MOVED  FORWARD
CREATIVE  APPROACHES  TO
IMPROVING  URBAN  TRAFFIC  SAFETY
IN  OUR  COMMUNITIES
APRIL  17-21,  2011 | EDMONTON, ALBERTA, CANADA

PROGRAM

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WEDNESDAY, APRIL 20
MORNING
0730 Refreshments
0830 Welcome & Introductions from International Conference on Urban Traffic Safety Committee & Guests
0845 Keynote: What Gives Research Its Value?
Ezra Hauer, Ph.D., P.Eng., University of Toronto, Ontario, Canada
1000 Break
1030 Concurrent Sessions
1E Implementation of New Determining Fitness to Drive Guidelines: Shared Expertise and Best Practice
Mitch Fuhr, Co-Chair, Driver Fitness Overview Group, Canadian Council of Motor Transport Administrators (CCMTA), Edmonton, Alberta and David Dunne, British Columbia Automobile Association Traffic Safety Foundation, Vancouver, BC, Canada
Meeting Room: Rowand
2E Reducing Collisions By Reducing Violations: An Automated Enforcement Case Study
Captains Glenn Nason, Automated Enforcement Division, Howard County Police, MD, USA
Meeting Room: Winterlake
3E Sustainable Road Safety Partnership: 20 Years in the Making
John Pumph, Manager, Road Improvement Program, ICBC, Vancouver, BC, Canada
Meeting Room: Vintage
4E Challenges for Best Practice in Drink Driving Management
Mary Sheehan, Ph.D., Queensland University of Technology, Brisbane, Australia
Meeting Room: Northcote

AFTERNOON
1145 Lunch
1300 Concurrent Sessions—Innovative Programs: Sharing Expertise & Best Practices Presentations
1F Engineering
Meeting Room: Vintage
Analyzing the Effectiveness of Dynamic Speed Display Signs (DSDS) at Transition Zones
Tony Qin, Dr. Assistant Professor, University of Alberta, Transportation Engineering, Department of Civil and Environmental Engineering, Edmonton, Alberta, Canada
2F Law Enforcement
Meeting Room: Winterlake
Partnership in Advancing Traffic Safety on Medically At-Risk Drivers
Bonnie Dobbs, Ph.D., Director, Medically At-Risk Driver Centre and Professor, Department of Family Medicine, University of Alberta, Edmonton, Alberta, Canada
Data-Driven Approaches to Crime and Traffic Safety (DDACTS)
Earl Hardy, Highway Safety Specialist, National Highway Traffic Safety Administration (NHTSA), Washington, DC, USA
3F Marketing & Media
Meeting Room: Rowand
MOST of Us® in Edmonton Support Automated Enforcement: Applying the Positive Community Norms Model to Traffic Safety
Jeffrey Linkenbach, Ed.D., Center for the Study of Health and Safety Culture Montana State University and Jay Otto, M.S. Center for the Study of Health and Safety Culture Montana State University, Montana, USA
4F Engineering
Meeting Room: Northcote
The Interactive Highway Safety Design Model (IHSDM): Software to Support Performance-Based Road Design
Richard Porter, Ph.D., P.E. University of Utah's Civil and Environmental Engineering Department, Salt Lake City, UT, USA
Before/After Analysis for the Treatment at Yellowhead / Victoria Trail Ramp
Tarek Sayed, Ph.D. Professor and, Distinguished University Scholar, Civil Engineering, University of British Columbia, Vancouver, BC, Canada
1415 Break
1445 Closing Keynote: Moving Forward: Changing Perceptions in Changing Times
Terry O’Reilly, Writer/Director CBC Radio Host Pirate Radio, Toronto, Ontario, Canada
1600 Closing Ceremony
CONFERENCE PROGRAM

All presentations are held on the 2nd Floor —Main Ballroom, unless indicated otherwise.

