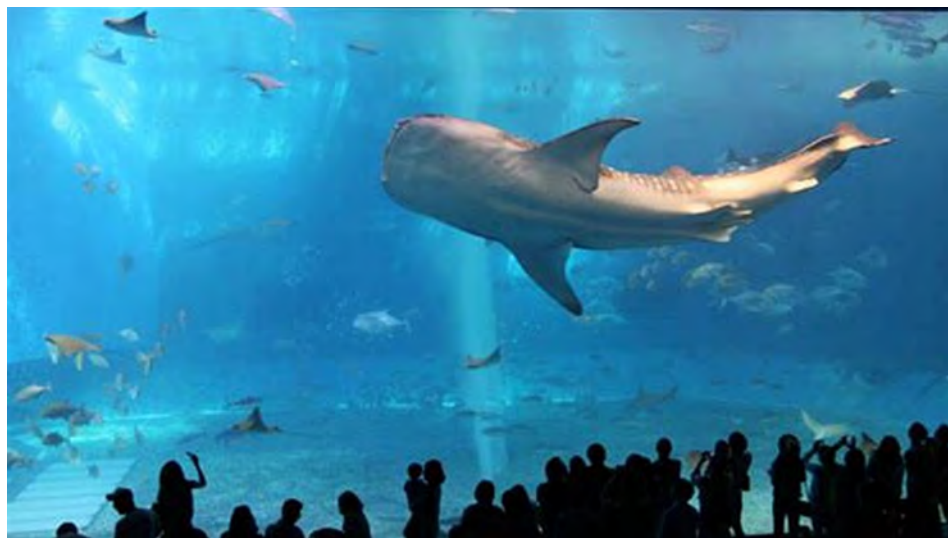


CANADIAN OCEAN SCIENCE NEWSLETTER
LE BULLETIN CANADIEN DES SCIENCES DE L'OcéAN

Newsletter Number 138, September 2024
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Red Ships in the Arctic

Ron Macnab Geological Survey of Canada (Retired)
Prepared September 1, 2024

Note added by COSN Editor: Ron wanted to make it clear that he has not covered the many ships from Europe or the military presence which could expand to a much different conversation.

Ron invites comments: ron.macnab@ns.sympatico.ca

This overview was prepared In an effort to clarify the status of new or impending vessels for service in the Coast Guard of Canada, and to highlight the presence of American and Chinese vessels in the Arctic Ocean. The reference to 'Red' in the title acknowledges the hull colour of vessels that are generally staffed by civilian crews, and which may operate in ice-covered waters. The information presented here was extracted from several Web posts. Readers are asked to report errors of fact or interpretation.

CCGS JACQUES CARTIER



The CCGS Jacques Cartier is an Offshore Fisheries Science Vessel equipped to support scientists in the collection and analysis of data on Canada's marine ecosystems and the impacts of climate change. The vessel features a full suite of state-of-the-art systems, including high-tech fishing trawls and four science labs. In addition to performing key science work, this vessel also performs other essential services such as search and rescue, environmental response, maritime security, and humanitarian missions. Jacques Cartier will operate out of BIO.

For more information, visit:

<https://www.canada.ca/en/canadian-coast-guard/news/2022/08/canadian-coast-guard-welcomes-the-ccgs-capt-jacques-cartier-into-service.ht>

CCGS NAALAK NAPPAALUK



Launched on August 17 at the Vancouver Shipyards and slated for delivery in 2025, this Offshore Oceanographic Science Vessel is the long-awaited Hudson Replacement. It is named after respected Inuk Elder Naalak Kappaaluk, a renowned leader, harvester, teacher, consultant, navigator, astronomer, and meteorologist. Able to accommodate up to 34 crew and 26 scientists, the vessel will be based at BIO. It is equipped with a deck that will swap out different equipment modules based on mission requirements, a marine mammal observation station, an ocean sampling room, multiple labs, and state-of-the-art equipment for collecting and analyzing information to better understand our ocean ecosystems. When needed, the vessel will also support search and rescue operations and environmental response. For more information, visit: <https://www.canada.ca/en/canadian-coast-guard/news/2024/08/canadian-coast-guard-celebrates-the-launch-of-the-new-offshore-oceanographic-science-vessel.html>

