Schedule for the Virginia Tech Water Research Colloquium

Hosted by the Virginia Water Resources Research Center

Thursday, Nov 9, 2023 from 1pm - 4pm; reception following from 4pm - 6pm
Friday, Nov 10, 2023 from 9am - 12pm
Holtzman Alumni Center, Assembly Hall

The Virginia Tech Water Research Colloquium is an opportunity for water research faculty and graduate students from VT to join together, highlight water research, and promote collaboration across campus.

Thursday, November 9

Holtzman Alumni Center, Assembly Hall
1:00 - 1:10 Introductory Remarks: **Stephen Schoenholtz**, Director, VWRRC
1:10 – 2:30 Featured Talks – **Moderator: Erin Ling** – State Coordinator, Virginia Household Water Quality Program – Biological Systems Engineering

- 1:10 – 1:30 **Marc Edwards** - Professor, Civil & Environmental Engineering: Bridging the Gap to the Tap for Safe Drinking Water
- 1:30 – 1:50 **Stan Grant** - Professor, Civil & Environmental Engineering: Reversing Inland Freshwater Salinization
- 1:50 – 2:10 **Leigh-Anne Krometis** - Associate Professor, Biological Systems Engineering: The Complexity of Safe Drinking Water Assessment in Central Appalachia
- 2:10 – 2:30 **Robert Weiss** - Professor of Natural Hazards, Geosciences: Water research through Coastal VT

2:30 – 3:00 Break (time for networking, talking, connecting)
3:00 - 4:00 Lightning Talks **Moderator: JP Gannon** – Assistant Professor – Dept. of Forest Resources and Environmental Conservation

- **Meg Rippy** - Assistant Professor, Civil & Environmental Engineering: Characterizing the Impact of Deicers on Engineered Ecosystems: *Implications for Performance, Resilience and Self-Repair through Phytoremediation*
- **Tess Thompson** - Associate Professor, Biological Systems Engineering: Urbanization and stream stability
- **Siddharth Saksena** - Assistant Professor, Civil & Environmental Engineering: The FloodGeeks: Saksena Research Group Overview
- **George Allen** - Assistant Professor, Geosciences: A Global View of Earth's Surface Waters
- **Sally Entrekin** - Associate Professor, Entomology: Trophic transfer efficiency as an indicator of ecosystem stress
- **Alasdair Cohen** - Assistant Professor, Population Health Sciences: Drinking Water and Health in Appalachia
- **Jonathan Czuba** - Assistant Professor, Biological Systems Engineering: Predicting benthic habitat quality across entire gravel-bedded river networks

4:00 – 6:00 Reception, with light refreshments and drinks. Latham Ballroom B

Friday, November 10

Holtzman Alumni Center, Assembly Hall

8:45 – 9:10 Time for talking, networking, connecting with coffee and light breakfast available.

9:10 - 9:15 Welcome and Introductory Remarks

9:15 – 10:35 Featured Talks – **Moderator: Madeline Schreiber** – Professor of Hydrogeosciences and Associate Department Head – Dept. of Geosciences

- 9:15 – 9:35 **Cayelan Carey** - Professor of Biological Sciences: Advancing our understanding and management of freshwaters with near-term forecasting
- 9:35 - 9:55 **Austin Gray** - Assistant Professor of Biological Sciences: On the origin of microplastics and its fate
- 9:55 - 10:15 **Peter Vikesland** - Professor, Civil & Environmental Engineering: Envisioning the future of water contaminant surveillance
- 10:15 - 10:35 **Kang Xia** - Professor, School of Plant and Environmental Sciences: Environmental Occurrence of PFAS

10:35 – 11:00 Break (Time for networking, talking, connecting)

11:00 – 11:45 Lightning Talks – **Moderator: Luke Juran** – Associate Professor – Dept. of Geography

- **Ryan Stewart** - Associate Professor, School of Plant and Environmental Sciences: Hydrological impacts of utility-scale solar installations
- **Amy Pruden** - Professor, Civil & Environmental Engineering: A water systems approach to tackling antimicrobial resistance
- **Daniel McLaughlin** - Associate Professor, Forest Resources and Environmental Conservation: Wetland water storage: drivers and functions at varying spatial scales
- **Meredith Steele** - Associate Professor, School of Plant and Environmental Sciences: Links between freshwater salinization and bacterial pollution
- **Durelle Scott** - Professor, Biological Systems Engineering: Too much, too little, too dirty: Role of Nature Based Solutions through River Corridors
- **Landon Marston** - Assistant Professor - Civil & Environmental Engineering: Water use in a changing world

11:45 - 12:00 Closing Remarks: **Kevin McGuire**, Associate Director, VWRRC