MONDAY, APRIL 18

0700 Registration | Refreshments

0800 Opening Ceremony
Welcome & Introductions from International Conference on Urban Traffic Safety Committee & Guests

0830 Keynote: Innovative Enforcement in the 21st Century
Lowell Porter, Director and Governor’s Representative, Washington Traffic Safety Commission and GHSA Vice Chairman, Olympia, WA, USA

1015 Break

1030 Concurrent Sessions

1A Safety of Vulnerable Road Users
Ron Van Houten, Ph.D., Vice President & Research Director, Center for Education and Research in Safety, Kalama, WA, USA
Meeting Room: Winterlake

1B Target Zero: A Strategy that Works
Lowell Porter, Director and Governor’s Representative, Washington Traffic Safety Commission and GHSA Vice Chairman, Olympia, WA, USA
Meeting Room: Winterlake

1C An Assessment: Hot Corridors, Deterrence, and Guardianship
John P. Crank, Ph.D., Professor, Department of Criminal Justice, University of Nebraska, Omaha, USA
Meeting Room: Northcote

1D CPTED, Collision Prevention through Environmental Design
Bill Grodzinski, Chief Superintendent, Commander – Highway Safety Division, Ontario Provincial Police, Canada
Meeting Room: Northcote

1600 Closing Remarks

TUESDAY, APRIL 19

0730 Refreshments

0830 Welcome & Introductions from International Conference on Urban Traffic Safety Committee & Guests

0845 Keynote: Medically At Risk Drivers: An Integrated Approach
Bonnie Dobbs, Ph.D., Director, Medically At-Risk Driver Centre and Professor, Department of Family Medicine, University of Alberta, Edmonton, Alberta, Canada

1000 Break

1030 Concurrent Sessions

1C Driver Fitness Assessment Strategies
Mitch Fuhr, Executive Director, Driver Programs Branch, Transportation Safety Services Division, Alberta Transportation, and Co-Chair, Driver Fitness Overview Group, Canadian Council of Motor Transport Administrators (CCMTA), Edmonton, Alberta, Canada
Meeting Room: Northcote

2C Effectiveness of Traffic Enforcement on Reducing Impaired Driving
James C. Fell, MS, Human Factors Engineering, Senior Program Director, Alcohol, Policy, and Safety Research Center, Calverton, Maryland, USA
Meeting Room: Winterlake

2D CPTED, Collision Prevention through Environmental Design
Bill Grodzinski, Chief Superintendent, Commander – Highway Safety Division, Ontario Provincial Police, Canada
Meeting Room: Northcote

3C Evaluation of Traffic Safety in Snow and Urban Growth
John M. Bigham, MPH, Safe Transportation Research & Education Center, University of California Berkeley, CA, USA
Meeting Room: Rowand

4C Road Design, Speed, and Safety on Urban and Suburban Roads:
Why do We Get What We Get and How Can We Get What We Want?
Richard Porter, Ph.D., P.E. University of Utah's Civil and Environmental Engineering Department, Salt Lake City, UT, USA
Meeting Room: Vintage

1145 Lunch

1300 Concurrent Sessions

1B Target Zero: A Strategy that Works
Lowell Porter, Director and Governor’s Representative, Washington Traffic Safety Commission and GHSA Vice Chairman, Olympia, WA, USA
Meeting Room: Winterlake

2B Intelligent Transport Systems: Speed Management Through Vehicle Measures
Oliver Carsten, Ph.D., Institute for Transport Studies, University of Leeds, UK
Meeting Room: Northcote

3B Left Turn Safety Index Based on Driver Risk-taking Behavior
David Neyoe, Ph.D., Associate Professor, University of Wisconsin Madison, USA
Meeting Room: Vintage

4B Medically At-Risk and Medically Impaired Drivers: A Canadian Perspective
Paul Boase, Chief, Road Users, Road Safety & Motor Vehicle Regulation, Transport Canada, Ottawa, ON, Canada
Meeting Room: Winterlake

1415 Break

1445 Keynote: Translating Research into Practice from a Road Safety Perspective
Shalom Hakkert, Ph.D., Director, The Medically At-Risk Driver Centre, University of Alberta
Meeting Room: Northcote

1600 Closing Remarks

CONFERENCE WORKSHOPS

All presentations are held on the 2nd Floor —Main Ballroom, unless indicated otherwise.