ARCTIC AND OFFSHORE PATROL SHIPS



Model of Canadian Coast Guard's new Arctic and Offshore Patrol Ship, incorporating design elements copied from the Canadian Navy's Arctic and Offshore Patrol Ship. Construction of two vessels began in August 2023 at the Irving Shipyard in Halifax, with delivery expected in 2026 and 2027. The ice-capable ships will be dedicated to a range of critical missions, including North Atlantic Fisheries Organization (NAFO) patrols, as well as primary conservation and protection enforcement on Canada's east coast into the low Arctic. They will replace two existing Canadian Coast Guard offshore patrol vessels.

For more information, visit:

<https://www.canada.ca/en/public-services-procurement/services/acquisitions/defence-marine/national-shipbuilding-strategy/projects/large-vessels/arctic-patrol-coast-guard.html>

USCGS HEALY



An electrical fire in a transformer forced USCGC Healy (WAGB-20), one of two American icebreakers, to cancel its Arctic mission on July 25. This is the second time in four years that a fire cut Healy's summer mission short. The medium icebreaker had just begun its summer patrol northwest of Alaska in the Chukchi Sea when the fire broke out, affecting one of the ship's two main propulsion motors. Healy is sailing under its own power, however repair will prove difficult because "much of the machinery aboard is antiquated and parts may no longer be available," Coast Guard Adm. Kevin Lunday reported. The 27-year-old icebreaker headed south to its home port of Seattle for repairs, with a stop in Dutch Harbor along the way. It was due to arrive in Seattle on August 14. "If Healy can't continue that patrol, the U.S. will have no icebreakers in the Arctic this summer," Lunday added. For more information, visit:

<https://news.usni.org/2024/08/14/coast-guard-cancels-icebreaker-healys-arctic-mission>

XUE LONG 2 (SNOW LEOPARD 2)



Xue Long 2 is China's first domestically-built polar icebreaker. Constructed in less than three years at the Guangzhou Shipyard International, the vessel is operated by China's State Oceanic Administration. Comparable in size and capability to Healy, the vessel passed through the Bering Strait in early July of this year and spent more than two weeks in the Chukchi and Beaufort Seas north of Alaska, before continuing its voyage into the Central Arctic Ocean. Meanwhile, two other Chinese icebreakers entered the Arctic Ocean on separate missions.

For more information, visit: <https://gcaptain.com/china-dispatches-three-icebreakers-to-arctic-u-s-without-presence-in-region-after-healy-fire/>

2024 NEPDEP wrap-up video

In the July [Newsletter](#), we featured the ROPOS team winning the J.P. Tully Medal. Here is a good example of the use of ROPOS from NEPDEP's [YouTube video](#).

From the YouTube text: The 2024 NEPDEP (Northeast Pacific Deep-sea Exploration Project) expedition has wrapped up after 3 weeks offshore of Haida Gwaii and Vancouver Island, in British Columbia, Canada. Our science team uncovered compelling new evidence that strengthens the case for existing and future protection of the extraordinary deep-sea ecosystems. We explored never-before-seen regions of the Marine Protected Areas (MPAs) at the Queen Charlotte glass sponge reefs and SGáan Kínghlas-Bowie seamounts, and ventured into the uncharted and unexplored proposed MPAs offshore of Haida Gwaii. The unexpected discoveries and personal encounters with deep-sea animals have left scientists and the global public speechless. The NEPDEP expedition and science were co-created by Fisheries and Oceans Canada, the Council of



Screen grabs from the 2024 NEPDEP wrap-up video

the Haida Nation, Nuu-chah-nulth Tribal Council, and Ocean Networks Canada. It is a United Nations Ocean Decade-endorsed project and the research will contribute to our understanding of the deep through the Challenger 150 initiative.

Among the most remarkable findings: We mapped the heat flow from the surrounding area to an underwater volcano's summit, offshore of Haida Gwaii, where venting water is providing a warm and safe environment for millions of skate eggs and an oasis of life. We identified the migration route of deep-sea skates, including the giant Pacific White Skate, which travel up the volcano to lay their eggs in this unique habitat. This warm and sheltered nursery is crucial for the eggs' survival, as they require a four-year incubation period. The exploration also revealed that the summit of NEPDEP 58 Seamount (in the Tuzo Wilson complex) is much larger than previously thought and, incredibly, hosts Pacific Canada's first known forest of deep-sea precious corals.



