

**Big Ideas, Better Cities:  
The McMaster University 3<sup>rd</sup> Annual Spring Water Forum**

**18<sup>th</sup> April 2016**

McMaster University, David Braley Health Sciences Centre  
100 Main Street West, 2<sup>rd</sup> Floor, Hamilton, ON, L8P 1H6

**PRELIMINARY AGENDA**

<b>Time</b>	<b>Description</b>
9:30-11:00	Students' Breakfast (Twelve Eighty: Invitation only)
12:00-12:30	Registration and Great Lakes Café Lunch
12:30-12:50	Dr. Gail Krantzberg, Professor and Director, Centre for Engineering and Public Policy, School of Engineering Practice and Karen Kun, Executive Director, Waterlution will share outcome from the first community engagement workshop on Celebrating the Great Lakes. Info here - : <a href="http://waterlution.org/great-lakes/">http://waterlution.org/great-lakes/</a>
12:50-1:50	Cafes were designed to gain public input, ideas and creativity into what communities wish to see during the Celebrate our Great Lakes Day during the GL Public Forum, Oct 4-6 in Toronto - visit <a href="http://binational.net">binational.net</a> for agenda in early April 2016.  Outcomes from cafes highlighted arts, culture, education, youth, on water activities, festivals, and so much more - we will facilitate table dialogues to take the themes, structure, ideas further. It will be a fun, engaging hour to uncover what are methods we can continue to deepen and strengthen Great Lakes awareness, engagement and action.
1:50-2:00	Feedback to Plenary
2:00-2:30	<i>Health Break</i>
2:00-3:00	<b>Keynote 1: Dr. Patrick Ray, University of Massachusetts Amherst</b>  <b>Confronting Climate Uncertainty in Water Resources Planning and Project Design</b>  The presentation reviews innovations in decision tree analysis aimed at sustainable water resources development in four areas: 1) integrated urban water modeling; 2) staged adaptive planning; 3) decision tree concepts for institutional reform; 4) climate change risk management locally targeted (case studies worldwide). It discusses the value added by smart systems analysis, and advances thinking about how to manage climate change risks.

3:00-3:45	<p><b>Panel 1: Water Resilient Cities</b>  From the 2015 summer of droughts to severe flood risks, Canada and an increasingly urban world must confront the prospect of more frequent and severe extreme climate events. Neither technical solutions nor policy action will be sufficient on its own. How can revolutions in risk management guide investments and action? This panel uses systemic risk to bridge the gap between technology and institutional paths to urban water security.</p> <p><b>Moderator: Dr. Dustin Garrick, Director, McMaster Water Network</b>  Panelists: Dr. Patrick Ray, University of Massachusetts, Amherst, Dr. Lisa Guppy, UNU-INWEH, Dr. Heather O’Leary, McMaster University, Dr. Altaf Arain, McMaster Centre for Climate Change</p>
3:45-4:15	<p><b>Coffee Break</b></p>
4:15-5:45	<p><b>Panel 2: Drinking Water Security and Health</b>  The water crisis in Flint – Hamilton’s sister city - highlights the impacts of drinking water insecurity on public health. This is not a distant challenge for Hamilton and Canada; Prime Minister Trudeau has identified boil water advisories as a key priority. Can McMaster research, education and partnerships innovate solutions to the water insecurity in cities with aging or inadequate infrastructure and for the rural and remote communities lacking basic needs? The Sustainable Development Goals (SDGs) adopted in Sept 2015 establish a pressing mandate to connect science, policy and partnerships in Canada.</p> <p>Distinguished Panelists have been invited from Virginia Tech and other partner institutions to examine the lessons and implications of the Flint water crisis, and to stimulate a panel discussion of Canada’s readiness to address the risks of drinking water insecurity.</p> <p><b>Stimulus Presentation by Dr. Bu Lam-Canadian Water Network</b>  <b>Moderator: Dr. Sarah Dickson, McMaster University</b>  Panelists: Dr. Yanna Lambrinidou, Virginia Tech and others</p>
6:00 -7:00	<p><b>Students’ Poster Showcase and Networking Reception</b></p>
7:00-8:00	<p><b>Evening Keynote: Dr. Yanna Lambrinidou, Affiliate faculty in Science and Technology at Virginia Tech, Founder, Parents for Nontoxic Alternatives</b></p> <p><b>The Spiritual Corrosion Behind the Lead Corrosion in Flint’s Drinking Water Crisis and the Urgency to Reimagine Engineers’ Relationship with the Public</b></p> <p>The Flint Water Crisis: Policy Lessons for Protecting our Drinking Water  Dr. Lambrinidou will share insights from the prize-winning Virginia Tech research team that uncovered the drinking water crisis in Flint Michigan.</p>