CIFAL York - Drones for Public Health, Safety, Risk, Humanitarian and Emergency Management Speaker Series

Population

Date limite: 15 oct 2024

Type:	Public Lecture
Emplacement:	Web-based
Date:	17 oct 2024 to 20 Mar 2025
Durée:	6 Days
Zone du programme:	Decentralize Cooperation Programme
Site internet:	https://www.yorku.ca/cifal/dronecourse/
Prix:	0.00 $US
Personne de référence de l'évenement:	cifaldirector@yorku.ca
Partenariat:	CIFAL York, Advanced Disaster and Emergency

Rapid Response (ADERSIM) Lab, Centre for Innovation and Research in Unmanned Systems (CIRUS), Southern Alberta Institute of Technology (SAIT)

ARRIÈRE PLAN

The use of drones and remotely piloted aircraft systems (RPAS) has revolutionized numerous sectors, offering unparalleled advantages in mapping,

monitoring, efficiency, safety, and accessibility. In the realms of public health and safety, Risk and emergency management, and humanitarian response, these technologies have become invaluable tools that enhance our capabilities to save lives, respond to crises, and improve public well-being. While the drones have greatly improved the capacities and capabilities of these sectors, the adoption of these technologies by industries and the public sector has been limited. This speaker series aims to increase the visibility of these technologies and enhance participants' knowledge to promote best practices and innovation while building capacity and fostering collaboration to maximize the positive impact of drones in public health, Public Safety, Emergency Management and Humanitarian Response.

A microcredit certificate will be issued to all participants from CIFAL York upon completion of the course.

OBJECTIFS DE L'ÉVÉNEMENT

- The main learning objectives of this speaker series are:

- Gain knowledge about the role of drones and RPAS in Public Health/ Risk and Emergency Management/ Public Safety/ Humanitarian Response.

- Increase awareness among First Nations communities about the benefits and applications of drones and RPAS in Public Health/ Risk and Emergency Management/ Public Safety/ Humanitarian Response.

- Provide insights on how to effectively use drones for mapping, monitoring, and responding to emergencies in First Nations communities.

- Understand different types of drones and their use and users needs in Public Health/ Risk and Emergency Management/ Public Safety/ Humanitarian Response.

- Appreciate legal and ethical aspects of drones use in Public Health/ Risk and Emergency Management/ Public Safety/ Humanitarian Response.

- Promote best practices for using drones in Public Health/ Risk and Emergency Management/ Public Safety/ Humanitarian Response.

- Understand and assess major challenges and requirements for using drones in Disaster Risk/ Emergency Management/ Public Safety/ Humanitarian Response.

- Learn how to use drone generated data for rapid and effective Public Health/ Risk and Emergency Management/ Public Safety/ Humanitarian Response analysis, operations, and assessments.

- Foster collaboration between speakers and participants in the fields of Public Health/ Risk and Emergency Management/ Public Safety/ Humanitarian Response.

- Provide participants with insights on how to integrate drone technology into their operations.

- Create a platform to inspire innovative uses for drone and RPAS technologies in the fields of Public Health/ Risk and Emergency Management/ Public Safety/ Humanitarian Response

CONTENU ET STRUCTURE

Session 1:

Remotely Piloted Aircraft Systems (RPAS) Laws and Regulations for Disaster Management

Session 2:

Connecting Frog Lake First Nation: Innovative Applications of Drone Technology

Session 3:

Drone Support to Emergency Management on the Stoney Nakoda Nation

Session 4:

TBD

Session 5:

TBD

Session 6:

TBD

MÉTHODOLOGIE

Experts in the field present case studies from their work on their chosen topic. The presentations are followed by a moderated Q&A session to discuss what has been presented with those in attendance.

AUDIENCE VISÉE

- Public Health Departments

- Emergency Management Agencies

- Law Enforcement and Public Safety Professionals

- Aviation Regulatory Authorities

- Healthcare and Medical Professionals

- Medical Supply Companies

- Health & Safety Professionals

- International Organizations (WHO, UNICEF, etc.)

- Search and Rescue Professionals

- Humanitarian NGOs and NGOs in related sectors

- Public Policy Researchers and Professionals

- Professors and Students in related fields

- Drone Pilots and Professionals

- First Response Organizations

- Fire Departments