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Toronto Metropolitan University Urban Water

Urban Water TMU - April 2024

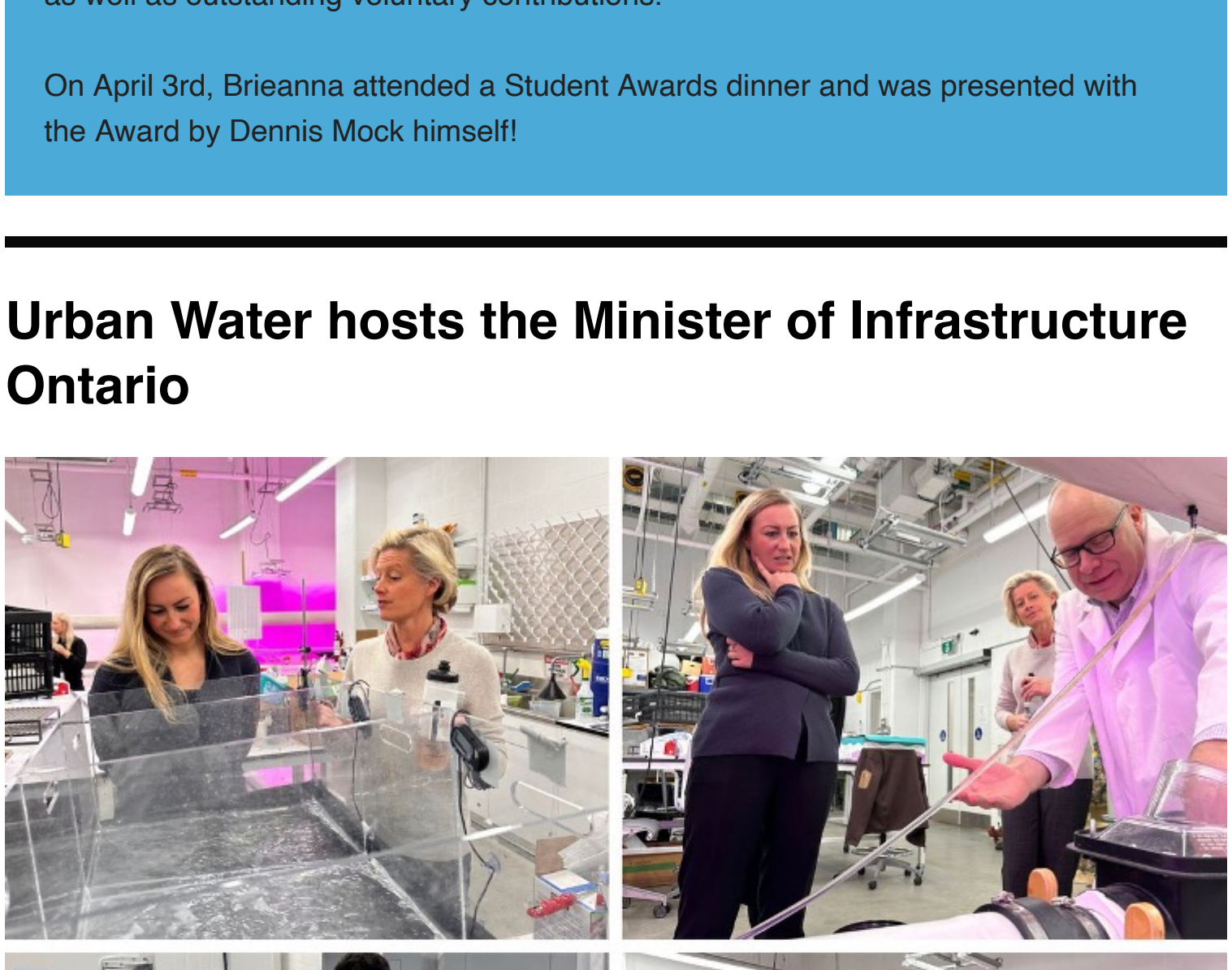
Urban Water TMU student Brieanna Limkilde recognized with Dennis Mock Student Leadership Award!

Brieanna Limkilde has received the Dennis Mock Student Leadership Award! Brieanna won the Award owing to her significant leadership and volunteer activities as President of the Urban Water Student Leadership Committee, Project Management Assistant for Urban Water, and avid volunteer for the many Environmental Applied Science and Management, and Yeates School of Graduate Studies activities.