Peter C. Smith (1944-2024)

Contributed by **Blair Greenan, Brian Petrie and John Loder**

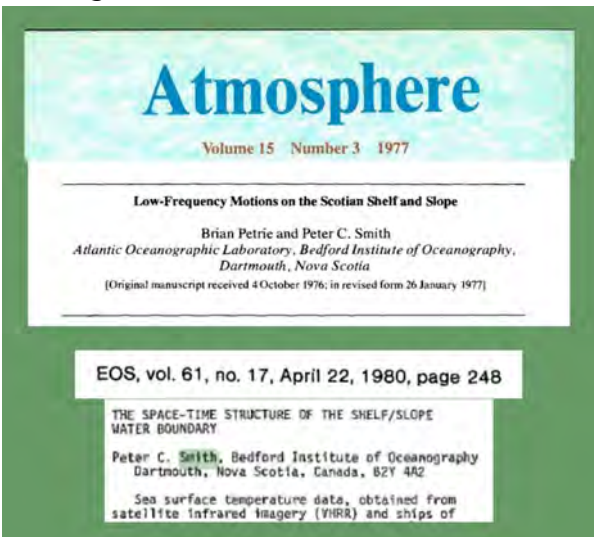
After receiving his PhD from the Massachusetts Institute of Technology (joint with Woods Hole Oceanographic Institution), Peter came to the Bedford Institute of Oceanography (BIO) in 1973 as a postdoctoral fellow. He successfully applied his graduate research centered on bottom boundary currents to an extensive BIO dataset from the Denmark Strait overflow off eastern Greenland. His abilities and enthusiasm were quickly recognized, and he joined BIO's Coastal Oceanography Section as a research scientist, spending his entire career there as a prominent scientist and manager in Fisheries and Oceans Canada (DFO).

Throughout his career, Peter made substantial contributions to improving our understanding of the physical ocean environment of the continental shelves surrounding Atlantic Canada. In particular, his research provided new insights into ocean change and variability of the Scotian Shelf and Gulf of Maine.

Peter was a key collaborator and scientific leader for research projects such as the Fisheries Ecology Program (1982-89), the Canadian Atlantic Storms Program (1985-86 and 1992- 93), and the US GLOBEC (Global Ocean Ecosystem Dynamics) Program (1993-1999).

During most of his career, Peter made significant contributions to science management in the DFO Maritimes Region, initially as a key advisor, and later as Head of the Coastal Ocean Sciences Section (1994-2001) and Manager of the Ocean and Ecosystem Sciences Division (2001-2007), while maintaining an active research program. He served as the program lead for the multi- departmental Offshore Environmental Factors (OEF) Program for PERD (Program for Energy Research and Development), and was a key liaison with the Canadian Coast Guard's Search and Rescue Program. He was appointed to the Board of Directors for the US-led GoMOOS (Gulf of Maine Ocean Observation System) and NERACOOS (Northeast Regional Association of Coastal Ocean Observing Systems) networks.

Two of Peter's early pioneering works (from [CMOS Archives](#))



and management, he was the 2013 recipient of the J.P Tully Medal in Oceanography awarded by the Canadian Meteorological and Oceanographic Society.

Peter excelled in a wide variety of contributions to BIO and Canada, through his research and leadership, mentoring and encouraging younger scientists, building collaborations, and actively participating in conferences, workshops and seminars. Although Peter retired from BIO in 2012, he remained active scientifically and influential until his health deteriorated. His positive attitude, energy, enthusiasm and inquisitiveness will be long remembered, as will be the lasting impact of his contributions to ocean science in Canada and the US Northeast.



Peter received the J.P. Tully Medal at the 2013 CMOS Congress (from [CMOS Archives](#))

ATOMIX

Analysing Turbulence Ocean MIXing observations (SCOR WG #160)

The [ATOMIX SCOR working group](#) was formed in 2020 to develop best practices for estimating the rate of dissipation of turbulent kinetic energy, ϵ , from ocean observations. This fundamental quantity governs the redistribution of heat, salt, nutrients, and other tracers throughout the water column. Direct measurements of ϵ remain scarce in the ocean, but they are becoming increasingly common as commercially produced instruments have matured and are being deployed on a variety of platforms. While such measurements are invaluable for advancing our understanding of ocean mixing processes, the methods to calculate ϵ have remained inconsistent between researchers and are a bit of an “art”.

