



Photo: Cliff Johnson via Flickr

At the confluence: nutrients, trace chemicals, and sustainability in the urban water sector

Thursday, September 24, 2015

1:00 p.m.

Interfaith Prayer and Meditation Room, Ohio Union

Reception to follow

Global urbanization and climate change will force cities to transform how they design and operate water systems in the future. The need to manage nitrogen and phosphorus—rather than carbon—will drive the most critical decisions linked to sustainability, such as the development of energy-recovering wastewater treatment or the implementation of green infrastructure strategies. In turn, these changes influence the fate of trace chemicals present in urban water systems and, ultimately, the risks to environmental and public health. All these issues have reached a point of confluence—and now present us with opportunities for innovation and new solutions, particularly in emerging nations.

PRESENTER

Dr. Nancy G. Love is a professor of Civil and Environmental Engineering and Associate Dean for Academic Programs and Initiatives in the Rackham School of Graduate Studies at the University of Michigan. Her research focuses on environmental biotechnology and water quality with an emphasis on engineered treatment systems. Her presentation is part of the Association of Environmental Engineering and Science Professors (AEESP) Distinguished Lecture Series and is cosponsored by the Department of Civil, Environmental and Geodetic Engineering, the Global Water Initiative and the Society of Environmental Engineers at Ohio State and the Ohio Water Resources Center.

