

**FINAL AGENDA** (updated 08062021)

**VT EPSCoR Annual Meeting**

**August 9, 2021**

**Davis Center**

**Grand Maple Ballroom**

**University of Vermont**

**9:00 – 10:00AM**

**Registration & light refreshments**

**10:00 AM (10 mins)**

**Welcome**

Arne Bomblies, State Director, VT EPSCoR

Christopher Koliba, Associate Director, VT EPSCoR

Suresh Garimella, President, University of Vermont

**10:15 AM (10 mins)**

**Special appreciations**

- Dr. Judith Van Houten, State Director, VT EPSCoR Emerita
- VT EPSCoR External Advisory Committee Members
- Policy & Technical Advisory Committee Members

**10:30 AM to 12:30 (2 hrs.)**

**Research slams**

|   |          |             |   |           |
|---|----------|-------------|---|-----------|
| 1 | Andrew   | Schroth     | Interactions between legacy phosphorus, weather and cyanobacteria blooms: Insights gleaned and challenges ahead | In-person |
| 2 | Brittany | Lancellotti | Investigating drivers of riparian soil oxygen variability with self-organizing maps                             | In-person |
| 3 | Dustin   | Kincaid     | Environmental sensors reveal the influence of climate and land use change on watershed nutrient exports         | In-person |
| 4 | Scott    | Hamshaw     | Watershed Data Science at the Event Scale: New Methods to Explore Storm Driven Water Quality Dynamics           | In-person |
| 5 | Kristen  | Underwood   | River and floodplain science guides floodplain, wetland and river restoration in the Lake Champlain basin       | In-person |

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|----|------------|-------------|--|-----------|
| 6  | Gabriela   | Bucini      | High-Resolution Climate over the Mountainous Northeastern  | Recorded  |
| 7  | Jonathan   | Winter      | Projected total and extreme precipitation increases across the Northeastern United States                          | In-person |
| 8  | Charlotte  | Cockburn    | Drivers of future streamflow changes across watersheds in the Northeastern United States                           | Recorded  |
| 9  | Caitlin    | Crossett    | Evaluation of Daily Precipitation from the ERA5 Global Reanalysis against GHCN Observations in the Northeastern US | Recorded  |
| 10 | Maike      | Holthuijzen | Robust bias-correction of precipitation extremes using a novel hybrid method                                       | Recorded  |
| 11 | Alan       | Betts       | Climate Crisis is here: Why does society refuse to deal with it?   | In-person |
| 12 | Brian      | Beckage     | Complexity and Uncertainty of Human Feedbacks to Climate Change  | Recorded  |
| 13 | Scott      | Turnbull    | Infrastructure of the Integrated Assessment Model  | In-person |
| 14 | Patrick    | Clemins     | Dynamic Land-Use Updates in the SWAT 2012 Hydrology Model  | In-person |
| 15 | Imad       | Hannoun     | Three-Dimensional Modeling of Eutrophication and Cyanobacteria Growth in Two Shallow Bays of Lake Champlain        | Recorded  |
| 16 | Panagiotis | Oikonomou   | Climate Change Induced Changes in Extreme Events: Projections and Uncertainty                                      | Recorded  |
| 17 | Asim       | Zia         | Accounting for Lags, Inertia and Cross Scale Dynamics in Sustaining Freshwater Lakes                               | In-person |
| 18 | Elizabeth  | Doran       | On Farmers, Forest Owners and Lake Water Quality   | In-person |
| 19 | Scott      | Merrill     | Using non-monetary awards to motivate agricultural conservation practice adoption                                  | In-person |
| 20 | Stephanie  | Hurley      | Green Stormwater Infrastructure in Towns and Neighborhoods   | In-person |
| 21 | Sarah      | Coleman     | Cross scale analyses for clean water project implementation  | In-person |

|    |                   |                   |  |           |
|----|-------------------|-------------------|--|-----------|
| 22 | Patrick           | Bitterman         | Multi-scale and multi-function: a social-ecological perspective on water governance in the Lake Champlain Basin  | In-person |
| 23 | Richard and Clare | Kujawa and Ginger | Community Resilience, Climate Change, & Governance in Vermont: Role of Regional Planning Commissions in Implementing State Resilience Policy at the Town Level | In-person |

