Call for Abstracts

International Association for Great Lakes Research
70th Annual Conference on Great Lakes Research

70th IAGLR 2027
GREAT LAKES, GLOBAL IMPACTS
DULUTH, MN • MAY 24–28

Deadline: Friday, December 18, 2026

Submit online at https://iaglr2027.iaglr.org/submission.

We invite you to participate in IAGLR's 70th Annual Conference on Great Lakes Research. The conference will be held May 24-28, 2027, in Duluth, Minnesota as a **hybrid** event. Sixty-two sessions have been proposed to complement the theme ***Great Lakes, Global Impacts.***

We welcome abstract submissions for both oral and poster presentations. Both types may be given in person or virtually. All oral presentations will be scheduled for Tuesday, May 25, through Friday, May 28. Oral presentations will be livestreamed, and, for those who have opted in, recordings will be available for later viewing. In-person posters will be given a high profile on Tuesday evening and made available for viewing through Friday. Virtual posters will be available for viewing online.

We encourage authors to submit abstracts for specific sessions, but also will consider general contributions. Please view the list of proposed sessions to plan your submission. If you are uncertain about the most suitable session for your paper, please contact the session chairs.

Abstract Submission

All abstracts must be submitted via the conference website: https://iaglr2027.iaglr.org. A nonrefundable, nontransferable **$50 fee** (USD) is charged for each abstract at the time of submission*. (Have your Visa or MasterCard ready when you submit your abstract). A paid abstract fee does not imply conference registration, which will open in March and is a separate fee. You will be notified in February whether your abstract has been accepted. If it is not accepted, your $50 abstract fee will be reimbursed.

You may submit **only one abstract as first author**; however, there is no limit to the number of abstracts that you may co-author. By submitting an abstract, presenters confirm that they have the necessary rights and permissions to share the content publicly. This includes securing any required approvals from co-authors, employers, or affiliated institutions. Presenters are responsible for ensuring that their content complies with applicable intellectual property and privacy regulations.

Abstract Content

Abstracts should describe results and the relevance of the work or research being done, clearly addressing its implications for advancing collective knowledge or the effectiveness of policy. Please write your abstract for a general audience and note the following limits:

- Title: 15 words/100 characters
- Abstract body: 230 words (limit to one paragraph)

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IAGLR Outstanding Student Paper/Poster Awards
Each year, IAGLR honors outstanding student oral and poster presentations given at the Conference on Great Lakes Research. See prize details at iaglr.org/awards-scholarships/. Only in-person presentations will be eligible. Student presenters can elect to be an award candidate in the abstract submission form.

Note on Nomenclature
IAGLR recognizes that U.S. federal employees may be subject to institutional requirements to use the federal government's designated name for Lake Ontario in official communications and administrative documents. We recognize that compliance with these requirements does not imply personal or scientific endorsement of the name change. Federal scientists should not be disadvantaged, questioned, or penalized for following their employer's administrative requirements.

For the purposes of IAGLR's scientific program, publications, and conference activities, the Association will continue to use the name Lake Ontario. Where the use of the federal designation is required, contextual references such as "Lake America (Lake Ontario)" or "Lake Ontario (referred to as Lake America in U.S. federal nomenclature)" may help preserve scientific clarity, historical continuity, and international consistency. IAGLR remains committed to protecting scientific independence, the integrity of long-term research records, and international collaboration across the Great Lakes basin.

Questions?
If you have any questions, please contact the Program Co-Chairs: Liz Minor, eminor@d.umn.edu and Molly Wick, molly.wick@wisc.edu.

*If you are a government employee, see the abstract submission form for more information.

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Proposed Sessions

Biological Threats to the Great Lakes

1. Addressing Knowledge Gaps in Great Lakes Harmful Algal Bloom Science
2. Aquatic Invasive Species Research
3. Aquatic Microbiology, Cyanobacteria, and Harmful Algal Blooms in Earth's Large Lakes
4. Ballast Water Research in the Great Lakes
5. Lake Superior Algal Blooms: State of the Science

Climate Change, Extreme Events & Hydrological Dynamics

6. Advances in Hydroclimate Modeling and Data to Support Great Lakes Adaptive Management
7. Ecological Modeling and Physical-Biological Interactions in Large Lakes and Their Watersheds
8. Global Influences on our Great Lakes: How Large-Scale Weather and Global Climate Patterns Have a Regional Impact on Lake-Atmosphere Systems
9. Monitoring Great Lakes Water Levels: Connecting Data Past and Future
10. Physical Processes in Lakes
11. Under the Ice: Diving into Winter Science in Large Temperate Lakes

Communicating Great Lakes Science & Education

12. Amplifying Great Lakes Research Through Outreach and Extension Partnerships
13. At the Confluence of Research and Education: Stories that Elevate Global Great Lakes Literacy
14. Great Lakes, Global Conversations: Expanding Science Communication