To try to demystify the analysis of turbulence measurements, the working group of 20 members has been divided into three subgroups, each focusing on a specific instrument type: shear probes, point velocity sensors (e.g. ADVs) and velocity profilers (e.g. ADCPs). Each subgroup has been analyzing benchmark datasets that represent a range of turbulence levels from quiescent lakes to energetic tidal channels. The analysis has led to the development of standardized processing steps and quality control guidelines. The results, including the benchmark datasets, are being published through a collaborative, living [wiki-platform](#) and in several papers, two of which have already been published^{1,2}. The group is also preparing free short introductory videos to explain the work of the ATOMIX group, and how to access and use the wiki and the benchmark datasets. The group had its last in person meeting in Boston in June 2024 and hopes to wrap up its activities within the next year.

The work of ATOMIX has already been instrumental in the addition of turbulent diapycnal fluxes being added as a pilot [Essential Ocean Variable](#) (EOV). Several members of the ATOMIX group contributed to a paper³ highlighting the importance of turbulent flux measurements.

Papers:

- [1] Lueck, R., Fer, I., Bluteau C., et al (2024). “Best practices recommendations for estimating dissipation rates from shear probes”. *Front. Mar. Sci.*, 11. <https://doi.org/10.3389/fmars.2024.1334327>
- [2] Fer, I., Dengler, M., Holtermann, P., et al. (2024), “ATOMIX benchmark datasets for dissipation rate measurements using shear probes.” *Sci Data* 11, 518. <https://doi.org/10.1038/s41597-024-03323-y>
- [3] Le Boyer, A., Couto, N. Alford, M, et al. (2023). “Turbulent diapycnal fluxes as a pilot Essential Ocean Variable”. *Front. Mar. Sci.*, 27. <https://doi.org/10.3389/fmars.2023.1241023>

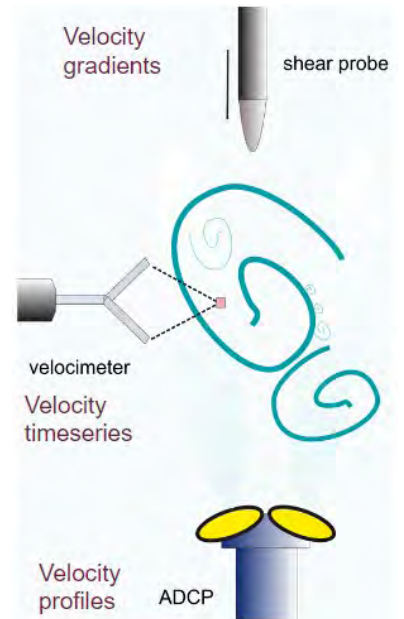
Members:



Co-chairs: Cynthia Bluteau (Canada), Ilker Fer (Norway), Yueng-Djern Lenn (UK)

Other Members: Ryuichiro Inoue (Japan), Arnaud LeBoyer (USA), Rolf Lueck (Canada), Zhiyu Liu (China), Amelie Meyer (Australia), Craig Stevens (New Zealand), Danielle Wain (USA), Marcus Dengler (Germany), Jenson George (India), Peter Holtermann (Germany), Natasha Lucas (UK),

Sarah Nicholson (South Africa), Justine McMillan (Canada), Stephen Monismith (USA), Julia Mullarney (New Zealand), Kirstin Schulz (USA)



MEETINGS

Congrès SCMO 2025 CMOS Congress

May / mai 25-29, Saskatoon, SK

Le congrès a désormais une affiche / The congress now has a poster



[Congress website](#) / [Site Internet du Congrès](#)

Air-Sea Interface

Melbourne, Australia, 13-17 January 2025

Air-Sea-Interface meetings were a series of symposia in the late 20th century, an undisputed success among metocean researchers. They brought together wave, oceanographic and meteorological communities, experts in radio and acoustic remote sensing of interface, but were discontinued after the 1999 ASI in Sydney.

