

## Program Agenda (Day One)

### Thursday, September 27, 2018

7:00 – 8:30 AM	<i>Continental Breakfast Provided</i>		
8:30 am – 10:00 am	<p>Welcome &amp; Introductions</p> <p><b>PLENARY SESSION</b>  <b>State Water Policy Updates</b>                  West Virginia Department of Environmental Protection                  West Virginia Department of Natural Resources                  National Weather Service</p>		
10:00 am – 10:30 am	<i>Networking Break and Exhibitor Expo</i>		
10:30 am – 12:00 pm	<p><b>PANEL SESSION</b>  <b>Breaking News: Cutting Edge Water Research in West Virginia</b></p>		
12:00 pm – 1:00 pm	<i>Lunch Provided</i>		
	<b>Breakout Session 1</b>		
1:30 pm – 2:45 pm	<b>Track 1A – Networks and Partnerships in Water Research</b>	<b>Track 1B – Monitoring Water Quality</b>	<b>Track 1C – Water – Energy Nexus</b>
	Beyond Plundering Appalachia. Women’s Leadership in Water Stewardship in Rural West Virginia <i>Martina Angela Caretta, West Virginia University</i>	Estimating Stream Metabolism Using Continuous Water Quality Data: West Virginia and Virginia Examples from a National Analysis <i>Douglas B. Chambers, U.S. Geological Survey</i>	Water Use Associated with Unconventional Gas Development in WV <i>Shawn Grushecky, West Virginia University</i>
	Three Rivers QUEST – Collaborative Monitoring in the Upper Ohio River Basin <i>Melissa O’Neal, West Virginia Water Research Institute</i>	Spatial and Temporal Analysis of Surface Water Quality in an Area of High Density Shale Gas Drilling <i>Rachel Yesenchak, West Virginia University</i>	The Contiguous United States National Available Water and Thermoelectric Power Generation Perspective <i>Jocelyn Mackay, National Energy Technology Laboratory</i>
	Student Session <i>Department of Forestry and Natural Resources West Virginia University</i>	Trends in Water Quality and Algal Community Condition from Real-Time Monitoring at Locations in the Ohio River <i>Mindy Armstead, Marshall University</i>	Statewide Characterization of Fractured-Rock Aquifers in West Virginia using Borehole Geophysical Logs <i>Mitchell McAdoo, U.S. Geological Survey</i>
2:45-3:15	<i>Networking Break &amp; Exhibitor Expo</i>		

3:15 pm – 4:30 pm	<b>Breakout Session 2</b>		
	<b>Track 2A - Forecasting Droughts and Floods</b>	<b>Track 3B - Gaining Insights from Vertebrate Organisms</b>	<b>Track 2C – Impacts and Solutions to Drinking Water</b>
	Modeling Flood Risk Potential in West Virginia <i>Jacquelyn Strager, West Virginia University</i>	Use of an Integrated Growth Model to Describe Brook Trout Production along an Appalachian Riverscape <i>Brock Huntsman, West Virginia University</i>	Improved Jar Testing for Chemical Control and DBP Management with Organics Monitoring <i>Amanda Scott, Suez Water Technologies and Solutions Analytical Instruments</i>
	Student Session <i>Civil and Environmental Engineering Benjamin M. Statler College of Engineering and Mineral Resources</i>	Analysis of Fish Populations Utilizing Environmental DNA Metabarcoding <i>Yvette Halley-Schultz, West Virginia University</i>	Impacts of Bromide Concentration on Brominated THMs Formation in Southwestern Pennsylvania <i>Nashid Mirza, West Virginia University</i>
	Student Session <i>Civil and Environmental Engineering Benjamin M. Statler College of Engineering and Mineral Resources</i>	Investigating Reproduction and Abundance of Bighead Carp and Silver Carp in the Greenup Pool, Ohio River <i>Nathan Fleshman, Marshall University</i>	Comparing Roadside Spring and In-home POU Drinking Water Quality in Southern West Virginia <i>Hannah Patton, Virginia Polytechnic Institute and State University</i>
5:00 pm	<i>Shuttle Departs from Morgantown Marriott at Waterfront Place to Library</i>		
5:00 pm – 7:00 pm	<b>RECEPTION &amp; POSTER SESSION</b> <i>WATER: A Cross-Disciplinary Exhibit Exploring the Significance, Power, and Play of Life's Critical Resource Tour</i>  WVU Wise Library Milano Reading Room <i>Hors D'oeuvres and Beverages Provided</i>		
7:00 pm	<i>Shuttle Departs from Library to Morgantown Marriott at Waterfront Place</i>		
7:15 PM	<i>Dinner on your Own</i>		

### Additional Information on Library Exhibit

**About:** This collaborative, cross-disciplinary, multimedia exhibit examines the power, control, scarcity, abundance, play and impact of water in its various forms. Through interactive visual displays of scholarship, groundwork and art we examine this critical resource and its essential life-giving and life-taking qualities from floods, drought and contamination, to a source of life, beauty, adventure and recreational play. The exhibit ties together the various aspects of water to encourage a conscientious understanding of its support of industries and significance on all aspects of life through themes of Education, Impact, Ideas, Expression and Adventure.

**Exhibitors from WVU:** College of Law, Environmental Health and Safety, Reed College of Media, Statler College of Engineering, WV Water Research Institute, Department of English, Adventure WV, Institute of Water Security and Science, Davis College of Agriculture, Natural Resources and Design, Department of Geology and Geography, Division of Forestry and Natural Resources, College of Business and Economics.

**Exhibitors from Community:** Friends of Decker's Creek, West Virginia Watercolor Society.

## Program Agenda (Day Two)

**Friday, September 28, 2018**

7:00 am – 8:30 AM	<i>Continental Breakfast Provided</i>		
8:30 am – 10:00 am	<p><b>Welcome &amp; Introduction</b></p> <p><b>PLENARY SESSION</b>  <b>Our Aging Water Infrastructure</b>  Environmental Protection Agency  West Virginia Department of Environmental Protection  Morgantown Utility Board</p>		
10:00 am – 10:30 am	<i>Networking Break &amp; Exhibitor Expo</i>		
10:30 am – 12:00 pm	<b>Breakout Session 3</b>		
	<b>Track 3A - Monitoring and Managing Pollution</b>	<b>Track 2B – Human Dimensions of Water Research and Education</b>	<b>West Virginia Advisory Committee on Water Research Business Meeting</b>
	Sustainable Ultradilute Oxidation Catalysis for Micropollutant Remediation from Water <i>Yogesh Somasundar, Carnegie Mellon University</i>	A Qualitative Study of Perspectives on Oil and Gas Extraction in Rural Northwestern West Virginia <i>Bethani Turley, West Virginia University</i>	
	Student Session <i>Department of Civil and Environmental Engineering Benjamin M. Statler College of Engineering</i>	The West Virginia Outdoor Learning Lab: Using Research to Create Environmental STEM Outreach <i>Megan Kruger, West Virginia Water Research Institute</i>	
	Identifying the Causes and Impacts of Nuisance Algal Blooms in the Potomac River Basin: A Cacapon River Case Study <i>Gordon Selkmann, Interstate Commission on the Potomac River Basin</i>	3 Rivers QUEST - REACH 4Schools <i>Lisa Barreiro, Duquesne University</i>	
12:00 pm – 1:00 pm	<i>Lunch Provided</i>		
1:00 pm – 4:00 pm	<p><b>PANEL SESSION</b>  <b>West Virginia Pipelines: The Good, the Bad, and the Ugly</b>  <b>A Cross-Disciplinary Discussion</b></p>		
4:00 pm	<b>Adjourn</b>		