This award was named after Dennis Mock who has been a leader at TMU for 28 years. Dennis continues his passion for education by recognizing graduating students who are committed to making a difference here at TMU through leadership as well as outstanding voluntary contributions.

On April 3rd, Brieanna attended a Student Awards dinner and was presented with the Award by Dennis Mock himself!

Urban Water hosts the Minister of Infrastructure Ontario



On March 15th, the Minister of Infrastructure Honourable Kinga Surma visited the UW Experimental Laboratory to hear about our research on "flushable" products and sustainable ice-paints and ice-making technologies through the Jet Ice Research Chair.

Huge thanks to our researchers for describing their work!

Urban Water TMU grad students host a Field Techniques Course!

On Friday March 15th, 12 Urban Water TMU undergraduate and graduate students participated in an environmental sciences field methods training course led by PhD students **Wyatt Weatherson** and **Bryant M. Serre**!

They traveled to Yellow Creek and learned field safety, water sampling and several other field data collection techniques. This opportunity was initiated as part of a SCI 999: Research Practicum course and extended to students in public health, chemistry, and biology.

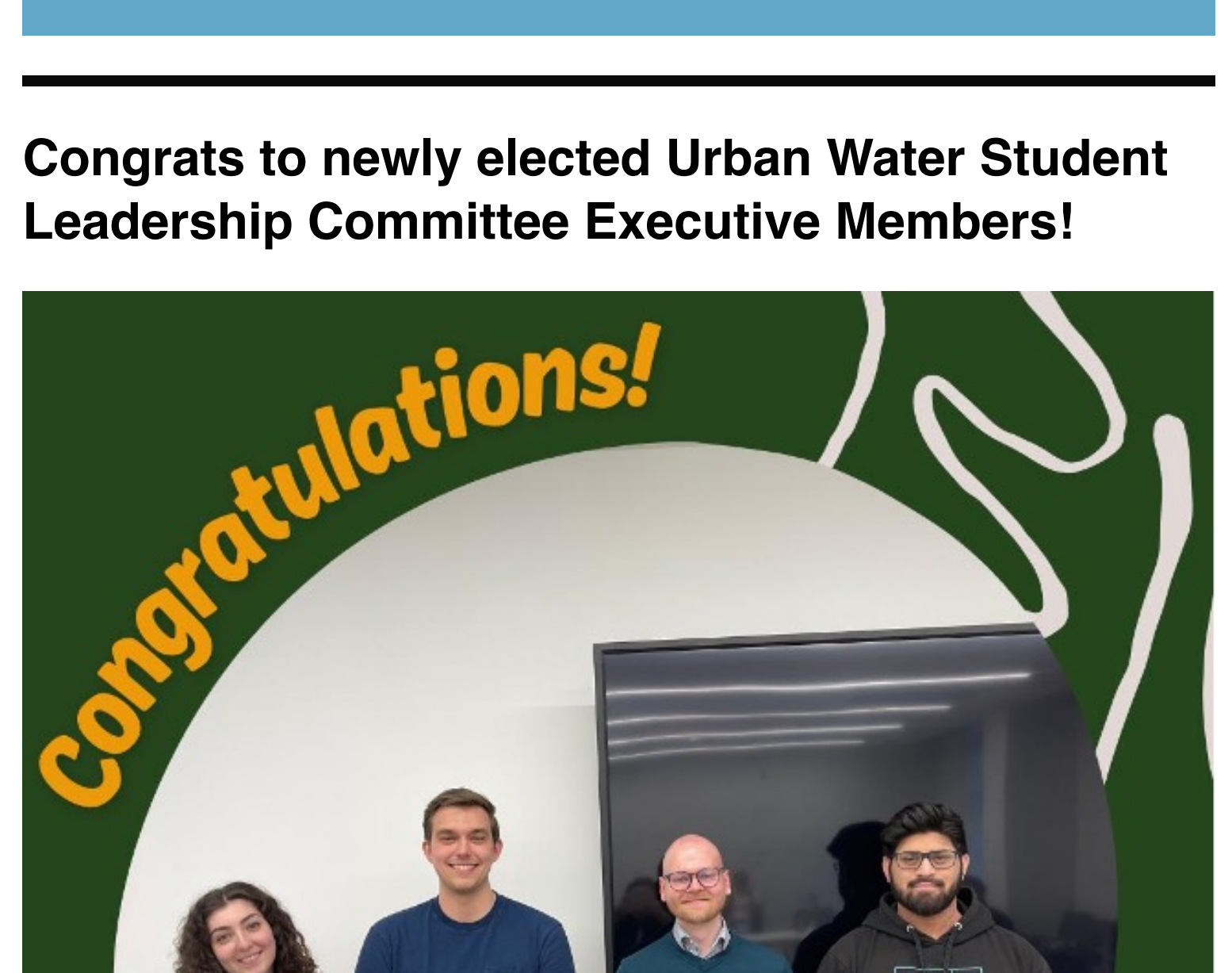
Please see more on our website

Dr. Mike McKay from GLIER toured Urban Water Laboratories and presented his work

Dr. Mike McKay from the Great Lakes Institute for Environmental Research, University of Windsor joined Urban Water for an entire day of learning and networking! Dr. McKay toured Urban Water laboratories and met with a large group of researchers and HQP. Then Dr. McKay presented some of his own research and the work of GLIER on Safeguarding Healthy Great Lakes.

GLIER is an interdisciplinary research centre which includes a graduate program, Freshwater Restoration Ecology Centre, and 19 extensively equipped labs. Some of the research projects include the establishment of Canada's second National Urban Park, restoration ecology of fish, harmful algal blooms, and problems associated with reduced ice cover.

Congrats to newly elected Urban Water Student Leadership Committee Executive Members!

