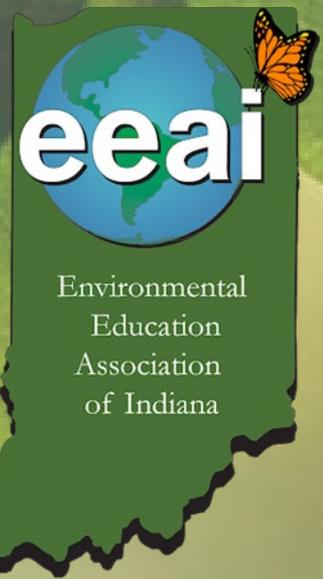




eeai  
**FORWARD** Into a  
**SUSTAINABLE**  
**FUTURE**



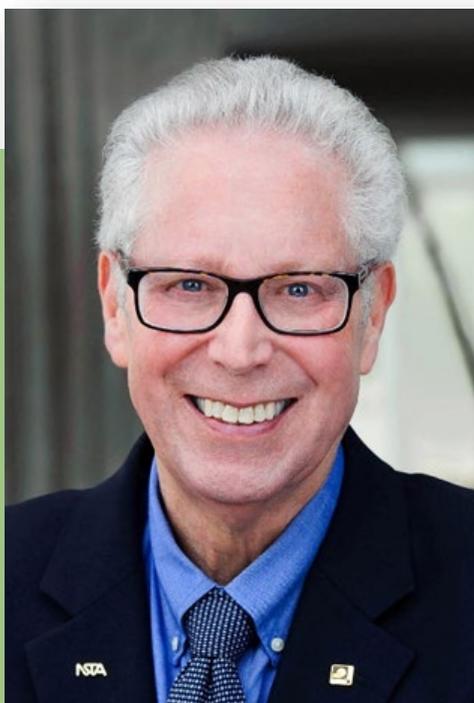
November 12 – 14, 2021  
Spring Mill State Park  
Mitchell, Indiana



# 2021 Keynote

## Making Science Learning Lifelong, Lifewide and Lifedep: What We Know About the Importance of Out-of-School (Informal) STEM Learning

Adults who have an interest in science more likely developed that interest through out-of-school STEM learning activities than through in-school experiences. This is especially true of children under the age of 11. This presentation examines the research regarding when and where STEM learning occurs, when it is most important for developing a future interest in STEM, and the role of out-of-school STEM learning. The presentation will highlight the effective practices featured in the journal *Connected Science Learning* (<http://csl.nsta.org>) that bridge between in-school STEM learning with out-of-school experiences.



Dennis Schatz recently joined the Institute of Learning Innovation as Senior Fellow after 43 years in various leadership positions at Pacific Science Center in Seattle, Washington. He is also Past President of the NSTA (National Science Teaching Association) board of directors.

He was the founding Field Editor of the journal, *Connected Science Learning*, which highlights links between in-school and out-of-school learning. The journal is a joint effort of NSTA and ASTC (Association of Science-Technology Centers).

He led the initial development of the Portal to the Public (PoP) effort and remains active in the program and other NSF funded projects related to PoP, which is an initiative to develop programs that work with scientists to engage with public audiences regarding current science research and its application.

He has received numerous honors, is the author of 26 award-winning science books for children, and co-author/editor of several curriculum resources for teachers.

# Conference Schedule

## Friday, November 12

- 8:00 a.m. Check-in Begins
- 8:30 a.m. Preconference: NAAEE Community Engagement Guidelines for Excellence (Elm)
- 1:00 p.m. New Member and Student Welcome (Lakeview Room and virtual option)
- 1:30 p.m. Kickoff/Welcome (Lakeview Room)
- 2:15 p.m. Concurrent Sessions 1\*
- 3:30 p.m. Concurrent Sessions 2\*
- 4:30 p.m. Share Fair (Lakeview) and Networking (Elm and virtual option)
- 6:00 p.m. Dinner (Lakeview Room)
- 8:00 p.m. EEAI Has Talent Showcase and Hospitality (Red Cross Cabin)