Food Webs, Fishery Science & Biodiversity

15. At the Base of it All: Investigating and Monitoring Lower Food Webs in Large Lakes
16. Beyond the First Cast: Recruitment, Retention, and Reactivation in Great Lakes Fisheries
17. Biodiversity and Habitat Change Across the Great Lakes
18. Fishing for Data: Community Partnerships to Enhance Fisheries Research and Management
19. Food Webs in Transition: Rebuilding Our Understanding of Great Lakes Ecosystems
20. Honoring the Contributions of Dr. Donn Branstrator
21. Progress and Challenges with Coregonine Conservation and Restoration in North America and Europe

Great Lakes Habitats, Restoration & Resilience

22. Ecology and Management of Coastal Beaches and Sand Dunes
23. Evidence of Environmental Recovery in Great Lakes Coastal Habitats
24. Great Lakes Coastal Wetlands - 25 Years of Collaborative Basinwide Research

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25. Lake Superior Estuary Come Back: Reconnection and Renewal on the St. Louis River
26. Monitoring Short and Long-term Success of Remedial and Restoration Projects
27. Resilient Coasts: Collaborative Pursuit and Execution of Nature-Based Solutions

Groundwater, Surface Water & Watershed Processes

28. Great Lakes Watershed Mapping and Assessment Tools, Applications and Methodologies
29. Groundwater in the Great Lakes: Data, Models, and Gaps
30. Groundwater-Surface Water Interactions Affecting Hydrology, Chemistry, and Ecology Across Scales in the Great Lakes Basin
31. Sediment Transport, Storage, and Nutrient Flux in Aquatic Ecosystems

Indigenous Knowledge, Governance & Relationships

32. Aquaphilosophy: The Aesthetics, Metaphysics, and Ethics of Water
33. Bridging Indigenous and Western Knowledges in Great Lakes Science
34. Climate Migration, Indigenous Communities, and Community Resilience
35. Relationships and Responsibilities: Indigenous Knowledge, Governance, and Care for Freshwater Systems
36. Sustaining Manoomin (Wild Rice) Across Minnesota and the Western Great Lakes: Co-Stewardship, Hydrological Resilience, and Collaborative Knowledge

Knowledge Co-Creation, Partnerships & Community Engagement

37. A New Critical Mineral Rush - Water Priorities from Lake Communities Worldwide
38. From Reactive to Proactive: Envisioning the Future of the Great Lakes
39. Research to Serve Communities: Highlights from Great Lakes Sea Grant Research
40. The Missing Link: Trusted Advisors and Agricultural Retailers for Water Quality

Large Lake Observation & Management

41. Carbon Cycling in Large Lakes: Linking Chemistry, Physics, Biology, Geology and Human Perturbations
42. Overview of Lake Erie CSMI Activities During the 2024 Intensive Field Year
43. The Case for Great Lakes Research: Science, Stewardship, and Global Relevance

Technology & Innovation

44. Documenting the Complex: Observational Strategies for Challenging Conditions
45. Freshwater Technology Showcase: Highlighting the Cutting Edge of Innovation
46. Governance of Responsible AI Use in Great Lakes Science

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47. Intersection of Observations and End Users: Modeling, Decision Making, Planning
48. New Scales, New Science: Leveraging Novel Great Lakes Observations
49. Remote Sensing Applications: Leveraging Environmental Information from Aloft to Monitor the Water Surface and Beyond

Water Policy & Conservation

50. Collaborative Partnerships for Great Lakes Stewardship: Who, What, When, Where and Why
51. Projecting Water Demands and Cumulative Impacts by Water Use Sector
52. Reconnecting Watersheds: Integrating River Connectivity, Wetland Restoration, and Peatland Conservation for Freshwater Resilience

Water Quality, Contaminants & Pollution

53. Atmospheric Deposition of Contaminants into Large Lakes
54. Bridging Oil Spill Science and Response to Protect Freshwater Energy Corridors
55. Freshwater Salinization: Sources, Pathways, and Impacts on the Laurentian Great Lakes
56. Legacy and Emerging Contaminants of Concern in Large Lakes and their Watersheds
57. Multidisciplinary Perspectives on Contaminant Fate and Transport in the Laurentian Great Lakes
58. Researching, Planning, and Partnering to Tackle Plastic Pollution in the Great Lakes
59. Tire-Derived and Other Emerging Contaminants: Aquatic Fate and Impacts

Waterways, Culture & Environmental Justice

60. Fluid Heritage: Waterways as Sites of Memory
61. Reweaving Rust Belt Watersheds: Combining Cultural and Ecological Approaches
62. The Underground Railroad's Legacy in Great Lakes Science, Stewardship, and Environmental Justice

Other Topics

63. General Contributions