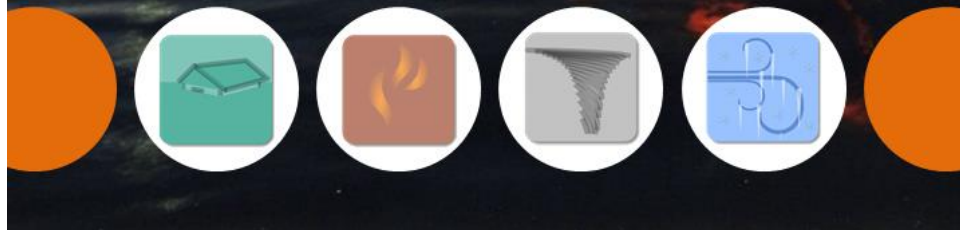




CRHNet 11th Annual Symposium

October 20 – 24, 2014
Toronto, Ontario



| Time | Tuesday October 21, 2014 | | | |
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| | 5th Annual Roundtable on Canada's Platform for Disaster Risk Reduction | | | |
| | Wednesday 22 October, 2014 | | | |
| 7:30 | Registration | | | |
| 8:00-9:00 | Delegate Breakfast | | | |
| 9:00-9:10 | Welcome: David Etkin/Edward Unger, Co-Chair CRHNet 11 th Symposium | | | |
| 9:10-9:20 | Opening Remarks: Ted Wieclawek, Fire Marshal of Ontario and Chief of Emergency Management | | | |
| 9:20-10:15 | 1st Plenary Session A Critical Overview of Disaster Theory Professor David Alexander, University College London Location: Churchill Room | | | |
| 10:15-10:45 | Networking Break | | | |
| | Concurrent Sessions | | | |
| | Theme 1: Hazard & Risk Modelling and Assessment Location: Churchill Room | Theme 2: Resilience Location: Wren Room | Theme 3: Preparedness and Response Location: Stevenson Room | Theme 4: Special Topics Location: Baker Room |
| 10:45-12:15 | <u>Damage estimation and Forecasting</u> Chair: Bert Struik Sara Harrison, Amber Silver and Brent Doberstein , Post-Storm Damage Survey of Tornadic Events in Canada: Implications for Disaster Risk Reduction and Policy Khandakar Hasan Mahmud and C Emdad Haque , Application of HAZUS model in estimating potential loss and risk, and enhancing community resilience to flooding: The case of St. | <u>From Vulnerability to Resilience</u> Chair: Lilia Yumagulova Simona Verga and Paul Chouinard Building resilient communities – how to pull the pieces together and what critical gaps remain S. Atyia Martin A Framework to understand social vulnerability: Reducing risk through resilience Franklin McDonald Resilience in the Post 2015 (or Post | <u>Panel Discussion</u> Chair: Brian Schwartz Brian Schwartz, Carolyn Bennett, Calli Citron and Caitriona O'Sullivan Preparing for and Responding to Emerging Infectious Respiratory Diseases in Ontario | <u>Managing Technological Risks</u> Chair: Ron Kuban Adam Miller , Radiation health response plan Nicki Albus , Pipeline explosion: How rural emergency management can benefit from big industry response Ali Asgary , An Agent-based dynamic risk modelling: Case of crude oil transportation by rail in urban areas |

