Call for Abstracts

International Association for Great Lakes Research
63rd Annual Conference on Great Lakes Research
June 8-12, 2020

Deadline: Friday, Jan. 24, 2020

Submit online at iaglr.org/iaglr2020/abstracts

We invite you to participate in the 63rd annual Conference on Great Lakes Research to be held June 8-12, 2020, at the RBC Convention Centre, Winnipeg, Canada. Fifty sessions have been proposed to complement the theme *2020: Focusing on the Future.*

We welcome abstract submissions for both oral and poster presentations. All oral presentations will be scheduled for Tuesday, June 9, through Friday, June 12. Posters will be given a high profile on Tuesday evening and made available for viewing throughout the week.

We encourage authors to submit abstracts for specific sessions, but also will consider general contributions. 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 IAGLR website: iaglr.org/iaglr2020/abstracts. A nonrefundable, nontransferable **$50 fee** (USD) is charged for each abstract at the time of submission. (Have your Visa or MasterCard when you submit your abstract). A paid abstract fee does not imply conference registration, but will be credited toward your conference registration fee. If your abstract is not accepted and you do not plan to attend the conference, your $50 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.

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: 100 characters
Abstract body: 1,000 characters (limit to one paragraph)

Questions?

If you have any questions about submitting an abstract, please contact the local planning leads:

- Scott Higgins, Program Chair, shiggins@iisd-ela.org, (204) 958-7700 x741
- Matt McCandless, Conference Site Chair, mmccandless@iisd-ela.org, (204) 958-7700 x729

All presenters, including session organizers, must pay conference registration fees

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Proposed Sessions

Watersheds, Tributaries, and Coastal Issues
1. Linking soil biogeochemical processes with nutrient export into waterways
2. Social-ecological benefits of Great Lakes coastal wetlands
3. Great Lakes shoreline changes during recent extreme water levels
4. Fluxes of carbon and nutrients across aquatic boundaries from land to ocean
5. Assessing nutrient biogeochemistry of sediments in agricultural drains
6. Current status and assessment of Great Lakes connecting channels

Great Lakes Limnology and Health
7. Biogeochemical processes at the sediment-water interfaces
8. Invasive species
9. Dual challenge: Nearshore nutrient enrichment and offshore productivity declines
10. Great Lakes renewable energy: Resource, challenges, and ecosystem interactions
11. Physical processes in lakes
12. Microbial indicators of ecosystem health and processes
13. Beyond HABs: Phytoplankton research in the Great Lakes
14. Exploring Great Lakes diversity: Using traditional and genetic approaches

Chemical Contaminants and Emerging Issues
15. Great Lakes plastic pollution: Addressing knowledge gaps and informing action
16. Occurrence and impacts of chemical contaminants and toxins in the Great Lakes
17. Viruses in large lakes of North America
18. Oil Spills in freshwater and estuarine systems: The need for specific knowledge in an often-overlooked scenario

Fisheries and Fisheries Management
19. Emerging technologies for the detection and control of invasive fishes
20. Environmental impacts of freshwater net pen aquaculture production
21. Biology and restoration of ciscoes in the Great Lakes: 21st century challenges

Technology, Innovation, Data Management, and Remote Sensing
22. Remote sensing, visualization, and spatial data applications for the Great Lakes
23. Improve model predictions via coupled system, data assimilation, machine learning
24. Unraveling the code: Exploring freshwater ecosystems in the age of genomics
25. The role of observations, base data and models in the new GLOS tech platform
26. GLOS: Lakebed 2030 - building a better basemap
27. Map the Great Lakes to understand underwater habitats
28. Opportunities and challenges for data management and FAIR data practices
29. Great Lakes innovative technology forum

Specific Lakes and Places
30. The state of global lakes
31. State of large lakes of North America - SoLLNA: Managing ecosystem stressors
32. Lake Winnipeg: The emerging view after 15 years of whole-ecosystem science
33. Connecting land and water: The western Lake Erie report card
34. The Lake of the Woods watershed

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Integration of Science and Management

35. Addressing Great Lakes science and policy at the IISD Experimental Lakes Area
36. Good intentions, shelved outcomes: Environmental policy implementation paralysis
37. A science strategy for water management in the Great Lakes
38. Great Lakes, wicked problems: Research across science-policy-publics interfaces
39. The role of monitoring in research
40. Global to local: Canada's 2020 international freshwater biodiversity targets

Traditional Knowledge

41. Traditional ecological knowledge and the Great Lakes basin
42. Indigenous worldview and participation in lake research

Education and Outreach

43. Education and youth engagement in freshwater science
44. So you wanna be on TV: How to conquer screens, microphones, and B roll
45. Google yourself: Tips for maximizing the impact of your online profile
46. Ace the interview: Pointers for talking to print, radio, or tv reporters
47. Great Lakes education, outreach, and communications

Climate – Lake Interactions

48. Climate impacts on Great Lakes and watersheds: Model applications
49. Large lakes' interaction with climate on seasonal to multi-millennial scales

Other Topics

50. General

All speakers, including session organizers, must pay conference registration fees.