

18<sup>TH</sup> ANNUAL

# RIVER SYMPOSIUM

## "NAVIGATING THE FLOW: SUSTAINING RIVER COMMUNITIES AND THE HEALTH OF THE BAY"

3-4 NOVEMBER 2023

Bucknell University, Lewisburg, PA

[www.riversymposium.scholar.bucknell.edu](http://www.riversymposium.scholar.bucknell.edu)



# Friday, November 3, 2023

Elaine Langone Center, Bucknell University

### THE FORUM (RM. 272)

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7:00 - 7:05 p.m.

#### **Welcome**

Benjamin Hayes  
Symposium Chair

7:05 - 7:10 p.m.

#### **Opening Remarks**

Andrew Warner  
Executive Director  
Pennsylvania Water Resources Research Center  
Symposium Co-Sponsor

7:10 - 7:30 p.m.

Indigenous perspectives

#### **A Faithkeeper's Perspectives on the Word "Sustainability"**

Oren Lyons  
Chief and Faithkeeper  
Onondaga and Seneca Nations  
Haudenosaunee Confederacy

7:30 - 8:00 p.m.

Keynote Address

#### **Navigating the Complex Waters and the Future of the Chesapeake Bay**

Denice Heller Wardrop  
Executive Director  
Chesapeake Research Consortium

Research Professor  
Penn State University

### THE TERRACE ROOM (ROOM 276)

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8:00 - 10:00 p.m.

#### **Posters, Exhibits, and Evening Social**

**Poster displays** by students and faculty from universities and colleges throughout the Chesapeake region. Students will be at their posters from 8 to 9 p.m. Posters will remain on display in the Terrace Room throughout Saturday.

**Exhibits** from state and federal environmental agencies, consulting firms, watershed groups, and other organizations. Exhibitors will be at their tables from 8 to 9:30 p.m.

**Evening Social** with refreshments from 9 to 10 p.m. Student poster awards will be given at 9:45 p.m.

# Saturday, November 4, 2023

Elaine Langone Center, Bucknell University

## TERRACE ROOM (ROOM 276)

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8:00 - 8:50 a.m.

### Self-Guided Tour of Posters and Exhibits

Coffee/tea and light breakfast snacks will also be served.

## THE FORUM (ROOM 272)

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8:50 - 9:00 a.m.

### Welcome and Opening Remarks

Benjamin Hayes, Symposium Chair

### Plenary Presentations

9:00 - 9:30 a.m.

#### What the Ancient Stories Teach Us

Oren Lyons

Chief and Faithkeeper

Onondaga and Seneca Nations, Haudenosaunee Confederacy

9:30 - 10:00 a.m.

#### Charting the Course to a Healthy Chesapeake Bay: What Does Our Map Tell Us?\*

Vanessa Vargas-Nguyen

Science Integrator with the Integration and Application Network  
University of Maryland Center for Environmental Science

10:00 - 10:10 a.m.

### Intermission

Posters and exhibits on display in the Terrace Room

## THE FORUM (ROOM 272) AND TERRACE ROOM (ROOM 276)

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10:10 - 11:00 a.m.

### Breakout Discussions

Ancient Stories

Room 272 (The Forum)

Science, Management, Conservation

Room 276 (Terrace Room)

## THE FORUM (ROOM 272) AND ROOMS 241 (A/B & C/D)

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11:00 a.m. — 12:00 p.m.

### Oral Presentations

Session 1 **River Ecosystems**

Room 272 (The Forum)

Session 2 **Watershed Hydrology**

Room 241, A and B

Session 3 **Connectivity and Restoration**

Room 241, C and D

\*The titles, times, and room locations of plenary presentations and oral sessions are subject to change. Check the symposium website for last minute updates (<https://riversymposium.scholar.bucknell.edu>).

## WALLS LOUNGE (ROOM 231)

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12:00 - 1:00 p.m.

### Lunch

Creative work: a short segment of *NEPADOC*, a documentary film about the Susquehanna River by David Heineman, Bloomsburg University will be shown from 12:45 to 1:00 pm.

## THE FORUM (ROOM 272)

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### Plenary Presentations

1:00 - 1:30 p.m.

#### Science to Inform Management Priorities

John Clune

Research Hydrologist

U.S. Geological Survey

1:30 - 2:00 p.m.

#### Guardians of the Watershed: Helping Improve the Susquehanna and Chesapeake Bay Ecosystems\*

Harry Campbell

Director of Science Policy and Advocacy

Pennsylvania Office of the Chesapeake Bay Foundation

2:00 p.m. - 3:00 p.m.

### Breakout Discussions

Science, Management, Conservation

Room 272 (The Forum)

## THE FORUM (ROOM 272) AND ROOMS 241 (A/B & C/D)

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3:00 - 4:00 p.m.

### Oral Presentations

Session 4 **Aquatic Habitat and Ecology**

Room 272 (The Forum)

Session 5 **Stream Restoration and Community Engagement**

Room 241, A and B

## THE FORUM (ROOM 272)

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4:00 - 4:15 p.m.

### Reflections and Looking Ahead

Reflect on the symposium outcomes and share ideas for next year's event.

4:15 - 4:30 p.m.

### Student Oral Presentation Awards

Awards for best student oral presentations will be announced at 4:15 p.m.