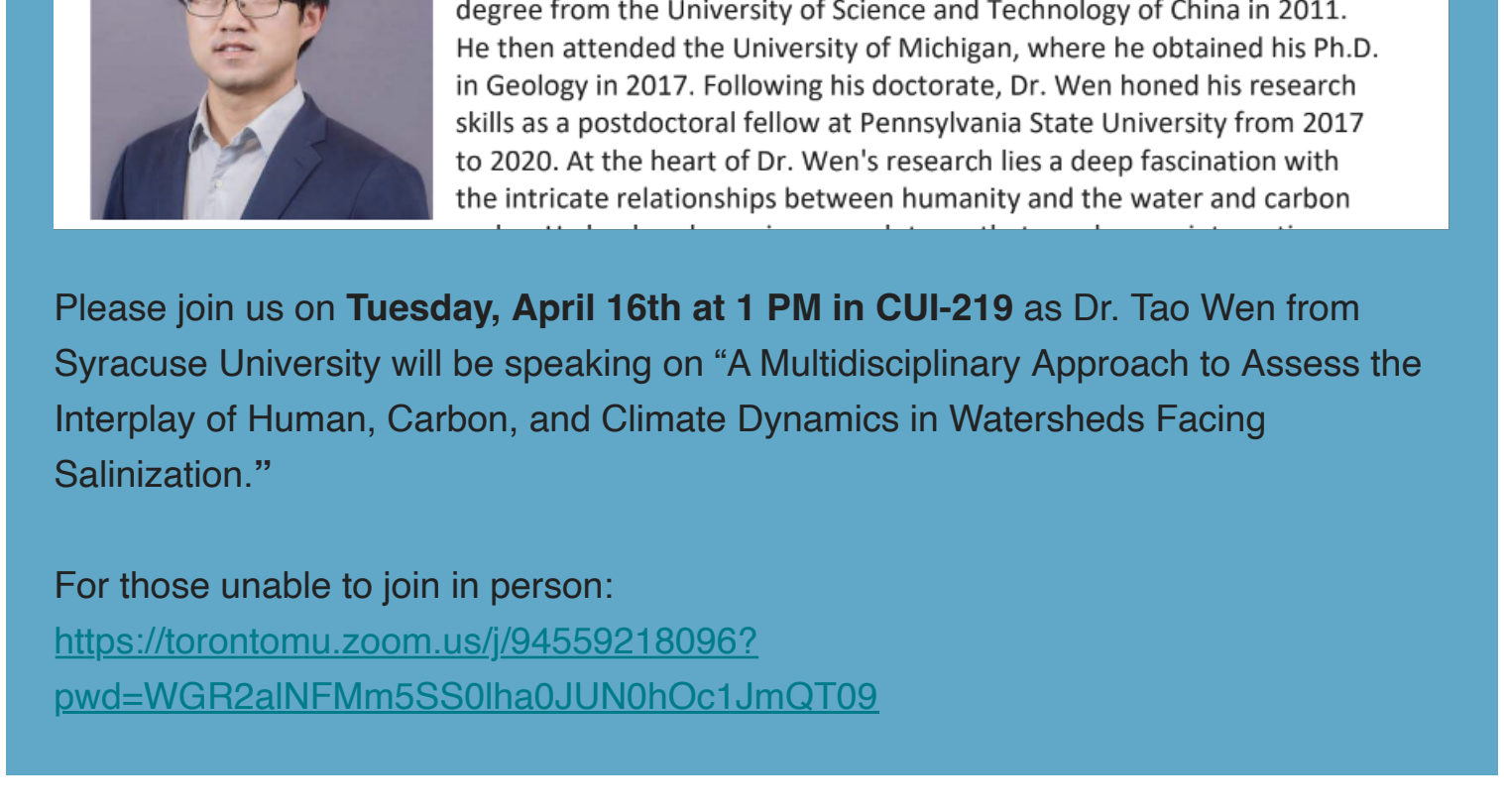


Congratulations to the newly elected 2024/25 Executive Team of the Urban Water Student Leadership Committee! The new team comprises: Wyatt Weatherson (President), Eric Fries (Vice President), Ericka De Oliveira (Social Media Coordinator), and Hadi Khokhar (Treasurer/Secretary)!

Huge thanks to the Outgoing Executive Team: Brieanna Limkilde, Kailyn Seo, Ayub Abdulle, and Seren Acikalin. The 2023-2024 Team was successful in acquiring sustained annual funding from the Toronto Metropolitan Students' Union (TMSU) and held 2 faculty seminars showcasing urban water research to the student community. Please give the outgoing Team a hand!! 👏👏

Please see more on our website

Upcoming Seminar on Tuesday April 16th at 1 PM



A Multidisciplinary Approach to Assess the Interplay of Human, Carbon, and Climate Dynamics in Watersheds Facing Salinization

Dr. Tao Wen

Assistant Professor
Earth and Environmental Science Department, Syracuse University
Tuesday April 16th, 2024
1:00 – 2:00pm via Zoom (if you are on campus, please join us in CUI-219)

Biography: Dr. Tao Wen is an Assistant Professor in the Earth and Environmental Sciences Department at Syracuse University. He embarked on his academic journey in Environmental Sciences, earning his Bachelor's degree from the University of Science and Technology of China in 2011. He then attended the University of Michigan, where he obtained his Ph.D. in Geology in 2017. Following his doctorate, Dr. Wen honed his research skills as a postdoctoral fellow at Pennsylvania State University from 2017 to 2020. At the heart of Dr. Wen's research lies a deep fascination with the intricate relationships between humanity and the water and carbon

