

TRANSFORMATIVE DISASTER RISK GOVERNANCE

Monthly Newsletter



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Welcome message

Welcome to the September issue of the Transformative Disaster Risk Governance Newsletter. The DRG newsletter will be published monthly to reflect the activities conducted by the disaster risk governance team consisting of faculty members, post-doctoral researchers and graduate students.

DRG highlights

[Humanitarian Water Engineering Intensive Course](#)

The Dahdaleh Institute for Global Health Research in partnership with Lassonde School of Engineering and Advanced Disaster, Emergency and Rapid Response Simulation offer an intensive course from September 20 to December 3, 2021. In this course participants are given the opportunity to gain practical knowledge of the design, construction, and operation of water supply systems in emergencies. More information can be found [here](#).

[Lassonde School of Engineering team use AI to evaluate and improve water safety in refugee camps](#)

The research led by Professor **Usman Khan** uses ensembles of artificial neural networks (ANNs) to probabilistically forecast the point-of-consumption free residual chlorine (FRC) concentration and to develop point-of-distribution FRC targets based on the risk of insufficient FRC at the point-of consumption.



[CIFAL York hosts webinar on social development and homelessness](#)

York University's CIFAL Centre has launched the first session in a webinar series presented in partnership with CIFAL Durban and the United Nations Institute for Training and Research (UNITAR) on the topic of social development and homelessness on a global level.



Emergency calls during pandemic drop significantly, York research shows

York University professors **Adriano O. Solis** and **Ali Asgary** (from left to right) of the School of Administrative Studies (SAS) in the Faculty of Liberal Arts & Professional Studies, in partnership with the Vaughan Fire and Rescue Service (VFRS) and along with co-researchers Janithra Wimaladasa, Maryam Shafiei Sabet and Michael Ing, have reported the findings in the International Journal of Emergency Services.



Graph modelling study led by Lassonde student named best student paper finalist

A Lassonde student's paper was selected from more than 3,600 papers as a "best student paper finalist" at a major international conference hosted by the Institute of Electrical and Electronic Engineers (IEEE). The research outlined in the paper by **Saghar Bagheri**, conducted in the research group of **Gene Cheung**, has the potential to offer improved modelling of data obtained from wireless sensors placed in geographically remote areas, such as forests, which could then be used to anticipate forest fires.



School of Administrative Studies' team conduct a research on Spontaneous Volunteer Coordination Challenges and Risks

The study examines spontaneous volunteer coordination challenges, opportunities, and risks during emergencies and disasters derived from a survey of emergency managers in Ontario, Canada. According to the research conducted by LA&PS professor **Ali Asgary**'s research team, the lack of training, health and safety, liability, and motivation and expectations are considered as the top challenges and issues in utilizing spontaneous volunteers.

What is next?

The DRG webinar series will resume in **October**. For more information and to see our events please visit our [website](#).

Newsletter signup

To subscribe to our newsletter click [here](#).

If you would like to unsubscribe please send an email to **Mahnaz Alavinejad** at mahnazal@yorku.ca