## Saturday, November 13

- 6:30 a.m. Early Bird Hike
- 7:30 a.m. Breakfast (Lakeview Room)
- 7:30 a.m. Begin dropping off Silent Auction items (Lakeview Room)
- 9:00 a.m. Concurrent Sessions 3\*
- 10:15 a.m. Concurrent Sessions 4\*
- 11:30 a.m. Lunch (Lakeview Room)
- 12:30 p.m. Last Call for Silent Auction Item drop off (Lakeview Room)
- 12:30 p.m. Field Trips
- 6:00 p.m. Dinner and Silent Auction (Lakeview)
- 6:45 p.m. Keynote Dennis Schatz (Lakeview and virtual option)
- 7:30 p.m. Awards (Lakeview)
- 8:00 p.m. Silent Auction Ends
- 8:00 p.m. Hospitality (Red Cross Cabin)

## Sunday, November 14

- 6:30 a.m. Inspirational Hike
- 7:30 a.m. Breakfast (Lakeview)
- 9:15 a.m. Concurrent Sessions 5\*
- 10:15 a.m. Break for Checkout
- 10:45 a.m. Concurrent Sessions 6\*
- 11:45 a.m. Closing Remarks and Farewell (Lakeview)

\*Virtual options: some educational sessions will be available virtually

# Conference Information

## COVID Information

- At check-in, in-person participants and speakers of the EEAI conference will be asked to sign a COVID safety acknowledgment/statement of personal responsibility.
- Signing the form is required if attending in-person.
- Face masks are required to be worn by everyone while inside regardless of vaccination status except for eating/drinking. Outdoor areas will be provided for participants who wish to eat in open-air spaces.
- Participants and speakers of the EEAI conference must evaluate their health daily for any symptoms.
- The EEAI board recommends that participants be fully vaccinated against COVID and/or take a COVID test with a negative result before attending.
- Locations for COVID testing, including rapid tests, can be found at <https://www.coronavirus.in.gov/>.
- Spring Mill State Park is near Bedford, Lawrence County (zip code 47446).

## Muscatatuck Bookstore

A wide variety of nature related books & pocket guides including some for children, miscellaneous nature-related games, finger puppets, puzzles, playing cards, and jewelry. Accepting cash, check, and cards.

## Park Information

A per vehicle gate fee of \$7.00 in-state or \$9.00 out-of-state will apply to all parties who will be overnight guests at Spring Mill Inn. Spring Mill State Park closes at 5 pm on Sunday, November 14 for deer management.

## Free Wi-Fi

Free Wi-Fi is available at the Inn, Lakeview Activity Center (Nature Center), park office, camp store, and campground office.

## Don't Forget to Bring

- Clothing and shoes/boots so you are comfortable outside
- Reusable water bottle
- Lawn chair/camp chair
- Item for silent auction

## Conference Session Information

- The Woods on Wheels trailer will be at Lakeview Activity Center (Nature Center) parking lot.
- Due to the rugged trail, it is not recommended to walk after dark to or from the Red Cross Cabin.
- There are only 3 handicap parking spots at the Red Cross Cabin, regular parking is on the far end of the Lakeview Activity Center (Nature Center) parking lot.
- Outhouse near the Red Cross Cabin, and modern restrooms available from 9 am to 4 pm at the nearby Lakeview Activity Center (Nature Center).

## Driving Distances for Sessions

<b>From the Inn to the Red Cross Cabin</b>	5 minutes driving; 10 minutes walking a rugged trail
<b>From the Red Cross Cabin to the Inn</b>	10 minutes driving (due to one-way road); 10 minutes walking
<b>From the Inn to the Village</b>	7 minutes driving; 15 minutes walking a rugged trail
<b>From the Village to the Inn</b>	7 minutes driving; 15 minutes walking

