

**2019 CWRA Alberta Conference Program Outline (updated 10/04/2019)**

Time	Event	
<b>Sunday April 14, 2019</b>		
6:00 PM - 8:00 PM	Ice breaker and Exhibitor Displays Registration Open	
<b>Monday April 15, 2019</b>		
7:30 AM	Breakfast in main meeting room Registration Open	
8:30 AM	Conference welcome - Alberta CWRA President	
8:45 AM	Conference welcome - <b>City of Red Deer Councillor Dianne Wytjies</b>	
9:00 AM	<b>Conference Keynote #1</b> - Pablo Pina Academic Chair, Water Sustainability MacPhail School of Energy, SAIT Topic: <b>Igniting Talent Development in Water Management</b>	
10:00 AM	Coffee break	
	<b>Session 1A - Urban Water Management 1</b>	<b>Session 1B - Sustainable Agriculture 1</b>
10:30 AM	Integrating Waterbodies into Urban Developments	Agriculture's water future - a shared responsibility
11:00 AM	Continuous hydrological simulation of cold region urban wetlands	Characterizing Drain Water Quality within the Taber Irrigation District
11:30 AM	"Growing" Infrastructure: Using bioengineering for bank rehabilitation in an historically altered urban creek in Red Deer	"Big Plant, Big Pipe"
12:00 PM	Lunch	
	<b>Session 2A - Urban Water Management 2</b>	<b>Session 2B - Sustainable Agriculture 2</b>
1:30 PM	Flooding, climate change, and the need for a precautionary approach: a case study for Redwood Meadows, AB	Assessing Water Quality within Alberta's Irrigation Districts
2:00 PM	Improving Flood Resiliency in McDougal Flats	Addressing Increasing Aquatic Weed, Algae and Silt Loading in Irrigation Water
2:30 PM	Coffee break	
	<b>Session 3A - Data Collection and Networks</b>	<b>Session 3B - Flood Management</b>
3:15 PM	Application and performance of a "Low Power Wide Area Sensor Network" for distributed hydrological measurements in the Stony Mountain Headwater Catchment Observatory	Exploring Opportunities for Local Leadership in Flood Risk Management
3:45 PM	Calgary's Rainfall Measurement Experiences and a Call to Inter-Municipal Collaboration	
4:15 PM	AGM Setup	
4:30 PM	<b>CWRA Alberta Branch AGM</b>	
5:30 PM	Cocktails/Mixer	
6:00 PM	Dinner Start	
7:00 PM	<b>Movie Presentation:</b> River Blue: Can Fashion Save the Planet ( <a href="http://riverbluethemovie.eco/">http://riverbluethemovie.eco/</a> )	
<b>Tuesday April 16, 2019</b>		
7:30 AM	Breakfast Registration opens	
8:30 AM	<b>Conference Keynote #2</b> - John Van Ham Executive Director of Environmental Innovation, Alberta Innovates Topic: <b>Alberta's Water Innovation Program – Research and Innovation to Support Contemporary and Future Water Management</b>	
	<b>Session 4A - Fisheries Management</b>	<b>Session 4B - Framework and Manual Development</b>
9:30 AM	New tools to examine sedimentation pressure in foothills watersheds	Upper Athabasca Region Water Supply and Allocation Study
10:00 AM	Ladders, live staking and livestock crossings: watershed restoration	City of Fort Saskatchewan Surface Drainage Assessment and Operations/Maintenance Plan
10:30 AM	Coffee break	
	<b>Session 5A - Groundwater and Reservoirs</b>	<b>Session 5B - Modeling and Forecasting</b>
11:00 AM	Hydrogeologic controls on groundwater discharge to fall and winter streamflow in the Canadian Rocky Mountains	New Modeling Paradigm for the Assessment of Future Reservoir Storage Requirements: a case study of the Western Irrigation District, Alberta
11:30 AM	A review of reservoir limnology for water management	Reliable Summer Streamflow Forecasting in The Bow River Basin Using Machine Learning Techniques
12:00 PM	Lunch	
1:00 PM to 4:00 PM	<b>Workshop</b> (free for full or Day 2 conference attendees): Jacqueline Noga, Dr. Jane Springett and Dr. Nicholas Ashbolt - University of Alberta Topic: <b>Opportunities for Water Reuse in Alberta: is it important and how can we do it?</b>	