



MINNESOTA AQUATIC INVASIVE SPECIES RESEARCH CENTER

2023 AIS Research and Management Showcase

Wednesday, September 20, 2023 Schedule

8:30 - 9:00 AM	Welcome!		
9:15 - 10 AM	Web Room 1	Web Room 2	Web Room 3
Session	Genetic Biocontrol of Invasive Species - Understanding Attitudes and Risk Perceptions	County collaborations for watercraft inspection planning	Frameworks for Modeling AIS Distribution and Spread
Presenters	Kiley Davan and David Fulton	Amy Kinsley and Selina Cai	John Fieberg and Alex Bajcz
10:15 - 11 AM	Web Room 1	Web Room 2	Web Room 3
Session	Costs and benefits of AIS prevention in Minnesota	Lightning Round 1: Attitudes toward RNAi methods for controlling invasive carp, Zebra mussel impacts on fish mercury concentrations, Surveillance and control of Chytrid fungi in Minnesota amphibians	Visitor and business perspectives about aquatic invasive species
Presenters	Nick Phelps	David Fulton, Gretchen Hansen, Amy Kinsley	Amit Pradhananga

11:15 - 12 PM	Web Room 1	Web Room 2	Web Room 3
Session	Low Dose Copper to Reduce Zebra Mussel Recruitment	Optimizing eDNA monitoring for multiple aquatic invasive species	Lightning Round 2: Culturing Microalgae to Support Aquatic Invasive Control Species, Developing streamlined detection assays for invasive fish pathogens, Genetic control of Grass Carp through RNA interference
Presenters	Diane Waller and Matthew Barbour	Christopher Rounds and Anna Tosch	Ben Minerich, Isaiah Tolo, James Wamboldt and Chris Merkes
12 - 1:15 PM Lunch break			
1:15 - 2 PM	Web Room 1	Web Room 2	Web Room 3
Session	Beyond the sign: Observing angler behaviors to inform prevention message development	Developing RNA-interference based genetic biocontrol tools for invasive zebra mussels	Building a centralized database of watermilfoil strain geographic distribution and herbicide response for use in management decision-making
Presenters	Ingrid Schneider	Daryl Gohl	Ray Newman, Ryan Thum, and Ashley Wolfe

2:15 - 3 PM	Web Room 1	Web Room 2	Web Room 3
Session	Lightning Round 3: Evaluating CO2/sound bigheaded carp deterrents in model lock/dam, Effective Rusty Crayfish Removals to Protect Wild Rice, Cultivating resilience: native revegetation for AIS resistance	Can mechanical removal of invasive cattails benefit fish communities?	Interference in Microbial Signaling to Mitigate the Spread of AIS
Presenters	Al Mensinger, Amanda Weberg and Liz Anderson, Abha Panda	Amy Schrank	Mikael Elias
3:15 - 4 PM	Web Room 1	Web Room 2	Web Room 3
Session	Acoustic Conditioning in Common Carp to Accelerate Removal and Reduce Cost	Genetic method for control of invasive fish species	Multibeam sonar zebra mussel mapping: Method development
Presenters	Przemek Bajer and Rebecca Bullers	Julie Badger	Jessica Kozarek