TUESDAY, APRIL 19

1300—1615

WORKSHOPS

PARTNERS

PRE-CONFERENCE WORKSHOPS | SUNDAY, APRIL 17

0800-1145

POST-CONFERENCE WORKSHOPS | THURSDAY, APRIL 21

0800-1145

COMMUNITY FORUM

TUESDAY, APRIL 19

1800—2130

1800 Registration & Community Traffic Safety Showcase

1830 Welcome & Introductions

Presentation:

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

MENTALLY IMPAIRED—Bonnie Dobbs, Ph.D. Director, The Medically At-Risk Driver Centre, University of Alberta

SPEED MANAGEMENT—Oliver Carsten, Ph.D., Institute for Transport Studies, University of Leeds, UK

SPEED REDUCTION PILOT—Karim El-Basyouny, Ph.D., Traffic Safety Analyst, City of Edmonton Traffic Safety, City of Edmonton

2130 Closing Remarks & Community Traffic Safety Showcase & Refreshments

CRISP CAPITOL REGION INDUSTRY SAFETY PARTNERSHIP

MARD Medically At-Risk Driver Centre

Edmonton Public Service Partnership

Edmonton Police Services

Edmonton Fire Services

Edmonton’s Office of Traffic Safety

2016 Edmonton Community Safety Summit
On behalf of City Council and the people of Edmonton, Alberta’s Capital City, it’s my pleasure to extend a warm welcome to all the delegates attending the 3rd Annual Traffic Safety Conference. This year’s theme “Moving forward: creative approaches to improving Urban Traffic Safety in our communities” is sure to inspire novel ideas and innovative approaches to address the 21st century needs and challenges of urban traffic safety in our communities. Like many cities, Edmonton is faced with increased traffic and corresponding challenges in law enforcement and public education. Conferences like this provide an exceptional learning opportunity and chance for representatives from around the world to work together and effect change. Together we can put forward new initiatives to make our streets safer for everyone. For those visiting Edmonton, I hope you have the opportunity to see some of our cities many highlights. From a stroll through the magnificent North Saskatchewan River Valley to world-class shopping and fine dining, there’s a lot for you to see and do in Alberta’s Capital City. Best wishes for a successful conference and a pleasant stay in Edmonton!

Yours truly, Stephen Mandel Mayor

On behalf of the Edmonton Police Commission, welcome to Edmonton’s 3rd International Conference on Urban Traffic Safety. This year’s theme, Moving Forward: Creative approaches to improving urban traffic safety in our communities, captures our collective vision of finding new, innovative ways to improve traffic safety. Traditionally, there has been a strong emphasis on using enforcement to modify driver behaviour. In order to make long-term, sustainable improvements to traffic safety we must engage the whole community. The Edmonton Police Commission strongly supports the use of evidence-based research, engineering improvements, and finding innovative ways to educate the public, in addition to enforcement. We are proud to announce that within the City of Edmonton we experienced a 14 per cent reduction in fatal collisions and an 18 per cent reduction in injury collisions in 2010. This was accomplished through the collaborative efforts of our partners in traffic safety – all of which are represented at this conference. The International Conference on Urban Traffic Safety offers attendees an opportunity to engage in meaningful discussions with experts from around the world and explore creative solutions to traffic safety.

Arlene Yakeley, Chair, Edmonton Police Commission

Like most municipalities, Edmonton continues to explore a multitude of options for improving traffic safety. No program can be entirely successful, however, if it doesn’t have the support and engagement of members of the community. As we move forward and look for new and creative ways to manage the many issues surrounding traffic safety, The City of Edmonton’s Transportation Department will continue to look to gatherings like the International Conference on Urban Traffic Safety to facilitate discussions, generate ideas and draw members of the community together to explore options for ultimately improving life for our citizens.

Bob Boutilier, General Manager, Transportation, City of Edmonton

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Medically impaired drivers represent an important, but often overlooked segment of the driving population contributing to injury and fatality rates in jurisdictions worldwide. With the aging of the baby boomers, and with people driving longer in their lifetime, the risk of medically at-risk drivers on our roadways increases. In addition, many of the chronic diseases traditionally associated with age are becoming health risks in younger populations. As the number of medically impaired drivers increases and illnesses impact drivers at increasingly younger ages, proactive planning for the safety and support for these drivers and their families will become increasingly critical. The University of Alberta’s Medically At-Risk Driver Centre (MARD Centre) is pleased to partner with members of the traffic safety community, health care professionals, and other stakeholders in seeking solutions to the growing problem of medically impaired drivers on our roadways. This conference provides an opportunity to share the latest research findings and collaborate in new and exciting ways in an effort to increase traffic safety internationally. Together, we can move forward and find creative approaches to improving urban traffic safety in our communities.

Welcome to Edmonton. Enjoy your visit.

Dawn Green, Chair, Capital Region Intersection Safety Partnership (CRISP)