The 2025 ASI Symposium aims to restart the convention. In addition to the traditional topics, it will accommodate 21st century new fields in the ASI research: coupled air-wave-sea-ice systems, metocean climatology, satellite remote sensing of the ocean interface.

[Symposium Website](#)

Deadline Early Bird Registration 15 October 2024

No **abstract deadline** given



GRS-GRC Polar Marine Science

Lucca, Italy, GRS March 8 - 9, GRC March 9 - 14, 2025

GRS *Understanding the Role of Sea Ice in Polar Ecosystem Dynamics*

GRC *Sea Ice as a Nexus in Polar Seas Between the Ocean and the Atmosphere*

The "Polar Marine Science" Gordon Research Seminar (GRS) and the Gordon Research Conference (GRC) are separate events held in conjunction. Those interested in attending both meetings must submit an application for the GRS and for the GRC.

The 2025 **GRS** on Polar Marine Science invites contributions by early career researchers (ECRs) from all fields of polar marine science (marine biology, chemistry, physics, geology, engineering, and related technologies, as well as social sciences) whose work centers around sea ice, its importance for polar ecosystem dynamics, the implications of observed changes for ecosystem functioning and services, and that highlight direct and indirect links between sea ice, ocean, atmosphere and society.



Gordon Research Seminars



The 2025 **GRC** will focus particularly on i) how sea ice shapes the distinct identity of polar oceans and atmospheres in terms of physics, biogeochemistry, and ecosystems; ii) the physical and chemical characteristics at micro- to decameter scale that make sea ice a unique ecosystem; iii) the biodiversity sea ice supports within itself and in the ocean; iv) the evolutionary mechanisms sea ice can promote; and v) what it tells us about the potential for life on the icy moons of the solar system.

Details [GRS](#), [GRC](#)

Deadlines *GRS February 8, GRC February 9, 2025*. Note that you should apply early, as some meetings become oversubscribed (full) before this deadline.

Please send meeting announcements to
David Greenberg,
davidgreenberg@alumni.uwaterloo.ca

SVP faites parvenir vos annonces de réunion à
David Greenberg,
davidgreenberg@alumni.uwaterloo.ca

POSITIONS AVAILABLE

Assistant Professor of Mechanical Engineering

Dalhousie University, Halifax NS

The Department of Mechanical Engineering invites applications for one probationary tenure-track faculty position at the rank of Assistant Professor. The successful candidate's research will align with Nova Scotia's and Dalhousie's research priorities with demonstrated expertise in the area of controls and mechatronics.

Applications from candidates in the field of intelligent controls, mechatronics and robotics are encouraged. Research areas that are of particular interest include:

1. Artificial intelligence/machine learning (development, application, integration), and
2. Autonomous systems, with preference given to applications in marine/ocean engineering, energy systems, manufacturing, and biomechanical.

The candidates must have a Bachelor's Degree in Mechanical Engineering and a Doctorate in Mechanical Engineering (or a Doctorate in a closely related engineering discipline). The successful candidate must be eligible and committed to registration as a Professional Engineer in Nova Scotia.

[Details](#)

Deadline 12/31/2024

More Dalhousie openings:

Chair in Ocean Particle Fluxes [Details](#) , **Deadline** 30/10/2024

Chair Tier 1 in Digital Twin Engineering for Ocean Industries, [Details](#), **Deadline** 10/20/2024

Postdoc, Turbulence parameterization

Leibniz Institute of Atmospheric Physics, Kühlungsborn, Germany

Your Tasks: As part of the DFG research project TRR-181 "Energy Transfers in Atmosphere and Ocean", the turbulence parameterization gDSM (generalized Dynamic Smagorinsky Model for dynamic estimation of the turbulent mixing length) developed at the IAP is to be transferred to the ICON (ICOsahedral Non-hydrostatic) model. For this purpose, the filtering concepts developed for a spectral model must first be applied to the unstructured grid of the ICON model. Subsequently, the tendencies in the dynamic core are to be adapted in order to fully take into account the interaction of the gDSM with the background. The aim is to use properties of resolved gravity wave from these ICON simulations to validate the MS-GWaM and IDEMIX-a gravity wave parameterizations developed in other TRR subprojects. The activity includes among others:

