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**KINETICA RISK**



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Interdisciplinary School of Health  
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**Daveed Gartenstein-Ross,**  
Chief Executive Officer,  
**VALENS GLOBAL LLC, WASHINGTON**

**Matthew Pegg,**  
Fire Chief/General Manager,  
**TORONTO FIRE SERVICE**

**Robin Bourke,**  
Engineering Advisor, Flood Modelling,  
**NATURAL RESOURCES CANADA**

**Nouriddine Benichou,**  
Principal Research Officer,  
**NATIONAL RESEARCH COUNCIL**

**Lauren Walker,**  
Program Coordinator,  
**PUBLIC SAFETY CANADA**

**Karen Foss,**  
Director, Government Operations  
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**Robert Pitcher,** Cyber Engagements  
Manager, National and Cyber Security  
Branch, **PUBLIC SAFETY CANADA**

January 28-29, 2020 • Ottawa, Ontario

# Canadian BCP and Emergency Management

*Practical strategies for the decade ahead*

Information and guidance from some of the foremost experts in the country on how to:

- ✓ Know the elements of a modern BCP including analytics and automation
- ✓ Benefit from state-of-the-art information on managing floods, wildfires, cyber attacks, tornadoes, earthquakes and more
- ✓ Hear about lessons learned from the Fire Chief who handled the Yonge Street van attacks and the Danforth shooting
- ✓ Increase your resilience in response to current and future climate conditions
- ✓ Understand the role of the federal government in coordinating across different departments and levels of government
- ✓ Understand how the Regional Resilience Assessment guides you to improved resilience
- ✓ Understand the process used to prioritize critical services
- ✓ Assess the risk of terrorism in specific sectors and companies

## EVENT PARTNERS



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# Canadian **BCP and Emergency Management**

January 28-29, 2020 • Ottawa, Ontario

## DAY ONE PROGRAM AGENDA: TUESDAY, JANUARY 28, 2020

8:00 – 9:00 Registration and Continental Breakfast

9:00 – 9:15

**Welcome and Opening Remarks from the Chair**

9:15 – 10:00

**Mass Shooting on Toronto's Danforth: Lessons Learned**

*Matthew Pegg, Fire Chief/General Manager, Toronto Fire Service*

- The shooting attack on the Danforth rocked Toronto to its core
- Response and recovery efforts before, during and after the attack
- Lessons learned

10:00 – 11:00

**Ottawa/Gatineau Spring Flooding 2017 and 2019 - Lessons Learned - Past, Present and Future**

*Robin Bourke, Engineering Advisor, Flood Modelling, Natural Resources Canada*

- How did approach change between 2017 and 2019
- What's improved?
- What is the government working on?
- What is going on at Conservation Ontario
- Lessons learned
- Can flooding be managed?

11:00 – 11:15

Networking Break



11:15 – 12:00

**Climate Change Resiliency and the Impact on Emergency Response and Management**

*Martha Robinson, Program Development Officer, Ottawa Public Health*

- Increasing the capacity to survive, adapt and grow in response to current and future climate conditions
- Impact of climate change and increased pressure on public health and emergency response
- Current climate adaptation initiatives
- Using a climate lens in planning and project design
- Provincial and federal drivers and opportunities
- Asset management regulations and guidelines for environmental assessment
- Building Code adaptations
- The Pan-Canadian Framework

12:00 – 1:00

Luncheon Break

1:00 – 1:45

**Protecting Critical Infrastructure From Insider Threats**

*Robert Pitcher, Cyber Engagements Manager, National and Cyber Security Branch, Public Safety Canada*

- Enhancing Canada's infrastructure resilience
- How to monitor, respond to and mitigate insider risk
- Defending against human and technical vulnerabilities include those related to partners, services providers and associates
- Internationally accepted security standards

1:45 – 2:30

**Multi-Level Response: Strategic Coordination Across Different Departments and Levels of Government : Role of the Federal Government**

*Karen Foss, Director, Government Operations Centre, Public Safety Canada*

- What are you responsible for during events involving more than one government organization
- The Federal Emergency Response Plan and the National Emergency Response System
- Coordination between levels of government in preparation for, response to and initial recovery from an event
- Learn from case studies on events that required multi-level response

2:30 – 2:45

Networking Break



2:45 – 3:30

**The Regional Resilience Assessment Program (RRAP): Measuring and Improving the Resilience of Critical Infrastructure**

*Lauren Walker, Program Coordinator, Public Safety Canada*

- Assessing vulnerability and dependency for owners and operators of critical infrastructure
- How you can improve risk management, strengthen government relationships, and improve cyber security awareness
- Site assessments to measure and improve resilience to cyber threats, accidental or intentional man-made events, and natural catastrophes

3:30 – 4:15

**Gaining Control of Wildfires - The Hunt for Best Practices and Lessons Learned**

*Nouriddine Benichou, Principal Research Officer, National Research Council*

Fire seasons are longer, fire events are increasingly complex and severe. Experts say the area of annual burn will double by the end of the century. This session will discuss:

- The need to prepare for a future of bigger, more intense and more complex wildland fires
- Development of a national guide
- Applying analytics to forest fire management
- Fire resistance modelling and experimentation
- The need for a comprehensive framework for assessing risk
- The need for home grown solutions
- What about a national system mapping vegetation and spatial data on fuels in relation to towns and infrastructure
- What new tools do we need?