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| | Andrews in Manitoba, Canada Farshid Sabouri, Michael Herall and Laurian Farrell , Don River flood forecasting using artificial neural networks | HFA) RISK Agenda | | |
| 12:15-1:30 | Delegate Lunch - Location: Churchill Room Exhibit and Poster Viewing | | | |
| | Concurrent Sessions | | | |
| | Theme 1: Hazard & Risk Modelling and Assessment Location: Churchill Room | Theme 2: Resilience Location: Wren Room | Theme 3: Preparedness and Response Location: Stevenson Room | Theme 4: Special Topics Location: Baker Room |
| 1:30-3:00 | <i>Risk Assessment</i> Chair: Bert Struik Heather McGath, Emmanuel Stefanakis and Miroslav Nastev, Sensitivity analysis of HAZUS Canada Flood Model: Case study from Fredericton, New Brunswick Nicky Hastings and Robert White , A seismic risk assessment for Canada: What does it look like? How can this knowledge be used to guide a discussion to make Canada more disaster resilient? Mark Baker, Samuel Kaharabata and Ann Wyganowski , Risk assessment models and their relationship with the various risk based disciplines | <i>Urban Resilience: International Perspectives</i> Chair: Niru Nirupama Stephanie E. Chang, Jackie Z.K. Yip, Rebecca Chaster and Ashley Lowcock , Using vulnerability indicators to develop resilience networks: a similarity approach Lilia Yumagulova , Towards regional resilience: A case study of Metro Vancouver, Canada Mohammad Reza Farzad Behtash et al. Evaluation of Tabriz resilience state | <i>Enhancing Emergency Exercises</i> Chair: David Alexander Laurie Pearce, Laurie Hearty, Adam Vaughan and Paulina Moreno, Exercise Target Red: Establishing protocols to encompass psychosocial considerations for casualties and families in mass-casualty Incidents (MCI) involved an active shooter Alison Kingelin and Ali Asgary , Assessing the learning outcome of an emergency evacuation table top exercise Laurie Pearce, Laurie Hearty, Adam Vaughan and Paulina Moreno , Exercise Outbreak Orange: Identifying psychosocial considerations in an emergency operations centre when responding to a pandemic | Aboriginal Resilience 1 Traditional Opening: Elder Jimmy Dick Chair: David Diabo Anne Garland , Historical ecology for risk management: Youth sustainability |
| 3:00-3:30 | Networking Break | | | |
| | Concurrent Sessions | | | |
| | Theme 1: Hazard & Risk Location: Churchill Room | Theme 2: Resilience Location: Wren Room | Theme 3: Preparedness and Response Location: Stevenson Room | Theme 4: Special Topics Location: Baker Room |
| | <i>Misconceptions, Resiliency thinking,</i> | <i>Community Resilience</i> | <i>Leadership and Coordination</i> | <i>Workshop</i> |

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| 3:30 – 5:00 | <p><u>and Vulnerable Groups</u> Chair: Franklin McDonald Patricia Martel, Common misconceptions and public beliefs: Stormchasing Stephanie Sodero Bouncing back even better: Resilience thinking and Hurricane Igor Mahtab Khayeri and Niru Nirupama, Are women and children more vulnerable to natural disasters: The case of Chicago heat wave of 1995?</p> | <p>Chair: Juan Pablo Sarminto Valérie Céré, Building Resilience in a Non-Cohesive Community Lilia Yumagulova, Resilient institutions=vulnerable people? A longitudinal case study of flood management institutions in Nizhegorodka, Russia. Emdad Haque, Mohammed Uddin, Ohidur Zaman and Mahed Choudhury, Community resilience to disasters and public health: Understanding the role of social capital from evidence in coastal Bangladesh</p> | <p>Chair: Edward Unger Kenneth McBey and Andrew Moull, Integration and inter-agency coordination of civilian and military resources during disasters Hans De Smet, Bert Schreurs and Jan Leysen, Decision making in a disaster management organization: A leadership approach Murtaza Khan, Dynamics of inter-organizational Coordination in the Haiti Disaster: A Special Reference to Information Sharing and Decision Making</p> | <p>David Etkin Proposed Code of Ethics for Emergency Managers and EM Organizations</p> |
| 5:00-7:00 | <p style="text-align: center;">Delegate Meet & Greet Student Mentoring Session Student mentoring session is intended to provide an informal opportunity for students and young professionals to network with emergency management professionals. Professionals from all backgrounds in emergency management are welcome to attend to share their advice.</p> | | | |
| Thursday 23 October, 2014 | | | | |
| 8:00-9:00 | Delegate Networking Breakfast | | | |
| 9:00-10:00 | <p style="text-align: center;">2nd Plenary Session What Emergency Management Practitioners Need from Academics Ted Wieclawek, Fire Marshal of Ontario and Chief of Emergency Management Location: Churchill Room</p> | | | |
| 10:00-10:30 | Networking Break | | | |
| Concurrent Sessions | | | | |
| | <p>Theme 1: Hazard & Risk Modelling and Assessment Location: Churchill Room</p> | <p>Theme 2: Resilience Location: Wren Room</p> | <p>Theme 3: Preparedness and Response Location: Stevenson Room</p> | <p>Theme 4: Special Topics Location: Baker Room</p> |
| | <p><u>Risk Reduction: Land Use</u> Chair: Ron Kuban L.C. Struik and L.L. Pearce, Land-use risk reduction: Achieving acceptable risk from hazards</p> | <p><u>Aboriginal Resilience 2</u> Chair: Brenda Murphy David Diabo, Adaptability = Resilience = Sustainability: Examining the notion of Indigenous DM/EM and</p> | <p><u>Communication and Situational Awareness</u> Chair: James Kilgour Frank Monozlai, Amateur radio in Canada: Evolving prospects for</p> | <p><u>Social Media</u> Chair: Ken McBey Amber Silver and Lindsay Matthews, The use of Facebook as a response and recovery tool following the 2011</p> |