# Schedule for Sessions

	Time	Oak Room	Elm Room	Lakeview Room	Red Cross Cabin	Other
Friday, November 12	8:30 a.m.		NAAEE Community Engagement Guidelines for Excellence			
	2:15 p.m.	Indiana's Wild Climate *	Creating Sustainable Environmental Education Programs	What the Heck is Earth Force? *		Woods on Wheels
	3:30 p.m.	Phenology as a Lens for Environmental Education: Observe, Record, Protect *	The Buzz About Our Native Pollinators	Empowering Students to Measure and Clean Up Carbon Trash*		Woods on Wheels
	4:30 p.m.	Online Networking *	In-Person Networking	Share Fair		
Saturday, November 13	9:00 a.m.	Tips and Tricks on How to Land That EE Job *		Leveraging Curriculum for Climate Emergency Declarations *	Take a Journey Through the Carbon Cycle!	Woods on Wheels
	10:15 a.m.	Incorporating Meaningful Sustainability into Your Facility! *		Maximizing Student Engagement with School Groups *	How Do They Do That?	Woods on Wheels
Sunday, November 14	9:15 a.m.	Where do we go From Here? *	Modeling the Watersheds of the United States	Targeting Instruction to Level of Learner *		Spring Mill State Park Pioneer Village Tour
	10:45 a.m.	Educating for Environmental Change *	Connecting In-School and Out-of-School STEM Learning	Diversity Equity and Inclusion – Sustaining Balance in Sustainability *		

Sessions available as virtual options\*

The keynote will be available for those who wish to join remotely.

Two sessions per time slot will be available as virtual sessions.

An online networking event will be on Friday afternoon.

# Session Tracks (Sessions available as virtual options\*)

## Keeping EE Sustainable

### Creating Sustainable Environmental Education Programs

Jessica Helmbold

Indianapolis Parks and Recreation

In creating environmental education programs, we may become the very people we educate others not to be. How can we create public programs that are sustainable and enjoyable at the same time? I will share the many ways in which sustainability has influenced my program planning over the years.



### Where Do We Go from Here? \*

Karin Hostetter

Cope Environmental Center

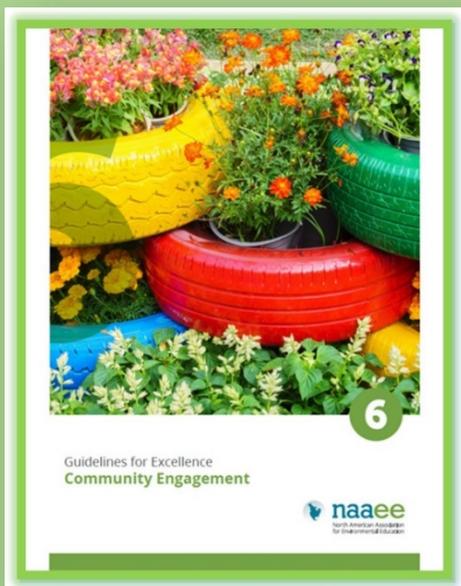
COVID was an interesting challenge to environmental education and interpretation programs. It forced us to be creative, to come up with new approaches, to reach out to audiences in new ways. What did we learn that will continue into the future of successful organizations?

## Preconference Workshop: NAAEE Community Engagement guidelines for Excellence

Jennifer Day Tariq, Illinois EEAI

This set of guidelines from the North American Association for Environmental Education focuses on community wellness and is designed to help environmental educators create inclusive environments that support effective partnerships and collaborations. The guidelines were developed using a process of critique and consensus, similar to the process used to develop all the other Guidelines for Excellence publications.

Jennifer Day Tariq is the Executive Director of the Douglas-Hart Foundation in Mattoon, IL which manages three unique properties: Friendship Garden, The Whiteside Botanical Garden and Arboretum, and the Douglas-Hart Nature Center.



## Tips and Tricks on How to Land that EE Job \*

Sarah Wolf

Hendricks County Parks and Recreation/Indiana University

Being able to land that dream EE job takes more than having a perfect resume. Chart a short-cut to your dream job with these shared tips and tricks. This will include an open discussion with attendees for other hacks.

## Connecting In-School and Out-of-School STEM Learning \*

Dennis Schatz

2021 EEAI Keynote

This presentation highlights effective connected science experiences featured in the journal *Connected Science Learning* to help participants identify ways to develop similar experiences that they can use in their science education efforts. Attendees will need to bring a mobile device or laptop that can connect to Wi-Fi.

## Educating for Environmental Change \*

Adam Scribner

Indiana University

Learn about Educating for Environmental Change, a free Indiana University program that helps educators effectively teach climate change and participate in exemplar lessons designed to surface student thinking and address common misconceptions pertaining to environmental science.

