Call for Abstracts

International Association for Great Lakes Research
62st Annual Conference on Great Lakes Research
June 10–14, 2019

Deadline: February 1, 2019

Submit online at iaglr.org/iaglr2019/abstracts

We invite you to participate in the 62nd annual Conference on Great Lakes Research to be held June 10-14, 2019, at The College at Brockport, State University of New York. Fifty-eight sessions have been proposed to complement the theme *Large Lakes Research: Connecting People and Ideas.*

We welcome abstract submissions for both oral and poster presentations. All oral presentations will be scheduled for Tuesday, June 11, through Friday, June 14. 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/iaglr2019/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 (to ensure it fits in the printed program)
Abstract body: 200 words

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

- Joseph Makarewicz, Program Chair, jmakarew@brockport.edu, (585) 352-9724
- Jim Haynes, Conference Site Chair, jhaynes@brockport.edu, (585) 315-5726

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

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Proposed Sessions

Chemical Contaminants and Emerging Issues

1. Emerging issues and freshwater futures: From PFAS to parasites and pathogens
2. Chemical monitoring and surveillance in the Great Lakes: multimedia
3. Chemical contaminants
4. Microplastics in freshwater systems: Advances in chemistry, biology, and physics
5. Microplastics in the environment: Source, fate, impact, detection, and mitigation

Education and Outreach

6. Great Lakes outreach and education
7. Beyond peer review: Why you must connect your science to stakeholders (and how to do it)
8. Education, outreach, and citizen science: Engaging the community
9. Citizen science: Leveraging our love of the lakes

Fisheries and Fishery Management

10. Disease and mortality in fishes
11. Thiamine deficiency in the Great Lakes
12. Restoration and management of the Great Lakes' fisheries
13. Great Lakes' fish habitat priorities development, implementation, and adaptive management
14. Contribution of Great Lakes' fisheries to livelihoods and food security

Great Lakes Limnology and Health

15. Physical processes in lakes
16. Environmental indicators for society: Measuring social, economic, and socio-economic impact
17. Great Lakes primary production: Methods results, and management implications
18. State of Lake Ontario: 2003-2018 CSMI overview
19. Large lakes' response to climate: Past, present, and future
20. Physical ecology in large lakes and their watersheds
21. Nutrient Sources, transport, and internal cycling
22. Oxygen cycling and hypoxia: Processes, impacts, and management

HABs and Nutrients

23. Harmful algal blooms: From ecosystem drivers to ecosystem impacts
24. Harmful algal blooms (HABs) and their toxicity: Remote sensing and modeling approaches
25. Beyond the edge of the field: Mitigating the impacts of nutrient pollution on HABs

Integration of Science and Management

26. Application of genomic tools to inform management of the Great Lakes
27. Ecosystem-based management: Challenges and opportunities on the Great Lakes' coasts
28. Building an early warning system for the Great Lakes
29. Connecting management needs and science information
30. A regional science-based strategy for assessing impacts from water uses
31. A possible new paradigm to improve the International Great Lakes' datum and its maintenance
32. Systems practice: A solution to address "wicked" problems?

Specific Lakes and Places

33. Interacting threats on the African Great Lakes
34. Finger Lakes water quality
35. The Erie Canal: An interdisciplinary approach
36. Hydraulics, hydrology, and human interactions in the Lake Champlain/Richelieu River basin

Remote Sensing, Networking, and Modeling

37. Smart lakes: real-time monitoring, networks
38. Improving model predictions through coupled system and data assimilation
39. Remote sensing, visualization, and spatial data
40. Seeing below the surface

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Trophic Food Web: Dynamics, Function, and Technology

41. Imperiled species in the Great Lakes basin: Identifying threats and restoring populations
42. Invasive species
43. Spatial dynamics in the pelagia of large lakes: Technological advances and applications
44. Cross-Lake comparisons: Frameworks for understanding ecosystem change
45. Exploring predator-prey dynamics and feeding ecology in the Great Lakes
46. Great Lakes lower trophic level community dynamics
47. Mud, macrofauna, and microbes: Benthic organism-abiotic interactions at varying scales

Watersheds, Groundwater, Tributaries, and Coastal Issues

48. Soil health: Role of nutrients losses from agricultural sites
49. Great Lakes tributaries: Connecting land and lakes
50. Application of simulation models in watershed science and lake ecology
51. Coastal resilience in the face of change
52. Furthering interdisciplinary urban groundwater quality and urban sustainability research
53. Watershed and lake science informing management

Wetlands and Reefs

54. Great Lakes' coastal wetlands: Innovative research to improve restoration
55. Wetland restoration in the Great Lakes: Research and innovation
56. Great Lakes' reefs: Research, monitoring, creation, and maintenance
57. Linking human well-being, quality of life, and ecosystem services to conservation efforts

Other topics

58. General Contributions

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