**12:30 to 1:45 PM (1hr. 15 min.)**

**Lunch & Networking**

*Recorded clips of VT PBS, VT EPSCoR docuseries "Saving our Waters" and other programmatic recorded clips*

**1:15 PM (25 mins)**

**Keynote Speaker**

Dr. Russell Moll, California Sea Grant Director Emeritus, VT EPSCoR External Advisory Committee Member and UVM Alumnus

*RACC/BREE in context of big picture scientific endeavors, stakeholder engagement and importance of these endeavors on the national scene*

**1:45 to 2:45 PM (1 hr.)**

**Panel on the state of Water Science in VT**

*Recorded message from The Honorable, Patrick Leahy, US Senator from Vermont*

Christopher Koliba, Moderator

Panelists:

Julie Moore, Secretary of the Agency of Natural Resources

Neil Kamman, Director of the Water Investment Division, VT DEC

Eric Howe, Director, Lake Champlain Basin Program

Breck Bowden, Director VT Sea Grant

Lori Fisher, Executive Director, Lake Champlain Committee

Andrew Schroth, Science Leader Ecological Systems, VT EPSCoR

Asim Zia, Science Leader, Integrated Assessment Modeling Team, VT EPSCoR

Beverly Wemple, Professor and Chair, UVM Dept. of Geology

**2:45 – 3:00 PM (15 mins)**

**Break & Networking**

3:00 – 4:30 PM (1.5 hrs.)

Broader Impacts

- 3:00 -3:15 PM. (15 mins.)
- Baccalaureate Institution and Educational Impacts
  - Saint Michael's College (5 mins)
    - Angela Irvine, Director of Advancement Programs, St. Michael's College (*in person*)
  - Castleton University
    - Andrew Vermilyea, Associate Professor, Analytical/Environmental Chemistry (*recorded*)
  - Northern Vermont University, Lyndon
    - Janel Hanrahan Associate Professor, Atmospheric Sciences, (*in person*)
- 3:15 – 3:25 PM (10 mins.)
  - Undergraduate Highlights

Veronica Sosa-Gonzalez, Coordinator, Center for Workforce Development & Diversity (CWDD)

    - Recorded and testimonial slides
- 3:25 – 3:35 PM (10 mins.)
  - High School Highlights

Janel Roberge, High School Liaison and Operations Manager, CWDD

    - Recorded and testimonial slides
- 3:35– 4:00 PM (25 mins) Workforce Development
  - Graduate Student and Postdoctoral Associate Alumni Testimonials
    - Matthew Vaughan Technical Coordinator, Lake Champlain Basin Program *in person*
    - Jody Stryker Senior Environmental Modeler, Stone Environmental *in person*
    - Erin Seybold Aquatic Biogeochemist, Kansas Geological Survey, University of Kansas *recorded*
    - Peter Isles Aquatic Biologist, Vermont Department of Environmental Conservation *recorded*
    - Jory Hecht Hydrologist, United States Geological Survey *recorded*
- 4:00 – 4:10 PM (10 mins)
  - Private Sector Highlights (*Patrick Clemins*)
    - Susan Tappan, Scientific Director, Microbrightfield BioScience, Inc. *in person*
    - Ben Kinnaman, President & CEO, Greensea Systems, Inc. *in person*

- 4:10 – 4:15 (5 mins)
  - Cyberinfrastructure Investments
    - Patrick Clemins, Manager, Cyberinfrastructure and Partnerships,  
VT EPSCoR *in person*
  
- 4:15 – 4:30 PM (15 mins.)
  - Native American, BIPOC and First Generation STEM Scholarship Awards  
Secretary of VT ACCD, Lindsay Kurrle *in person*  
Arne Bomblies, Veronica Sosa-Gonzalez
    - Scholarship Presentation (7 awardees)

**4:30 – 4:40 PM (10 mins.)**

**The Way Forward**

Kirk Dombrowski, Vice President for Research *in person*  
University of Vermont

**4:40 PM (2 mins)**

**Closing Remarks**

Arne Bomblies  
Christopher Koliba

**4:30 – 5:30 PM (1 hr.)**

**Networking Reception/Cash bar/Refreshments**

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