

# 14<sup>th</sup> Annual Emiquon Science Symposium

(presenting author in **bold**)

9:00 am Symposium Welcome/Announcements

## Keynote Presentation

9:05 am *What Does Climate Change Mean for Illinois?*  
**Jim Angel**

10:05 am **Break**

## Oral Session

10:10 am *TNC's Strategies for Addressing Climate Change in Illinois*  
**Karen Petersen**

10:30 am *Habitat management: adapt or drown on the Illinois River*  
Jacob Randa and **Mitchell Baalman**

10:50 am *Tallgrass prairie restoration at Emiquon: Flooding, burning, and diverging floristic quality*  
**Amy B McEuen** and Sarah Lindholm

11:10 am **Break**

## Oral Session 2

11:15 am *Wetland bird nest success, and nest site selection in a restored wetland system*  
**Auriel MV Fournier**, Joseph D. Lancaster, Aaron Yetter, Abigail Shaw, Macayla Greider, Daniel Wu, Tyler Beckerman, Antonio Gio, Kayanna Wolter, Jacob Figge, Max Lurreur, Mike Wood, Cody Johnson, Devin Jen, Benjamin O'Neal, and Heath Hagy

11:35 am *Sustainable Rivers Program (SRP) Expands*  
**Gretchen Benjamin** and John Hickey

11:55 am **Extended Break**

## Lightning Talks (5 min, with 3 min for Q&A)

12:25 pm 1- *Environmental Monitoring using Unmanned Aerial System (UAS) and Artificial Intelligence (AI) Method*  
**Yun Zhao**, Yanhui Guo, and Thomas Rothfus

2- *Conceptual design for a new Illinois River Biological Station*  
**Jim Lamer**

3- *Obligate cavity-nesting shapes the evolution of territorial aggression, but not testosterone, in both female and male birds*  
**Sara Lipshutz** and Kimberly Rosvall

4- *Why Mussels Matter*  
**Dakota Kobler** and Thomas Rothfus

5- *Current plans for 2020 water level management at The Nature Conservancy's Emiquon Preserve*  
**K. Douglas Blodgett**

1:05 pm      **Break**

**Oral Session 3**

1:10pm      *Stormwater Credit Trading in Cook County as a Means to Improved Natural Infrastructure Distribution*  
**John Legge** and Jennifer Jenkins

1:30 pm      *An Interactive GIS-Based Tool for Guiding Floodplain Protection and Restoration in the Mississippi River Basin*  
**Eugene Yacobson**, Kris Johnson, and Casey Schneebeck

1:50 pm      *Conservation Efforts at Dogtooth Bend*  
**Shelly Morris** and Viv Bennett

2:10 pm      **Break**

**Oral Session 4**

2:15 pm      *Wetlands at work: Nitrogen reduction and phosphorus sequestration of constructed wetlands receiving tile-drained waters from agricultural systems in the Midwestern U.S.*  
**Krista G. Kirkham**, A. M. Lemke, D. A. Kovacic, M. P. Wallace, J. F. Berkowitz, and C. M. Van Zomeren

2:35 pm      *Complex effects of nutrients on amphibian-trematode host-parasite interactions*  
**John A. Marino, Jr.** and Kiernan Robinson

2:55 pm      *Early-life stressors and physiological condition in juvenile birds of prey in Central Illinois*  
**Travis E. Wilcoxon**, Emily Mihalkanin, Jessica Brinegar, Jane Seitz, and Jacques Nuzzo

3:15 pm      **Wrap-up/Thank you**