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| 10:30 – 12:00 | <p>L.C. Struik and N. Hastings, Risk management scheme for land-use decision support</p> <p>Nai Ming Lee, Diana Ellis and Niru Nirupama, North Atlantic Oscillation and the variability of Atlantic tropical cyclones: Implications for disaster risk management</p> | <p>resilience</p> <p>Aaron Orkin, Community-based emergency care: A novel approach for the development and delivery of first response medical services in remote First Nations communities</p> <p>David Diabo, Amy Christianson, First Nations Wildfire Evacuation Partnership</p> | <p>emergency management and enhancing community resiliency</p> <p>Costas Armenakis and Julien Li-Chee Ming, Small unmanned aerial systems: Emerging tool for emergency response</p> <p>Nicki Albus and Natalie Hasell, Bringing StormReady® to Manitoba: A framework for Canadian expansion</p> | <p>Goderich, Ontario tornado</p> <p>Kate Kaminska, Bjorn Rutten and Matthew Godsoe, Leveraging social media and digital volunteers for disaster management</p> <p>Jishnu Subedi, Social Media in Emergency Management: Lessons for Application in overall Disaster Risk Reduction</p> |
| 12:15-1:30 | <p>Delegates Lunch - Location: Churchill Room</p> <p>CRHNet Annual General Meeting</p> <p>Exhibit Viewing & Poster Session</p> | | | |
| | Concurrent Sessions | | | |
| | <p>Theme 1: Hazard & Risk Modelling and Assessment</p> <p>Location: Churchill Room</p> | <p>Theme 2: Resilience</p> <p>Location: Wren Room</p> | <p>Theme 3: Preparedness and Response</p> <p>Location: Stevenson Room</p> | <p>Theme 4: Special Topics</p> <p>Location: Baker Room</p> |
| 1:30-3:00 | <p><u><i>Hazard and Risk Modelling</i></u></p> <p>Chair: David Alexander</p> <p>Greg Oulahen, Linda Mortsch, Kathy Tang and Deborah Harford, Unequal vulnerability to flood hazards: “Ground truthing” a social vulnerability index of five municipalities in Metro Vancouver, Canada</p> <p>Wendel Chan and Costas Armenakis, Optimal evacuation route determination using multicriteria decision analysis</p> <p>Ali Asgary and Richard Karsseboom, Modelling the Effectiveness of Tsunami Warning and Evacuation</p> | <p><u><i>Aboriginal Resilience 3</i></u></p> <p>Chair: Brenda Murphy</p> <p>Terry Swan, and TBA, Responding to the Needs of Indigenous Children in Humanitarian Context</p> <p>Ryan Maier, S. Michelle Driedger, Cindy Jardine and Chris Furgal, Examining the interplay of factors influencing H1N1 vaccination decision-making among Metis in Manitoba through a social ecological model framework</p> <p>Arnold Lazare, Kahnawake – A resilient community with lessons learned</p> | <p><u><i>Public Health Risks and Emergencies</i></u></p> <p>Chair: Harris Ali</p> <p>Kateryna Subbotina and Cheryl McNeil, Pandemics and emergency management perspectives: Understanding historical, environmental and first-responder implications</p> <p>Muhammad Syed and Nai Ming Lee, Challenges in polio eradication and constructs of a global health risk - A critical study</p> <p>Maciej Mikulsen and Alan Diduck, Towards an integrated approach to disaster management and food safety governance</p> | <p><u><i>Post disaster recovery and adaptation</i></u></p> <p>Chair: Mark Baker</p> <p>Brittany Blackstone and Nicki Poulin, Post-disaster organizational adaptation in a Foreign Service environment</p> <p>Dilnoor Panjwani, Relocation as a post-disaster recovery planning strategy</p> <p>Barlu Dumbuya and Niru Nirupama, Understanding community resilience using disaster models In post conflict Sierra Leone</p> |
| 3:00 | Networking Break | | | |

