



18TH INTERNATIONAL CONFERENCE ON AQUATIC INVASIVE SPECIES

April 21 to 25, 2013
Sheraton-on-the-Falls
Niagara Falls, Ontario, Canada

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ICAIIS

Hosted by



Invasive
Species
Centre

The introduction and spread of invasive species in freshwater and marine environments is a worldwide problem that is increasing in frequency.

There are various pathways by which non-indigenous invertebrate, fish, and plant species are introduced, become established and cause significant damage to coastal and freshwater ecosystems, and to the economies that depend upon them. Next to habitat loss, invasive species are considered the greatest threat to native biodiversity.



The Invasive Species Centre is hosting the 18th International Conference on Aquatic Invasive Species that will be held in Niagara Falls, Ontario, Canada, April 21-25, 2013.

This conference series is widely considered the most comprehensive international forum on aquatic invasive species and continues to evolve to address new and emerging issues.

Sessions and presentations include the review of accumulated scientific knowledge; presentation of the latest field research; introduction of new technological developments for prevention, monitoring and control; discussion of policy and legislation; and mechanisms to raise awareness with the general public through education and outreach initiatives.

In recent years the conference has typically involved over 400 participants from over 30 countries, representing academia, industry, government agencies, NGOs and other stakeholders involved in the issues. Many are seeking opportunities for international cooperation and collaboration to address AIS issues from a global perspective.

Call for Abstracts

The Technical Program Committee invites the submission of 500-word (maximum) abstracts of presentations and posters relevant to the focus of the conference. Abstracts are to be submitted using the online submission form on the Conference website. The deadline for submissions is September 19, 2012. See the conference website (www.icaais.org) for details regarding preparation and submission of abstracts.

Call for Special Sessions and Workshops

Subject-matter experts who are interested in organizing special sessions or workshops focusing on a specific AIS topic relevant to the Conference, are invited to submit outlines for consideration by the Technical Program Committee. The outlines must include a 500-word (maximum) description of the proposed special session or workshop, a list of the proposed speakers, and the focus of their presentations. Outlines are to be submitted before September 19, 2012.

Topic Areas

Suggested topic areas include, but are not limited to, the following.

Emerging Invasion Threats

- Climate change and the potential for new species introductions and establishment
- Balancing the negatives and positives of AIS in risk assessments
- What else is on the horizon?

Canals as Vectors of AIS

- Intercontinental connectivity of rivers by shipping canals
- Past, present, and future invasion of AIS through canals
- The biology and mitigation of dispersal

Global Trade and the Risk of New Invasions

Shipping

- Research
- Risk, Policy and Programs
- Ballast water treatment systems and management practices
- Hull fouling

Other pathways for AIS introductions

- Global trading patterns
- Aquaculture and live food-fish industry
- Water garden industry
- Pet trade industry
- Recreational boating
- Live bait

Early Detection and Rapid Response

- Monitoring and rapid response to new invaders
- Developing and implementing effective management plans and programs

Policy, Programs and Legislation

- International cooperation on policy development

Ecological and Ecosystem Impacts

- Ecosystem Restoration and Remediation
- Preserving native biodiversity
- Inland lakes
- Regions at risk
- Pathogen introductions and impacts
- Habitat/ecosystem changes
- Nutrient cycling
- Blue-green algal blooms

Socio-Economic Impacts

- Bio-economics of Invasive Species
- Invasive species and human health
- Economic impacts of invasive species

Scientific Data Exchange

- Data coordination and database compatibility
- Addressing data needs for early warning and detection
- Data interpretation and response

Education and Outreach

- Effective education and outreach programs
- Local monitoring initiatives
- Raising awareness at the political and decision-making levels
- Volunteerism, stewardship and other grassroots initiatives

VHS in the Great Lakes

- Current and Prospective Status
- Lessons Learned

Research Towards Innovative Management Techniques for Industrial and Non-Industrial Settings

- Measures for widespread AIS (e.g., biotic resistance, species vs ecosystem-oriented measures)
- Barrier technologies
- Harvest of invasive species
- Biological control
- Chemical control
- Non-chemical control

Species of Interest

Dreissenids

- *Dreissena polymorpha* (zebra mussel)
- *Dreissena bugensis* (quagga mussel)
- *Limnoperna fortunei* (golden mussel)