## Targeting Instruction to Level of Learner

Jack Shoaf

Shelbyville High School

Techniques to make last minute adjustments to target instruction to level of your students. Most of the time you need to make the adjustments as you are teaching. The session will focus on assessing learners' levels as you are teaching to make your instruction more effective.

## Sustainable Science

### Indiana's Wild Climate \*

Aaron Stump

Indiana Wildlife Federation

Our Indiana's Wild Climate Workshop explores our state's place in the climate crisis. We discuss the origins of climate science, the implications for Indiana, and how we can do our part to fight the greatest challenge of our time.

### Phenology as a Lens for Environmental Education: Observe, Record, Protect \*

Amanda Wanlass

Indiana Phenology

Phenology (seasonal cycles of biological change) is ubiquitous and accessible, making it great for EE. We'll discuss phenology, how to incorporate it into our EE efforts and create a phenology calendar based on our collective experience for all to use.

## Modeling the Watersheds of the United States \*

Lisa Kern

Avon High School

Create a 3-dimensional model of the major watersheds of the United States based on the formation of the country over geological time, then see how urban or agricultural pollutants can move through the watershed.

## Sustainable Communities

### What the Heck is Earth Force \*

Alyssa McConkey

Earth Force

Is Earth Force a bunch of superheroes or an environmental action impact organization? Perhaps both! Check out this high-level overview of Earth Force and the Process we use to support youth in tackling local environmental issues and developing civic skills in the process.

### The Buzz About Our Native Pollinators

Holly Faust

Hamilton County Parks and Recreation

I would like to introduce our native pollinators. Most are not aware of the diversity of our native pollinators in this country. Why are they so important to us? Why are they disappearing, and what can we do to help?

### Leveraging Curriculum for Climate Emergency Declarations \*

Troy Hammon, Indiana Council for the Social Studies

Jim Poyser, Earth Charter Indiana

Leveraging curriculum to engage youth and adults in acting for Climate Change. Troy Hammon of ICSS and Jim Poyser of Earth Charter Indiana will present on methods and milestones.

### Incorporating Meaningful Sustainability into Your Facility! \*

Alison Zajdel

Earth Charter Indiana/City of Richmond

Making your facility as sustainable as your programs can be tough- especially on a budget! Learn how Cope Environmental Center worked with community partners to create a space built with meaningful stories and sustainable practices. Take away tips you can use with any facility- old or new!

### Maximizing Student Engagement with School Groups \*

Jon Wassner, Lowell Miller and Diana Shellhaas

Traders Point Christian Schools

School groups provide a ready-made opportunity to extend beyond simply knowledge transfer toward developing citizen scientists interested in respecting and visiting Indiana's nature hubs. Learn practical solutions to help students make the jump from a fun "field trip" to an experience that increases their on-site engagement while simultaneously achieving our own goals as instructors.

## Diversity Equity and Inclusion – Sustaining Balance in Sustainability \*

Kimmie Gordon, Brown Faces Green Spaces

Joel Perez, Director, The Nature Conservancy in Indiana

Jennifer Johnson, Community Engagement Specialist, Wild Indigo Nature Explorations/Audubon Great Lakes

Dr. Libre Booker, CEO Living Green Garden, Dean of Information Services, Indiana University NW

This panel will discuss broadening our audiences and thinking about diversity and equity when planning programs and connecting families/children/adults with nature.

## Activity Sessions

### Woods on Wheels

Sara High

DNR Forestry

Indiana Woods on Wheels is a traveling, educational exhibit. Interactive displays and engaging programming cover key topics in forestry and natural resources education, including natural history, benefits of forest management, and hardwood industry careers.



### Take a Journey Through the Carbon Cycle!

Mary Cutler

Tippecanoe County Parks and Recreation

Do you struggle to make the complexities of the carbon cycle tangible for your audiences? Are you still finding it difficult to discuss the validity of anthropogenic climate change? This session will showcase a hands-on, role-playing activity which can help address both challenges! Activity handouts and other resources related to climate change education will be provided.

