



Marine Renewables Canada
2026 Conference & Exhibition:
Powering Canada's Clean Energy Future



Ottawa, Ontario | November 17-19, 2026

Research & Technical Program Track - Call for Abstracts

In partnership with



RESEARCH & TECHNICAL PROGRAM TRACK AT MRC2026 – CALL FOR ABSTRACTS

After the strong success of the Research & Technical Track in 2025, we are pleased to announce its return to the Marine Renewables Canada 2026 Conference & Exhibition in Ottawa (November 17–19, 2026).

This track will showcase innovation, technical expertise, and real-world project experience driving progress in offshore wind, tidal, wave, and river-current energy.

MRC invites abstract submissions (oral presentations only) from researchers, innovators, and industry experts to present cutting-edge research, solutions, and insights to an international audience focused on advancing marine renewable energy in Canada.



Conference schedule at a glance:

Tuesday, Nov 17

Member Workshops,
International
Roundtable, &
Member Reception

Wednesday, Nov 18

Industry & Technical
Sessions, Exhibition,
Welcome Reception

Thursday, Nov 19

Industry & Technical
Sessions, Exhibition,
Post-conference Mixer

TRACK THEMES

MRC encourages submissions across a wide range of research and technical topics that demonstrate innovation, enabling research, solutions to existing challenges, and advancements in the marine renewables industry.

Presentations should focus on research covering offshore wind, tidal, wave, and river current energy, or a topic related to supporting the advancement of those technologies/sub-sectors (e.g. green fuel production, energy storage, etc.).

Following is a list of cross-cutting themes and examples of technical / research topics that could fall under those themes. This list is not exhaustive or limiting, but intended to help guide submissions to focus on priority issues of the sector.



- Will guide tidal energy developer's EEM risk monitoring
- Will aid regulators in their reviews of project authorization applications and monitoring reports
- Will also serve as a resource for
 - ongoing research on monitoring at tidal sites
 - education and training
 - reducing misinformation



FERN
ENERGY RESEARCH NETWORK

**HALIFAX
CONVENTION**

TRACK THEMES

1. Technology and Innovation

- Advancements in tidal, wave, and offshore wind (including floating and deepwater solutions) technologies
- Economic viability and scalability of technologies
- Next-generation materials and novel coatings for improved durability and efficiency
- Control systems and optimization techniques
- Hybrid energy systems
- Innovations in component manufacturing for offshore environments
- Recycling and sustainability of devices

2. Environmental and Ecosystem Impact Considerations

- Assessing the effects of marine renewable energy on marine ecosystems (e.g. approaches, technologies, etc.)
- Noise, vibration, and electromagnetic field management
- Marine spatial planning and marine renewable energy project siting
- Mitigation strategies for wildlife protection (e.g., fish, bird, bat, and marine mammal interactions), marine biodiversity, and habitats

3. Energy Production, Storage, and Grid Integration

- Grid connectivity and integration
- Offshore power transmission technologies and solutions
- Energy storage and balancing solutions (e.g. batteries, hydrogen)
- Energy transmission technologies (subsea cables, HVDC, etc.)
- Marine renewable energy electricity system attributes (flexible, predictable, consistent, etc.)
- Smart grids and marine renewable energy integration into existing energy infrastructure
- Marine renewable energy's role in meeting decarbonization goals

TRACK THEMES

4. Operation, Maintenance, and Reliability

- O&M strategies and cost reduction
- Reliability of device components and technologies
- Design and optimization of devices and systems
- Remote monitoring, predictive maintenance, and condition-based maintenance
- Safety standards and risk management in offshore wind operations
- Vessel and logistics innovations
- Safety and risk management

5. Data, Modeling, and Simulation

- Data-driven approaches for resource assessment
- Advanced modeling and simulation techniques for device performance
- Environmental monitoring and data collection methods
- AI and machine learning for optimizing project design and operation
- Big data analytics for improving efficiency and reducing costs
- Resource mapping

6. Social Considerations and Coexistence

- Socioeconomic impacts
- Considerations for integration of marine renewable energy systems in remote, coastal and Indigenous communities
- Co-existence and cooperation with other ocean users and uses
- Environmental justice and inclusivity

SUBMISSION GUIDELINES

- **Abstract Length:** Abstracts should be no longer than **300 words**.
- **Research Based:** Abstracts must be based on research that has been conducted or is underway. Other sessions of MRC2026 will provide presentation opportunities that are broader in scope (i.e., not focused on research outcomes).
- **Submission Deadline:** All abstracts must be submitted by **11:59 p.m. AT on May 15, 2026**.
- **Submission Format:** Abstracts must be submitted through this platform [LINK](#).
You will be asked to include:
 - Title of the presentation
 - Name(s) of author(s), affiliation(s), address
 - Abstract description (up to 300 words)

(Please do not upload full papers or documents as they will not be used for the review process.)

- Focus area (offshore wind, tidal, wave, river current)
- Theme (one of the 6 themes above or “other”)
- Biographies (up to 150 words per speaker) of all proposed presenters (included in one document for upload)
- Keywords (5 or more) related to the technical/research topic (choose from the topics listed above or suggest others)

If you have any questions, please contact Amanda White, Senior Director, Operations at amanda@marinerenewables.ca or 902.717.0716

marinerenewablesconference.ca

REVIEW PROCESS

Abstracts will be reviewed by a committee of industry experts based on relevance, innovation, technical depth, research quality, clarity, and impact. Accepted abstracts will be invited to deliver full oral presentations at the conference.

Milestone	Key Date
Abstract Submission Deadline	May 15, 2026
Abstract Review Period	June 1 – June 26, 2026
Abstract Selection Completed	July 10, 2026
Notify Abstract Submitters	week of July 13-17, 2026
Final Program Published	August 28, 2026