Please join us on **Tuesday, April 16th at 1 PM in CUI-219** as Dr. Tao Wen from Syracuse University will be speaking on "A Multidisciplinary Approach to Assess the Interplay of Human, Carbon, and Climate Dynamics in Watersheds Facing Salinization."

For those unable to join in person:
https://torontomu.zoom.us/j/94559218096?pwd=WGR2alNFMm5SS0lha0JUN0hOc1JmQT09

Recent Publications of Full Members

Full Members are highly involved in the Centre and are regular contributors to Urban Water research projects and initiatives. Check out their recent publications below and a full list of publications on the UW website linked here.

Ghadi, N.,Tustin, J., **Young, I.**, Sekercioglu, N., Abdula, S., & **Sekercioglu, F.** (2024). Examining the Impacts of the COVID-19 Pandemic on Iraqi Refugees in Canada. *Int J Environ Res Public Health,* 21(374). https://doi.org/10.3390/ijerph21030374

Hyder, U. S., AlSayed, A., & **Elbeshbishy, E**. (2024). Analyzing the effect of combined chemical conditioning and pH adjustment on improving dewatering and phosphorus recovery from anaerobic mesophilic digestate. *Int J Environ Eng,* 150(6). https://doi.org/10.1061/JOEEDU.EEENG-7562

Hyder, U. S., AlSayed, A., **Elbeshbishy, E.**, McPhee, J., & Misir, R. (2024). Synergistic Addition of Polymer, Ferric Chloride, and Hydrogen Peroxide to Enhance the Post-treatment Efficiency of Thermophilic Digestate. *Waste Biomass Valor.* https://doi.org/10.1007/s12649-024-02437-z

Ranasinghe, C., Baral, S., Stuart, R., **Oswald, C.**, Straus, S.E., Tehrani, A., **Gilbride, K.**, Agyemang, P., Orkin, A. M. (2024). Wastewater surveillance for COVID-19 in shelters: A creative strategy for a complex setting. *Can Commun Dis Rep,* 50(1/2), 58–62. https://doi.org/10.14745/ccdr.v50i12a07

See Our Full Member Publications