### How Do They Do That?

Amy Sieferman

Hendricks County Recycling District

What happens to the “stuff” we put in our recycling bin? It can find new life as lots of fun and useful things. Learn hands-on ways to make connections between natural resources and recycling.

### Empowering Students to Measure and Clean up Carbon Trash \*

Daniel Poynter

Carbon Neutral Indiana

Researchers at Yale found over 50% of Hoosiers are "worried" about climate, but most people don't know how to help. Through 400+ interviews, CNI discovered people want measurable, concrete, effective ways to contribute. This curriculum helps students measure their family's carbon footprint and learn how they can "clean up their carbon trash" to be carbon neutral.

## Spring Mill State Park Pioneer Village Tour

Spring Mill Village was originally founded in 1814. The majority of village restoration work was completed in the late 1920s and 1930s, primarily with help from the Civilian Conservation Corps (CCC). The restored Pioneer Village, with its massive water-powered grist mill, and representation of pioneer tradecrafts and occupations, offers a unique chance to step back in time. There are 20 historic buildings to explore. The centerpiece is a 3-story limestone gristmill, built in 1817, that still grinds cornmeal today.



Take a casual stroll through the village learning the history of the people who settled in this little valley. The tour takes 30 – 45 minutes depending on questions. We will remain outside the village buildings during the stroll but the buildings will be open so they can be toured at the conclusion. Paved trail is ADA accessible, but buildings are not. Sign up at Registration table and meet at Weaver's Cabin.



## New Member Welcome

Are you attending the in-person conference as a **NEW** member of EEAI? You'll be heading home with a new lunch buddy. Don't forget to attend the New Member and Student Welcome at 1 p.m. on Friday, November 12 (Lakeview Room and virtual option).

Other attendees are welcome to purchase a custom EEAI reusable takeout container for \$10 at the conference. Proceeds support EEAI programs and activities.

# Field Trips

## **Caving Trip with Adventure Serve - \$25**

Explore the world of caves as we crawl, scramble, wade, learn about cave biology, and be one with the mud! You are guaranteed to get wet, and you'll want to dress warm as this adventure is at least three hours long. We recommend two layers of old clothes (arms and legs must be covered), boots or other old sturdy shoes, kneepads (highly recommended), gloves, and a plastic bag for your muddy clothes afterward. Helmet and light will be supplied. Participants will need to sign a waiver (we will have paper copies available at the conference). Minimum 10 people, maximum 22 people. 45-minute drive.

## **Wine Tasting at French Lick Winery - \$10**

Join us for wine tasting at French Lick Winery where you can try any of their 26 wines. The tasting bar is a prominent feature in the building. Trained wine servers lead our guests through the expansive list of wines, ranging from dry to sweet, fortified and sparkling. Additional wine purchases beyond tasting fees are not included. Participants will carpool to the location. 36 min drive. Scheduled to leave at 3 pm.

## **Raptors at Patoka Lake**

Learn about Patoka Lake's raptors in an educational program and then embark on a hike to explore some of the park's features such as rock shelters used by American Indian hunting parties, freshwater jellyfish, river otters, and osprey. There are ADA accessible trails, but they are a bit hilly. Hiking route will be determined based on group's abilities and desires. 1 hour drive. Program scheduled for 2pm.

## **Spring Mill Nature Preserves Hike**

Hike 2.5 miles on Spring Mill's trail 3, traveling through three nature preserves along the way. This trail has been called a "museum of karst topography" due to its remarkable geological features. Park Naturalist Sheree will tell you everything there is to know about Spring Mill and its various highlights during this 1.5-hour hike that gains 134 feet in elevation. Moderate hike. Hike scheduled for 1pm - 2:30pm.