- the independent development, implementation and evaluation of physical concepts and their transfer to an atmospheric model
- the independent performance of suitable simulations with ICON

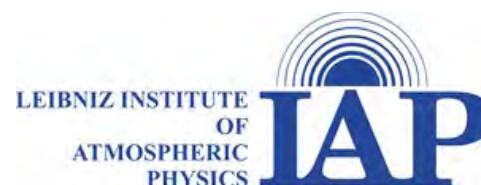
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[Details](#)

Open until filled - Posted at [EGU](#) 20 September 2024



**DALHOUSIE
UNIVERSITY**



Tenure-track Climate Science

University of Pennsylvania, Philadelphia, PA

The Department of Earth and Environmental Science at the University of Pennsylvania invites applications for a tenure-track position in climate science. We seek an innovative scientist who studies climate using novel experimental, observational, big data or other approaches. Research areas include but are not limited to climate modeling, atmospheric science, oceanography, paleoclimatology, global ecology, and climate impacts on Earth/environmental system functions. The anticipated start date for this position is July 1, 2025.



Penn Arts & Sciences
Department of Earth & Environmental Science

The successful applicant will have demonstrated excellence and productivity in research and the potential to excel in undergraduate and graduate teaching and mentorship. Candidates should upload materials to [Interfolio](#) and include: (i) a cover letter, (ii) a CV, (iii) a statement of research experience and current goals, two-page maximum, (iii) a teaching statement to describe teaching experience, planned courses, and plans for recruiting, retaining, and mentoring a diverse student body and research team, two-page maximum, (iv) a short, annotated description of up to five publications and (v) the names and contact information of three referees.

[Details](#)

Review of applicants will begin on November 20, 2024, and continue until the position is filled.

Associate Professor Environmental Data Science

Nanyang Technological University, Singapore

Nanyang Technological University (NTU) Singapore seeks to appoint an Associate Professor in Environmental Data Science to be held jointly in both the Asian School of the Environment (ASE) and the newly established College of Computing and Data Science (CCDS). We encourage applications from researchers who leverage innovative data science methodologies to address pressing environmental challenges and advance our understanding of natural systems. We are particularly keen to recruit applicants whose research includes quantitative analysis of geoscience, climatologically or environmentally relevant observational data. Examples of areas of interest include but are not limited to environmental geochemistry; geophysics: natural hazards; atmosphere, oceans and climate science: remote sensing; ecological modelling; environmental sustainability; and geospatial analysis. The successful candidate will be expected to build and contribute to interdisciplinary research, teaching and leadership within our institution's Environmental Earth System Science and AI programmes.



Applicants must have a Ph.D. or equivalent degree in Earth system science, Environmental science, Computer science, Mathematics, Theoretical Physics or a related field and demonstrated expertise in areas such as artificial intelligence, machine learning, and data science, with a strong track record of research publications and external funding.

[Details](#)

Open until filled - Posted Sept 17 2024.

Looking for work? Try the CMOS site ([click](#)).

Vous recherchez un emploi? Visitez le site SCMO ([click](#)).

GENERAL

On cherche des experts scientifiques externes de la MPO

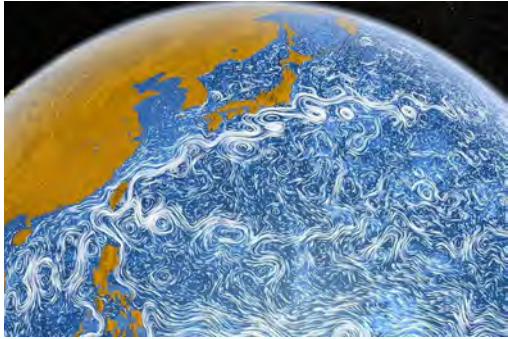
English below

Pêches et Océans Canada procède à un examen scientifique par les pairs et fournit des conseils scientifiques liés au mandat du Ministère par l'intermédiaire du Secrétariat canadien des avis scientifiques (SCAS).



