Call for Abstracts

International Association for Great Lakes Research
60th Annual Conference on Great Lakes Research
May 15-19, 2017

Deadline: Friday, January 13, 2017

Submit online at iaglr.org/iaglr2017/abstracts

We invite you to participate in the 60th Annual Conference on Great Lakes Research, to be held May 15-19, 2017, at Cobo Center in Detroit, Mich. Seventy sessions have been proposed to complement the theme *From Cities to Farms: Shaping Great Lakes Ecosystems.*

We welcome abstract submissions for both oral and poster presentations.

All oral presentations will be scheduled for Tuesday, May 16, through Friday, May 19. Posters will be given a high profile on Wednesday evening and made available for viewing throughout the week.

Abstract Submission
All abstracts must be submitted via the IAGLR website: iaglr.org/iaglr2017/abstracts. Refer to the website for details, including descriptions of proposed sessions and contact information for session chairs. A $50 fee is required for each abstract submitted and will be credited toward your conference registration fees when you register for the conference in spring 2017.

Abstract Content
Abstracts should describe results and the relevance of the research being done, clearly addressing the implications of the research for advancing our knowledge or the effectiveness of policy. Please write your abstract for a general audience and note character limits. For complete details please review the website.

Questions?
If you have any questions, please contact one of the conference program chairs at 17programchairs@iaglr.org:

Donna Kashian	Catherine Riseng	Mary Bohling
Wayne State University	University of Michigan	Michigan Sea Grant
(313) 577-8052	(734) 763-9422	(734) 720-7689

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

Proposed Sessions

Aquatic Invasive and Nuisance Species in the Great Lakes

1. Advances in understanding and management of non-native species along the invasion curve
2. Binational and regional cooperation on invasive plant management - the case of Phragmites
3. Disease and pathogens of the Great Lakes and freshwater ecosystems
4. Pathways for invasions into the Great Lakes: Detection, monitoring, and new technology
5. Physiology and ecology of dreissenid mussels: Adaptation, impacts, and control
6. The ecological and managerial impacts of Round Goby impacts across the Great Lakes

Areas of Concern in the Great Lakes

7. Restoring Great Lakes Areas of Concern
8. Thirty years of progress in cleaning up U.S. and binational Areas of Concern
9. Using ecosystem recovery of the St. Clair - Detroit River System to reshape riparian urban

Benthic Biology and Ecology

10. Invasive benthic species: Ecology, impacts, and management
11. Understanding drivers of benthic community condition in the Laurentian Great Lakes

Fisheries and Fishery Management

12. A tribute to Jim Diana and his influence on Great Lakes research and management
13. Great Lakes fish and fisheries
14. Lessons learned and new tools for aquatic habitat restoration
15. (Removed)
16. Modeling fish responses to changing habitat

Genomics, Microbiology and Emerging Technologies

17. Advances in molecular methods and their Impact on management of the Great Lakes
18. Application of trophic markers in aquatic ecology
19. Relevance of bacterial, archaeal, and viral dynamics to Great Lakes ecosystem processes

Governance, Education and Outreach

20. Citizen science datasets reveal drivers of spatial and temporal variation for anthropogenic litter on Great Lakes beaches
21. Economic benefits of ecosystem changes
22. Freshwater, fresh Ideas: Great Lakes research and innovative industries
23. From farm to city: How the blue economy can support a healthy and sustainable Great Lakes
24. Great Lakes outreach and education
25. #SocialGreatLakes: Communicating Great Lakes science through social media
26. Teaching undergraduate science through Great-Lakes-focused research: SENCER approach
27. Urban field experiences for research and education

Monitoring, Modeling and Analysis

28. Connecting researchers to CSMI through IAGLR
29. Discoveries, trends, and implications of chemicals in the Great Lakes
30. Ecological connections in Lake Superior: Insights from the 2016 CSMI intensive field year
31. Fitting dynamic models to time-series data
32. How do we get there from here? Application of models to inform water quality management
33. Improving model predictions through coupled system and data assimilation
34. Prediction/estimation methodologies for sediment accumulation in the Great Lakes watershed
35. Real-time monitoring of source water quality
36. Regional water management: Development and application of modeling and data for decisions
37. Towards development of a Great Lakes early warning system
38. Using bioindicators to monitor ecological responses and restoration success
39. Water quality modeling in transboundary lake and river systems

Nutrients, HABs and Emerging Contaminant Stressors in the Great Lakes

40. Emerging contaminants and endocrine disruptors in the Great Lakes
41. Harmful Algal Blooms (HABs) from watershed influence to ecosystem effects
42. Lake Erie Harmful Algal Bloom research initiatives: Field to faucet and beyond
43. Legacy and emerging pollutants in the Great Lakes basin
44. Nutrient sources, transport and retention across scales: Measurement, modeling and management
45. Plastics research in the Great Lakes: Identifying gaps and facilitating collaboration
46. The new age of ballast water management in the Great Lakes
47. The science and policy of multiple stressors and cumulative effects in the Great Lakes
48. Thiamine deficiency in the Great Lakes - A recurring issue

Physical Processes and Limnology

49. Big lakes - small world: IAGLR teams with the European large lakes Symposium in 2018
50. Insights into mechanisms of ecological change from cross-lake comparisons
51. Interactions between groundwater and surface water in the Huron to Erie corridor
52. Not all Great Lakes are Laurentian! The diversity of large lakes from around the globe
53. Physical coastal processes - Where did the sand go?
54. Physical processes in lakes
55. The physical systems of large lakes at seasons to millennia

Remote Sensing and Detection Techniques

56. Application of emerging tech to collect observation at unprecedented time and space scales
57. Big data for Great Lakes decision-making
58. Bottom mapping in the Laurentian Great Lakes: Physical, biological and cultural features
59. Building observational capacity
60. Great Lakes acoustic telemetry - From ecology to the restoration and management of fishes
61. Innovative observations for Great Lakes research
62. Providing early warning to stakeholders through model forecasts and observations
63. Remote sensing, visualization, and spatial data applications for the Great Lakes

Rural and Urban Planning and Ecology

64. Elimination of chlorine disinfection in Detroit River plants
65. Green infrastructure in Detroit - The challenges of monitoring
66. Keeping it flowing: Science and research in connecting channels of the Great Lakes
67. Lessons from the frontiers in science for nutrient reduction from agriculture in the WLEB
68. Protecting and restoring urban watersheds: Using green infrastructure to reduce urban runoff
69. Socio-ecological dynamics of post-industrial urban environments

General Contributions

70. General Contributions