



MINNESOTA AQUATIC INVASIVE SPECIES RESEARCH CENTER

2024 AIS Research and Management Showcase

Wednesday, September 25, 2024 Schedule

7:45 AM	Registration opens; light refreshments – Northstar Ballroom
8:30 - 9:00 AM	Opening remarks with MAISRC Director Nick Phelps and Research Partnership Awards Ceremony Northstar Ballroom

9:15 - 10 AM	Theater	Ballroom	Cherrywood	Lab Tours
Session	It works! eDNA Sampling by Volunteers in Minnesota Lakes	Starry stonewort and wild rice: assessment and response	Multibeam sonar for zebra mussel mapping	
Presenters	Denver Link	Steve Smith	Jessica Kozarek	

10:15 - 11 AM	Theater	Ballroom	Cherrywood	Lab Tours
Session	Assessing and refining copper-based treatment to suppress zebra mussel populations	What works to influence recreational boater behaviors: signs or augmented reality?	The Impact of Common Carp Infestation on Greenhouse Gas Emissions from Lakes	Lab Tour 1: Meet outside of Theater
Presenters	Diane Waller and Matthew Barbour	Ingrid Schneider	John Downing and Joe Rabaey	

11:15 - 12 PM	Theater	Ballroom	Cherrywood	Lab Tours
Session	Lightning Round 1 [★]	Effective rusty crayfish removals to protect wild rice	We can...but should we? Public perceptions of genetic biocontrol strategies for AIS	Lab Tour 2: Meet outside of Theater
Presenters		Valerie Brady and Brennan Pederson	Kiley Fryman	
12 – 1:15 PM	Lunch with researchers and colleagues			
1:15 - 2 PM	Theater	Ballroom	Cherrywood	Lab Tours
Session	Can small scale, invasive cattail removal benefit nearshore lake ecosystems?	Cost-benefits of AIS prevention: A new tool to guide management	Genetic control of grass carp through RNA interference	
Presenters	Claire Rude	Nick Phelps	Chris Merkes	

2:15 - 3 PM	Theater	Ballroom	Cherrywood	Lab Tours
Session	Zebra mussel impacts on fish mercury concentrations	Lab to lakes: a new initiative to advance common carp management	Enhancing Aquatic Invasive Species Management through Collaborative Watercraft Inspection Planning-A Game Theory Approach	Lab Tour 3: Meet outside of Theater
Presenters	Gretchen Hansen	Sarah Unruh	Amy Kinsley and Hyunwoo Lee	

3:15 - 4 PM	Theater	Ballroom	Cherrywood	Lab Tours
Session	Lightning Round 2 [◇]	Evaluating Innovative Coatings to Prevent Aquatic Invasive Species	Fishing for pathogens with cheaper, faster, better diagnostic tools	Lab Tour 4: Meet outside of Theater
Presenters		Mikael Elias	Isaiah Tolo	
4:00 - 5:30 PM	Happy Hour Demonstrations Northstar Ballroom			

◆ **Lightning round 1:**

11:15: **Supporting innovative and adaptive invasive aquatic plant management**

Presented by Jake Walsh

11:30: **Social dimensions of trade pathways of AIS spread**

Presented by Amit Pradhananga

11:45: **Developing simulation-based decision support tools for AIS management**

Presented by Ranjan Muthukrishnan

◇ **Lightning round 2:**

3:15: **Impacts of Common Carp control on native fishes**

Presented by Solomon David

3:30: **Rapid DNA sequencing approaches for multiple AIS detection**

Presented by Valerie Brady and Andrew Wood

3:45: **High-Throughput Simultaneous Detection of Various AIS**

Presented by Satoshi Ishii