Pêches et Océans Canada

Fisheries and Oceans Canada



Les processus d'examen par les pairs du SCAS comprennent l'examen, l'évaluation critique et la remise en question des renseignements scientifiques par les experts ainsi que des analyses et aident à l'élaboration d'avis scientifiques. Ces processus visent à produire un avis scientifique qui contribue à une prise de décisions objective, impartiale et fondée sur des données probantes.

Afin de garantir un plus large éventail d'experts potentiels pour les réunions d'évaluation par les pairs, le SCAS a lancé le Registre des experts scientifiques externes (RESE). Le RESE est une base de données servant à répertorier les experts externes qui se déclarent prêts à participer aux processus du SCAS. Le RESE facilitera le choix d'experts qui prendront part au processus d'examen par les pairs du SCAS.

Vous êtes invité à vous inscrire au RESE en [cliquant ici](#).

Pour plus de renseignements sur les rôles et les responsabilités des pairs examinateurs, voir le [Guide à l'intention des participants aux réunions d'examen scientifique par les pairs](#). Des conseils supplémentaires sont disponibles sur notre page [Politiques et lignes directrices](#).

Si vous avez des questions ou si vous souhaitez obtenir de plus amples renseignements, n'hésitez pas à communiquer avec le [courriel du RESE](#).



Merci,

Secrétariat canadien des avis scientifiques (SCAS) à Pêches et Océans Canada

Seeking External Science Experts for DFO

Fisheries and Oceans Canada undertakes scientific peer review and provides science advice related to the Department's mandate through the Canadian Science Advisory Secretariat (CSAS).



Fisheries and Oceans Canada

Pêches et Océans Canada



CSAS peer-review processes involve expert review, critical evaluation and challenge of the scientific information and analyses for the development of science advice. CSAS peer-review processes seek to produce science advice for decision-making that is evidence-based, objective and impartial.

To ensure a broader range of potential expertise for peer-review meetings, CSAS has launched the Registry for External Science Experts (RESE). The RESE is a database that serves as a repository of

external experts who self-identify as being willing to participate in CSAS processes. The Registry will aid in the selection of experts for participation in the CSAS peer-review process.

You are invited to register for the RESE [here](#).

More information on the roles and responsibilities of peer reviewers can be found in the [Participant's Guide to Peer Review Meetings](#). And additional information can be found on our [policies and guidelines page](#).

Should you have any questions and/or would like more information, please do not hesitate to reach out to the [RESE email address](#).

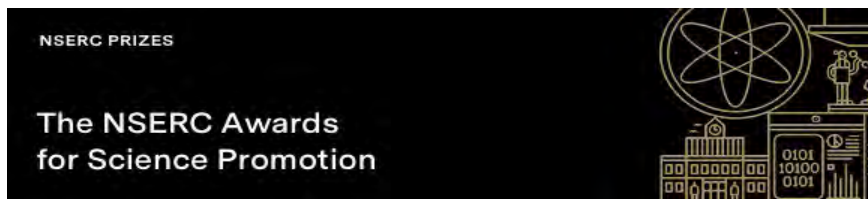
Thank you,

Canadian Science Advisory Secretariat (CSAS) at Fisheries and Oceans Canada



NSERC Prizes - Science Promotion

The NSERC Awards for Science Promotion honour people and groups that are inspirational in the way they promote science to the general public. The Awards are an opportunity for Canada's science community to recognize, support and encourage outstanding science promoters.



The achievements of individual and group recipients of the NSERC Awards for Science Promotion will be celebrated at a public ceremony. Individual recipients will receive a \$10,000 award and group recipients a \$25,000 award. In both cases, the funds are to support further science promotion activities in Canada, and must be used in accordance with the [PromoScience grants guide](#).

Nomination deadline: **November 15 before 8:00 p.m. (ET)**. If the deadline falls on a weekend or federal holiday, your nomination must reach NSERC before **8:00 p.m. (ET)** the following working day.

Science promotion activities with award potential could include activities such as:

- organizing science camps, fairs, clubs or mentorship programs with youth organizations;
- enhancing equity, diversity and inclusion in existing programming;
- creating new learning materials;
- sharing best practices for outreach in science and engineering;
- developing science and engineering-related co-op programs or job shadowing initiatives;
- arranging demonstrations, visits and lectures;
- writing books and articles;
- creating radio or television programs;
- generating public involvement through multi-media programs.

