



**CWRA ACRH**  
 Canadian Water Resources Association  
 Association Canadienne des Ressources Hydriques



## Flood Modelling and Mapping The Cornerstones of Flood Safety and Management in Ontario

March 5-6, 2019

The Bellagio, Vaughan, ON

### Agenda

<b>March 5, 2019</b>	
8:15 - 8:40	<i>Registration– Coffee and light snacks</i>
8:40-10:00	<b>Introduction/Welcome/Keynote Session</b> Moderated by Dwight Boyd
10	MNRF - Dave Burritt
10	CO – Jo-Anne Rzadki, Business Development and Partnerships
10	CWRA – Jeff Hirvonen, President of the Ontario Branch of CWRA
50	Keynote: Tamsin Lyle, ebbwater Consulting: An evolution in flood management: an optimistic view from the left coast
10:00-10:30	<i>Break - coffee</i>
10:30-12:00	<b>Updates and Policy</b> Moderated by Nancy Davy
30	Flood Mapping Activities and Web-Based Flood Risk Assessment (ER2), Heather McGrath & Tina Lindsay, NRCAN
30	Canadian Surface Prediction Archive (CaSPAR) of ECCC Numerical Weather Predictions, Bryan Tolson, University of Waterloo
30	Working with Municipal Partners, Laurie Nelson, TRCA
12:00-1:00	<i>Lunch</i>
1:00-1:30	<b>Remote Presenter</b>
30	USACE Update, William Scharffenberg, USACE
1:30-2:30	<b>Evolving Technology</b> Moderated by Jeff Hirvonen
30	Introduction to Bathymetric LIDAR, Dushan Arumugam, Geomatic Data Solutions (GDS)
30	Large Scale Riverine Bathymetric LIDAR Collection and Application to Floodplain Mapping, Scott Robertson, GRCA
2:30-3:00	<i>Break - coffee and cookies</i>
3:00-4:30	<b>Risk Assessment</b> Moderated by Jo-Anne Rzadki
30	Communicating Flood Risk - The Data Management Considerations, George Sousa, GRCA
30	Information needs and formats Provincial Emergency Operations Centre, John Galea, Emergency Management Ontario
30	Flood Risk Assessment and Ranking of flood vulnerable clusters, Nathan Plato, TRCA

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<b>March 6, 2019</b>	
8:00-8:30	<i>Registration– Coffee and light snacks</i>
8:30-9:00	<b>Remote Presenter</b>
30	Update on Floodplain Mapping and Flood Forecasting Program in Alberta, Bryce Haimila , Alberta Environment and Parks
9:00-10:00	<b>Modelling Enhancements</b> Moderated by Scott Robertson
30	Standalone Snow Accumulation and Melt Model System, Dave Eastcott, QRCA
30	Hydraulic Models, Extreme Events and Flow Monitoring, Stephanie Shifflett, GRCA
10:00-10:30	<i>Break - coffee</i>
10:30-12:00	<b>Floodplain Mapping Updates</b> Moderated by Amber Langmuir
30	CVC Floodplain Mapping Program Update, Jing Liu & John Sinnige, CVC
30	(Hydrology) Modelling the Idiosyncrasies of the Don River Watershed, Wilfred Ho, TRCA
30	Floodplain Mapping Update Process in UTRCA, Mark Shifflett, UTRCA
12:00-1:00	<i>Lunch</i>
1:00-2:30	<b>Application in Flood Forecasting and Warning</b> Moderated by Sameer Dhalla
30	The Development of Churchill River Flood Forecasting Service to Support Open Water, Ice Formation and Ice Breakup Flood Risks, Steven McArdle, 4DM & Ali Khan, Newfoundland
30	Forecasting Flood Innundatation - Real-Time Transfer of Forecast Flows from HEC-HMS into HEC-RAS, Nicolas Keast, Greenland/Grey-Sauble
30	Partnerships to Enhance Ottawa River Flood Forecasting: Response to Historic 2017 Flood, Raymond Co & Omar Kana'n, South Nation CA
2:30-2:45	<i>Break - coffee</i>
2:45-3:30	<b>Panel Discussion</b> Moderated by Jeff Hirvonen
	Panelists: Dwight Boyd (GRCA), Sameer Dhalla (TRCA), John Sinnige (CVC), Bill Scharfenberg (USACE), Scott Robertson (GRCA)
	The Future of Floodplain Mapping: Technology, the climate and ways that floodplain maps are used is changing. Expert panellists will provide their opinions on the history of floodplain mapping, the broad use of floodplain mapping and respond to audience questions and reflections on the potential future of floodplain mapping.
3:30	<b>Day 2 Closing Remarks - coffee and cookies afterwards</b>

***Tell us what you thought of this year's workshop!***

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