| Concurrent Sessions | | | | |
|--------------------------------|--|--|---|--|
| | Theme 1: Student Session | Theme 2: Resilience | Theme 3: Preparedness and Response | Theme 4: Special Topics |
| | Location: Churchill Room | Location: Wren Room | Location: Stevenson Room | Location: Baker Room |
| 3:30-5:00 | <p><u>Expert career panel</u></p> <p>Panelists: Mike O'Brien Laurie Pearce Ron Kuban Edward Unger</p> | <p><u>Aboriginal Resilience 4:</u> Chair: David Diabo Anita Walker, Climate change and extreme weather: Challenges and opportunities in Aboriginal and northern communities Brenda Murphy, Annette Chretien and David Diabo, Disaster resilience: Integrating scientific and medicine wheel approaches Valérie Céré, The Challenge of emergency management in aboriginal communities</p> | <p>The Changing role of higher education in emergency management Chair: Jack Lindsey Jean Slick, The development of disaster and emergency management as a field of study David Etkin, PhD Program in Disaster & Emergency Management Jean Slick, Signature pedagogies - Considerations for disaster and emergency management as a field of study</p> | <p><u>The Social and Political Dimensions of the Public Health Response to Ebola</u> Chair: Harris Ali Roger Keil Ellie Perkins Michaela Hynie Anna Zalik</p> |
| 18-22pm | Symposium Banquet | | | |
| Friday 24 October, 2014 | | | | |
| 8:00 | Delegate Networking Breakfast Location: Churchill Room | | | |
| 8:45 | 3rd Plenary Session International Perspectives on Disaster Management Juan Pablo Sarmiento, Florida International University The Forensic Revolution and Post-2015 Ian Burton Location: Churchill Room | | | |
| 10:00 | Networking Break | | | |
| Concurrent Sessions | | | | |
| | Theme 1: Special Topics | Theme 2: Resilience | Theme 3: Preparedness and Response | Theme 4: Special Topics |
| | Location: Churchill Room | Location: Wren Room | Location: Stevenson Room | Location: Baker Room |

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| 10:30-12:00 | <p><i>Adaptation, Insurance, Knowledge</i> Chair: Lilia Yumagulova Elizabeth English, Amphibious Foundations: An Innovative Adaptive Flood Risk Reduction Strategy Aaron Meyer, Gregor Robinson and Lapo Calamai, Managing the Fiscal and Economic Costs of Natural Disasters through Insurance Jeremy Paulus and Nelson Switzer RISE - An international public-private partnership sponsored by the United Nations to develop disaster management tools, resources and knowledge</p> | <p><u>Aboriginal 5:</u> Chair: Brenda Murphy Jay Sagin, Raymond Dussion, Rebecca Zagozewski and Lalita Bharadwaj, Landfill: A risk hazard in Cumberland House Reserve and Village of Cumberland House Jenn McManus, and Melanie Goodchild Across different ways of knowing, how can knowledge be shared and used to increase disaster resilience? Discussant: David Diabo Traditional closing: Elder Jimmy Dick</p> | <p><u>Panel Discussion</u> Chair: Alain Normand <u>The Ice Storm 2013 Experience; Breaking Points and Challenges</u> Brian Schwartz Lisa Hood Shawn Cowley Jennifer Patchell Dave Etkin</p> | <p>The Canadian Tri-Services Emergency Management Committee & Responders' Risks Panel Discussion: Chair: Larry Pearce Panelists: Jane Wilcox: Co-chair representing Canadian Association of Chiefs of Police Bikram Chawla: Co-Chair representing Paramedic Chiefs of Canada</p> |
| 12:00 | <p>Lunch Location: Churchill Room</p> | | | |
| 12:30 | <p>Closing Remarks Location: Churchill Room</p> | | | |
| 1:30-5:00 | <p>Field Trip: Tour of the Don River Watershed Flood Risk Mitigation Works Lead by: Laurian Farrell, Senior Manager Flood Risk Management and Infrastructure, TRCA James Roche, Director Parks Design and Construction, Waterfront Toronto</p> | | | |

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