Fishes

- Asian carp
- Gobies
- Eurasian ruffe
- Lionfish
- Snakehead

Aquatic Plants

- *Lythrum salicaria* (purple loosestrife)
- *Pistia stratiotes* (water lettuce)
- *Eichornia crassipes* (water hyacinth)
- *Hydrilla verticillata* (hydrilla)
- *Stratiotes aloides* (water soldier)
- *Miriophyllum aquaticum* (parrotfeather)
- *Didymosphenia geminata* (rock snot)
- *Trapa natans* (water chestnut)

Crustaceans

- *Bythotrephes cederstroemi* (spiny waterflea)
- *Cercopagis pengoi* (fishhook waterflea)
- *Eriocheir sinensis* (Chinese mitten crab)
- *Carcinus maenas* (European green crab)
- *Dikrogammarus villosus* (killer shrimp)

Air Travel

Niagara Falls is easily accessible from both the Buffalo International Airport in Buffalo, New York and Pearson International Airport in Toronto, Ontario. See the ICAIS website for additional travel information.

Niagara Airbus provides regular daily shuttle service from both airports directly to the hotel. Details are on the ICAIS website.

Hotel Accommodation

The Sheraton-on-the-Falls is the official Conference hotel and is offering Conference participants the rate of CAD\$129.00 (plus applicable taxes) for Cityview rooms single/double occupancy and CAD\$169 (plus applicable taxes) for Fallsview rooms, single/double occupancy.

Guest room rates include a reduced rate for round-trip transportation with Niagara Air Bus from either the Buffalo or Toronto airports. Details are on the ICAIS website.

Student Accommodation

Special arrangements have been made for student accommodation at the Skyline Inn, a sister property of the Sheraton-on-the-Falls. Students should contact the Conference Administrator for details.

Conference Registration

The early registration deadline for the conference is **February 15, 2013**.

Please complete the form at the back of this brochure, or on-line through the Conference Web site, and send payment by cheque or money order in \$CAD payable to **ICAIS**.

Send payment to:

Elizabeth Muckle-Jeffs

Conference Administrator

1027 Pembroke Street East, Suite 200
Pembroke ON K8A 3M4 Canada

T: North America: 1-800-868-8776

T: International: (01) 613-732-7068

F: (01) 613-732-3386

E: elizabeth@theprofessionaledge.com

W: www.icaiss.org

To pay by Visa or MasterCard please contact the Conference Administrator and provide the information by telephone, or send the completed form by fax to the number indicated above.

Please note that for currencies other than \$CAD, the rate will be converted to the currency of the card at the applicable exchange rate at the time the transaction is processed.

Refund Policy

Registration fees are refundable, less a \$50 administration fee, provided that written notification of cancellation is provided to the Conference Administrator at the address indicated above by March 16, 2013. Refunds will not be issued until after the conference.

Registration Form

Please complete this form, enclose payment in full by cheque in \$CAD funds, payable to **ICAIS**, and mail to:

**18th ICAIS
Conference Administrator
1027 Pembroke Street East, Suite 200
Pembroke ON K8A 3M4 Canada**

You may also pay by Visa or MasterCard by completing the credit card payment information indicated below and faxing to 613-732-3386.

Name		
Title	Organization	
Address	City	Province/State
Postal/Zip Code	Country	
Tel	Fax	Email
Payment Method: Cheque <input type="radio"/> Visa <input type="radio"/> Mastercard <input type="radio"/> Visa/Mastercard Number		
Cardholder's Name	Expiry Date	Cardholder's Signature
Dietary Restrictions or Special Accommodations		

Privacy Policy: Please indicate by checking the appropriate box to confirm whether or not you accept to have your name, organization and e-mail address included in the Conference Participants list that will be provided to all participants.

Yes
 No

Registration Fees

Speaker/Poster Presenter/Session Chair CAD \$400 + \$52 HST = \$452.00
 Conference Participant CAD \$500 + \$65 HST = \$565.00
 Full-time Student/Retiree CAD \$300 + \$39 HST = \$339.00

Total \$

Registration fees include participation in all sessions, registration materials, luncheons each day and a networking reception.

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