4:15 – 5:00

**Resilient Buildings and Infrastructure – Lessons Learned From Earthquakes and the Way Forward**

*Jack Guo (PEng, PhD) – Seismic Risk Lead, Kinetica Risk*

- The “what”, “when”, “where” and “why” of earthquake preparedness
- Making the business case for earthquake resilience in the Canadian context
- NCR experience / Vancouver experience (Eastern and Western Canada)
- Changes we need moving forward to achieve a resilient built environment
- Embracing a unified resilience framework for earthquakes and climate-related hazards

# Canadian **BCP and Emergency Management**

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## DAY TWO PROGRAM AGENDA: WEDNESDAY, JANUARY 29, 2020

8:00 – 9:00 Registration and Continental Breakfast

9:00 – 9:15

**Welcome and Opening Remarks from the Chair**

9:15 – 10:00

### **BCP CASE STUDY: Prioritizing Critical Services in a Large Complex Organization**

*Cynthia (Cindy) Kearns-O'Hara, President, CKOH CONSULTING INC.*

- Establishing a prioritized list of critical services
- Is everything a critical service?
- Determining criteria for criticality based on time
- The challenge of reconciling the subjectivity of multiple parties where everyone thinks they're critical
- How science can complement business continuity: role of the scientist in the process
- Interdependencies: The importance of critical service owners communicating and understanding how they depend on one another
- How the DND model can be adapted for your organization

10:00 – 10:45

### **Update on Terrorism**

*Daveed Gartenstein-Ross, Chief Executive Officer, Valens Global LLC, Washington*

- What can we expect in 2020 and beyond?
- Challenges posed by violent non-state actors
- Al-Qaeda, ISIS and affiliated organizations
- Risk assessments in specific sectors and companies
- Analysis of terrorist networks

10:45 – 11:00

Networking Break



11:00 – 12:00

### **Building Capacity for Individual and Community Resilience**

*Tracey O'Sullivan, Associate Professor Interdisciplinary School of Health Sciences, Faculty of Health Sciences, University of Ottawa*

- Whole-of-society approach to disaster risk reduction
- Resilience and implementation of the Sendai Framework
- Engaging organizations in continuity planning to protect livelihoods and support community resilience
- How systems thinking can support capacity building and enhance resilience among individuals, organizations and the broader community

12:00 – 1:00

Luncheon Break

1:00 – 1:45

### **Advances in Crisis Communication Since the 2014 Parliamentary Attack: What We Know Now**

*Anat Cohn, Manager, Corporate Communications Ottawa Police Service*

- Crisis informatics: then vs. now
- Social media today
- Combating the challenges
- Messaging: what we've learned
- Opportunities ahead

1:45 – 2:30

### **The Modern Business Continuity Plan - Analytics and Automation**

*Martin Gierczak, Manager, Business Continuity Planning, CAA Club Group*

- Business continuity analytics and digital plans
- How to drive resilience based projects in your organization with the data
- Business disruption management tools including plan automation
- The relationship between BCM and Crisis Management

2:30 – 2:45

Networking Break



2:45 – 3:45

### **Working Under Unified Command - Case Study of Eastern Region Floods**

CASE STUDY

3:45 – 4:30

### **Who's Doing What With Big Data and Emergency Management**

- How is big data being used to improve Emergency Operations Centre Management
- Using data from fire and paramedic services across emergency service

4:30

End of Conference

### **SPONSORSHIP AND EXHIBITION OPPORTUNITIES**

Increase your visibility with senior business strategy, technology, analytics, and business intelligence professionals at *Canadian BCP and Emergency Management*. A limited number of sponsorship options are available.

For more information or to check availability, contact our sponsorship department by telephone at 416.507.4202, or by email at [sponsorship@infonex.ca](mailto:sponsorship@infonex.ca).

# Canadian **BCP and Emergency Management**

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#### LOCATION:

Canadian BCP and Emergency Management will be held at a convenient location in Ottawa, Ontario. Detailed venue information will be forthcoming as it becomes available.

#### YOUR REGISTRATION INCLUDES:

Registration fees include all course materials, continental breakfast, lunch, and refreshments. **Parking and accommodation are not included.**

#### SPONSORSHIP, EXHIBITION, AND PROMOTIONAL OPPORTUNITIES:

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