Roads - Implementation

Jason Dunn, BE (Hons) CPEng (Aus), Vice President, Opus International Limited, Calgary, Alberta, Canada

*Meeting Room: SALON 2*

B2 Creating a Road Safety Legacy: Children As Passengers and Pedestrians

Kristen Gane, Manager, Programs, Coordinator, Child Passenger Safety, Safe Kids Canada, Toronto, Ontario, Canada

*Meeting Room: SALON 3*

B3 Lessons Learned in the Development of A Strategic Highway Safety Plan In North America

Peter Park, Ph.D. P.Eng, Assistant Professor, University of Saskatchewan, College of Engineering, Saskatoon, Saskatchewan, Canada

*Meeting Room: SALON 4*

B4 Change of Norwegian Road Traffic Act: Impairment Based Limits For Driving Under The Influence of Drugs Other Than Alcohol

Asbjørg S. Christophersen, Department Director, Div. of Forensic Medicine and Drug Abuse Research, Norwegian Institute of Public Health, Oslo, Norway

*Meeting Room: SALON 5*

1415 Break

1445 Keynote: Safe System Approach Theory & Practice

Bruce Corben, Ph.D. Associate Director, Monash University Accident Research Centre, Melbourne, Australia  
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1600 Closing Remarks

## TUESDAY, APRIL 24

### MORNING

0730 Refreshments

0830 Welcome & Introductions

Student Paper Competition Award Presentation: Sponsored by Capital Region Intersection Safety Partnership CRISP

0845 Keynote: Theory U: Leading Innovation & Change in Traffic Safety

Otto Scharmer, Ph.D., Senior Lecturer, Massachusetts Institute of Technology (MIT), Founding Chair, Presencing Institute, Cambridge, Massachusetts, USA | SPONSORED BY CRISP

1000 Break

1030 Concurrent Sessions

C1 Road Safety & Engineering

Raheem Dilgir, P.Eng, MBA, President, TranSafe Consulting, Vancouver, British Columbia, Canada

*Meeting Room: SALON 2*

C2 Leadership, Law & Enforcement For Traffic Safety

Chief Neil Dubord, Transit Police, Vancouver, British Columbia, Canada

*Meeting Room: SALON 3*

C3 Intelligent Traffic Management

*Meeting Room: SALON 4*

C4 Transforming Traffic Safety: Sustainable Growth

Naveen Lamba, Associate Partner, Smarter Government, Transportation and Public Safety, IBM Global Business Services, Herndon, Virginia, USA | SPONSORED BY IBM

*Meeting Room: SALON 5*

### AFTERNOON

1145 Lunch

1300 Concurrent Sessions

D1 Evaluating the City of Edmonton Office of Traffic Safety Silverberry Action Plan to Reduce Vehicle Speed

Karim El-Basyouny, Ph.D., Assistant Professor, Department of Civil and Environmental Engineering, University of Alberta and the City of Edmonton Research Chair, Urban Traffic Safety, Edmonton, Alberta, Canada

*Meeting Room: SALON 2*

D2 Behavioral and Cognitive Functioning: At Risk Drivers

Mark Fillmore, Ph.D., Professor, Director of Experimental Programs, Department of Psychology, University of Kentucky, Lexington, Kentucky, USA

*Meeting Room: SALON 3*

D3 Balancing Mobility & Community Safe Neighborhoods

Troy Russ, AICP, Director of Planning and Building Safety, City of Louisville, Colorado, USA

*Meeting Room: SALON 4*

D4 Are We Moving Too Fast: Enforcement Strategies for Aggressive Driving & Road Rage

Chief John R. Batiste, Washington State Patrol, Olympia, Washington, USA

*Meeting Room: SALON 5*

1415 Break

1445 Keynote: Attitudes and Actions Towards Safer Communities: Traffic Injuries and Fatalities in the ER

Dr. Louis Hugo Francescutti, MD, PhD, MPH, FRCPC, FACPM, CCFP, FACP (Hon), ICD-D, University of Alberta, Edmonton, Alberta, Canada

1600 Closing Remarks

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