



IEEE CAOS 2026

The 1st IEEE Canadian Atlantic Ocean Symposium

Technically Sponsored by
IEEE Oceanic Engineering Society

Financially Co-sponsored by
IEEE Canada Atlantic Section, IEEE New Brunswick Section & IEEE
Newfoundland and Labrador Section

July 20-22, 2026, Halifax, Nova Scotia Canada

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Call for Papers

Celebrating Decades of Innovation at the Ocean Frontiers

The 2026 IEEE Canadian Atlantic Ocean Symposium (IEEE CAOS 2026) will be held in Halifax, Nova Scotia Canada, July 20-22, 2026, which offers a medium for researchers and practitioners to exchange and explore the issues and opportunities of interest of the IEEE Oceanic Engineering Society, which encompasses all aspects of science, engineering, and technology that address research, development, and operations pertaining to all bodies of ocean. This includes system design and testing, and operational systems to sense, explore, understand, develop, use, and responsibly manage of the ocean. All submitted papers will be peer reviewed and accepted IEEE CAOS 2026 papers will be indexed by **EI** and included in **IEEE Xplore**. Papers are invited, in English, for the following symposia.

1. AI application in Ocean Science & Technology

Chairs: Qiang Ye, *Dalhousie University*

2. Climate Change

Chairs: Cheng Li, *Simon Fraser University*
David Barclay, *Dalhousie University*

3. Under Water Target Localization and Tracking

Chairs: Mae Seto, *Dalhousie University*
Bruce Martin, *JASCO*

4. Hydro Acoustics

Chairs: Len Zedel, *Memorial University of Newfoundland*
Jinshan Xu, *DFO/MPO*

5. Signal Processing

Chair: Xianta Jiang, *Memorial University of Newfoundland*

6. Marine Robotics and Control

Chairs: Mae Seto, *Dalhousie University*
Rickey Dubai, *University of New Brunswick*
Trung Ngo, *University of PEI*
Yunxiang Sun, *City University of Hongkong*

7. Naval Architecture

Chairs: Heather Peng, *Memorial University of Newfoundland*

8. Ocean Engineering and Marine Technology

Chairs: Len Zedel, *Memorial University of Newfoundland*
Andy Simoneau, *University of New Brunswick*

9. Marine Electronics, Devices and Systems

Chairs: Kamal El-Sankary, *Dalhousie University*
Lihong Zhang, *Memorial University of Newfoundland*

10. Ocean Sensing & Networks

Chairs: Mae Seto, *Dalhousie University*

11. Renewable Energy/Wind/Hydrogen

Chairs: Hamed Aly, *Dalhousie University*
Mathew Yao, *University of New Brunswick*

12. Underwater Communications

Chairs: Jean-Francois Bousquet, *Dalhousie University*
Jay Patel, *Dalhousie University*

13. Hydrography

Chair: MacAulay Phillip, *DFO/MPO*

14. Arctic Applications

Chair: Stephane Blouin, *DRDC*

15. Ocean Decade

Chair: Chris Whitt, *Whitt Consulting*

16. Digital Twin in Oceans

Chairs: Rickey Dubai, *University of New Brunswick*
Andy Simoneau, *University of New Brunswick*

17. Ocean Transportation

Chair: Yunxiang Sun, *City University of Hongkong*

All submissions are **6 page length** (or up to 8 page with extra page charge) including papers,

proposals of invited sessions should be completed via the website: <https://www.ieee-caos.org>

March 1, 2026 Submission of full papers in PDF and organized session proposals

March 1, 2026 Submission of tutorial and workshop proposals

April 1, 2026 Notification of paper acceptance

May 1, 2026 Submission of final camera-ready papers

<https://www.ieee-caos.org>