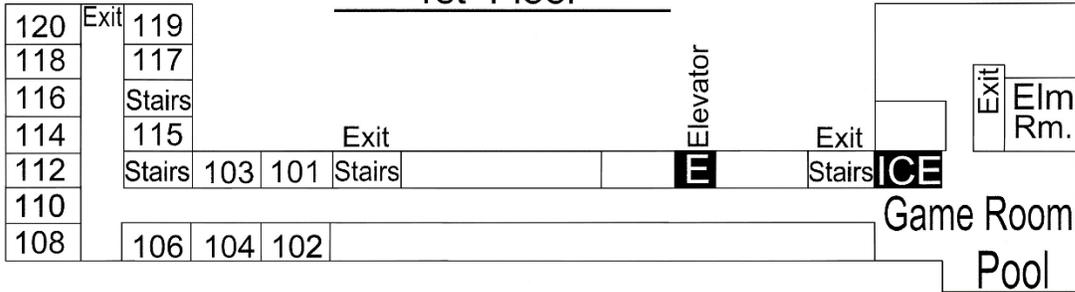
## **Cave River Valley Hike**

Cave River Valley, just down the road from Spring Mill, offers a beautiful and rugged area where you can enjoy a waterfall, remnants of a mill, and caves. This 3.3-mile loop trail won't get you into a cave, but you will learn all about the natural and cultural history of the location from our Spring Mill area expert, Sheree. This hike takes about 1.5 hours and has an elevation gain of 400 feet. Very rugged hike. Waterproof boots recommended as we will be crossing a creek. Participants will carpool to location. 15-minute drive. Meet the Naturalist at the front porch of the inn. Hike scheduled to leave Spring Mill at 3pm and return 5:30pm.

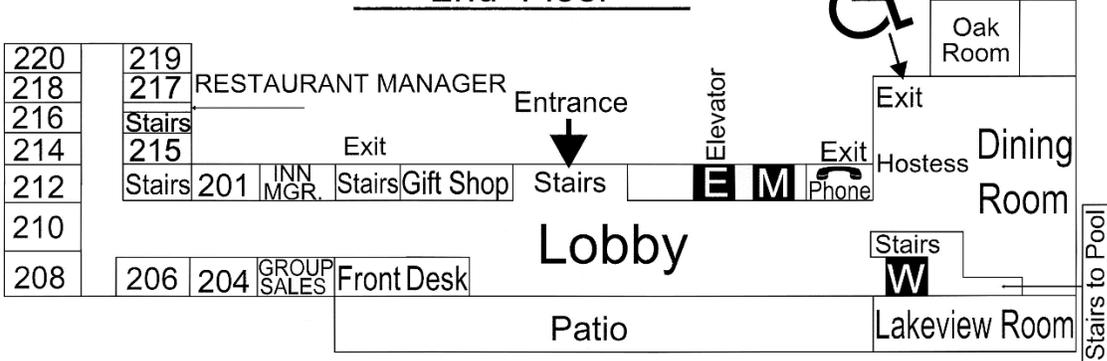
# INN LAYOUT



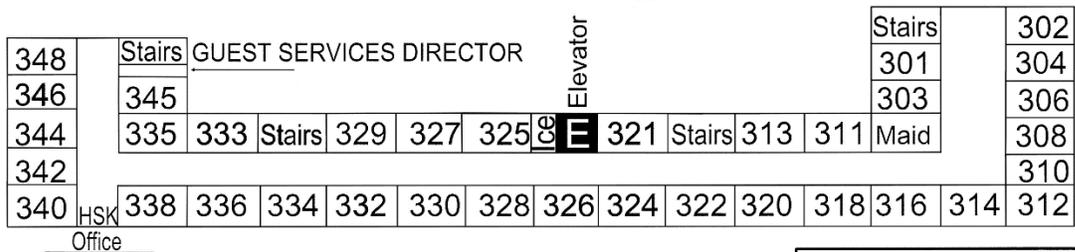
## 1st Floor



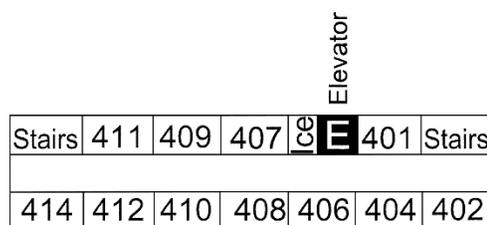
## 2nd Floor



## 3rd Floor



## 4th Floor



### Legend

- M** Men's Room
- W** Women's Room
- E** Elevator
- ☎ Pay Telephones
- ♿ Handicap Ramp & Entrance

*A Fresh Perspective:  
Turning a New Leaf in EE*

Save  
the Date

November 4 – 6, 2022

Camp Mack, Milford, IN