[Nomination Form](#) [Terms and Conditions Form for Nominees](#) [Terms and Conditions Form for Nominators](#)

Call for 2025 ASLO Award Nominations

It is no secret that for many this is a time of increased demands with little return in the way of reward. Yet, as cliché as it might be, spotlighting excellence and significance in achievement in others is an effective way to combat burnout and frustration. [Nominating a colleague for an award through ASLO](#) is a significant gesture with numerous benefits. It offers an opportunity to publicly recognize and celebrate an exceptional contribution to science and promote novel work on a broader platform. Additionally, a nomination can be a mechanism that strengthens professional relationships and networks, as it often involves gathering letters of support and testimonials from other experts in the field. This process can lead to valuable connections and collaborations that benefit both the nominator and their colleague. Finally nominating a colleague fosters a culture of appreciation and support within ASLO, encouraging members to actively engage in recognizing excellence and inspiring future generations of aquatic scientists.



The nomination season for the ASLO awards is open and we would like to encourage you to nominate your peers for one of the following awards. ASLO awards provide opportunities to recognize outstanding individual performance at different career levels, for outstanding publications, and to highlight accomplishments and service to the aquatic science research community and beyond.

ASLO currently has nine awards. More information about criteria for the individual awards can be found at the associated links [here](#).

Deadline October 15. You must be an [ASLO](#) member to submit a nomination.

IOCCG Platt Scholarship

The annual IOCCG Platt Scholarship was established by the International Ocean Colour Coordinating Group (IOCCG) to honour the memory of Professor Trevor Platt (1942-2020), who was a brilliant scientist and a leader in interdisciplinary oceanographic research, with outstanding contributions in the fields of biological oceanography, theoretical ecology and the use of satellite ocean colour data for measuring ocean processes. He played an especially important role in the establishment of the IOCCG, being one of the founding members of the group, and serving as the first Chair for a period of 10 years (from 1996-2006).



One scholarship will be awarded each year at USD \$5000. Applications are open to graduate students and early career scientists (within 5 years of receiving their PhD) who are involved in any aspect of ocean optics and ocean colour research and applications relevant to the IOCCG Objectives. The scholarship offers the opportunity to conduct hands-on research, or to receive in-depth training, at a foreign institute. Funds will be provided to travel to an institute outside of



your home country for a short duration (up to 3 months) to work with experts in the field. Stays of longer than 3 months may be considered if sufficient justification is provided, and if total costs to IOCCG do not exceed USD \$5000 (see scholarship conditions). The research internship can be held in any country apart from the applicant's home country of residence. The scholarship funds are granted on a competitive basis (see Section 3 below).

[Details](#)

Application Deadline 12 November 2024.

Canadian Ocean Science Newsletter Le Bulletin Canadien des Sciences de l'Océan

Previous [newsletters](#) may be found on the [CNC-SCOR](#) web site. The CNC-SCOR website is hosted by [CMOS](#).

Newsletter #139 will be distributed in **November 2024**.

Please send contributions to David Greenberg
davidgreenberg@alumni.uwaterloo.ca

Subscribing and Unsubscribing

If you wish to subscribe to this newsletter or cancel your subscription, please visit the website:

<http://www.mailman.srv.ualberta.ca/mailman/listinfo/cnc-scor>

Les [bulletins](#) antérieurs se retrouvent sur le site web du [CNC-SCOR](#). Le site du CNC-SCOR est hébergé par le [SCMO](#).

Le Bulletin #139 sera distribué en **novembre 2024**.

Veuillez faire parvenir vos contributions à David Greenberg, davidgreenberg@alumni.uwaterloo.ca

Abonnement et désabonnement

Si vous souhaitez vous abonner à cette newsletter ou annuler votre inscription, veuillez visiter le site web:

<http://www.mailman.srv.ualberta.ca/mailman/listinfo/cnc-scor>

CNC-SCOR

Members/ Membres

Paul Myers – Chair (U Alberta)
David Greenberg – Secretary (DFO-BIO)
Michael Scarratt (DFO-IML)
Paul Snelgrove (Memorial)
Stephanie Waterman (UBC)
David Fissel (ASL)
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Erin Bertrand (Dalhousie)

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