

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

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Jean-François Bouchard

De [UQAR-ISMER Actualités](#)



La mer et la voile sont les deux grandes passions de Gwenn Duval. Étudiante à la [maîtrise en océanographie](#) à l'Institut des sciences de la mer de l'Université du Québec à Rimouski (ISMER-UQAR), elle est à la tête du projet [Continuum Océan](#) qui vise à permettre aux personnes actives dans le milieu de la recherche océanographique d'interagir de façon écologique avec l'environnement marin dans le cadre de courtes missions dans la région de Rimouski.

C'est après avoir enseigné la voile pendant deux années que Mme Duval a décidé d'effectuer un retour aux études. Lorsqu'elle a entrepris sa maîtrise à l'ISMER-UQAR à l'automne 2022, la titulaire d'un diplôme de matelot de marine marchande française venait d'effectuer un contrat de six mois sur un bateau de pêche au large dans le golfe de Gascogne.

Mme Duval consacre sa maîtrise à la diminution d'oxygène qui touche le fleuve Saint-Laurent. « Mon projet porte sur les effets de la désoxygénation du chenal Laurentien sur les processus géochimiques dans les sédiments, en particulier le cycle du soufre. Le manque d'oxygène affecte de plus en plus différents plans d'eau dont le Saint-Laurent. C'est un des grands défis auxquels les sciences océanographiques auront à faire face dans les prochaines années. »

Dirigée par le [professeur André Pellerin](#) de l'ISMER-UQAR et codirigée par la [professeure Gwénaëlle Chaillou](#) de l'ISMER-UQAR et le professeur **Alfonso Mucci** de l'Université McGill, Gwenn Duval espère que ses travaux « contribueront à éclaircir les changements chimiques auxquels on peut s'attendre dans les sédiments lorsqu'un plan d'eau subit une désoxygénation. »



...

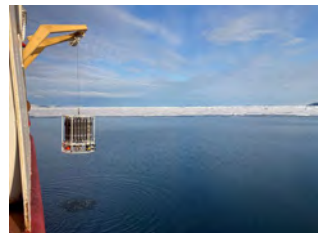
[L'article des actualités complet](#)



Également de [Jean-François Bouchard](#) retrouvé dans les [actualités](#) de [l'UQAR-ISMER](#) -

[Quand la littérature et les sciences de la mer s'allient pour « Mailler les eaux »](#)

Mailler les eaux est un carnet littéraire et scientifique des plus singuliers. Fruit de la rencontre entre le monde de la création littéraire et des sciences de la mer, l'ouvrage est un témoignage novateur d'une démarche de recherche interdisciplinaire.



[Une équipe de l'ISMER et de l'UQAR de retour d'une mission d'un mois dans l'Arctique canadien](#)

Une équipe de recherche de l'UQAR et de son Institut des sciences de la mer est de retour d'une mission océanographique d'un mois à bord du NGCC Amundsen. Une mission qui a permis de récolter des échantillons et des données pour des projets de recherche touchant aux changements climatiques.

Looking for venues - CNC-SCOR West to East Tour Speaker

In pre-COVID times, CNC-SCOR selected someone from the West coast to give a lecture tour heading East, and someone from the East to give a lecture tour heading West. The speaker would give talks, over 1 week at some combination of oceanographic institutes and schools. We are starting to resurrect this series.

For the east to west speaker we are planning on a virtual format where the seminar will be given to individual sites connected with associated CNC-SCOR sponsored pizza parties for students and others for in depth and informal discussions. We are targeting the Winter-Spring term 2024.

The West to East speaker will be Lisa Miller. The title of Lisa's talk is:

Sea-Ice Brines and Carbon Sequestration: A Cold, Dark Journey.

Abstract:

Although sea-ice formation is known to be an important factor in deepwater formation and sea-ice brines are known to be enriched in carbon, quantifying the contribution of sea-ice formation to deep ocean CO₂ sequestration has been a challenge. Circumstantial field evidence from the North Atlantic and the Canadian Arctic has hinted that sea-ice brines may be a significant carbon transport vector, while laboratory experiments have indicated that the conditions under which sea ice forms may control the efficiency of that export. Confirming those relationships in the field, however, is a problem of small, slow changes in large numbers over wide areas and has required developing new approaches to observing marine carbon dynamics in the extreme polar environment. This story is not yet finished; the last season ended in a cliff-hanger, but the next season has a distributor and is in production.



Photo: M. Fortier



Photo: T. Juul-Pedersen

Biography:

As a climate geochemist with the Department of Fisheries and Oceans, Lisa studies how air-sea exchange processes in the polar oceans influence the global carbon dioxide cycle and the production of aerosols. She has spent many, many months of her life sitting on sea ice, trying to understand its biogeochemistry. Despite her intense interest in the "big picture", her early training in classical analytical chemistry keeps sucking her down the rabbit hole, and she has also been active in international efforts to develop and standardize field methods in sea-ice biogeochemistry, sea-surface microlayer chemistry, and marine carbon dioxide research. <https://lmiller173.wixsite.com/lisamillerocean>

If you are interesting in "hosting" any aspect of these tour sessions please contact [David Greenberg](#), [Paul Myers](#) or [Lisa Miller](#).

The east to west CNC-SCOR speaking tour is still in the planning stages.

Learning Oceanography with Cartoons

Found on the [GEOTRACES](http://www.geotraces.org) website

A group called the Marine Biogeochemistry Laboratory (RCEC) from Taiwan have put together a cartoon [e-book](#) to explain their work. We highlight two of the pages.

From the introduction:

Dear students and teachers, although whales and dolphins are fascinating, oceanography doesn't focus on the study of fish. In fact, the core of oceanography is actually material and energy cycling processes! Thus, let us use the carbon cycle as an example to explain material cycling processes and the unique multi-disciplinary nature of oceanography.

海洋科普實驗室
看漫畫學海洋
Learning Oceanography by cartoons

The Source and Fate of Nutrients :

Nutrients can enter the ocean through many routes. One of the major pathways is aeolian deposition, such as the input of ash from volcanic eruptions; lithogenic particles brought by sandstorms, and anthropogenic aerosols. Naturally occurring nutrients in terrestrial systems and those produced by human activity enter the ocean via the input of river water and groundwater. Phytoplankton utilize nutrients to grow and to produce organic matter. Most of the organic matter (90-99%) generated through photosynthesis is internally recycled in the surface layer of the ocean. Only a small amount of the material is transported to the deep ocean (export production). In contrast to regenerated production regulated by internally recycled limiting nutrients, new production represents the primary production generated by the input of external limiting nutrients. These inputs of limiting nutrients, mainly bioavailable nitrogen and phosphorus, determine new production in the ocean. If the amount of organic matter generated in the surface layer of the ocean is maintained at a steady state, the export production is equal to the amount of new production.



Author: Tung-Yuan Ho / Illustrator: Ya-Ling Huang / Translator: Claudia Chern and Tung-Yuan Ho



海洋科普實驗室
看漫畫學海洋
Learning Oceanography

Biologically Essential Elements:

If you take a boat out on the ocean and dip a fine mesh net into the water, you probably would not be able to catch a fish. You would scoop up a bunch of phytoplankton (algae). If you bring this algae back to the lab at school and remove the water from inside the algae, and then analyze the elemental composition of the dehydrated algae, the top three elements would be carbon, nitrogen, and phosphorus (C, N, P). Interestingly enough, among the big three elements are an approximate constant molar or atomic ratio of 106:16:1. Oceanographers call this the Redfield Ratio. A professor at Harvard University named Redfield discovered that in addition to algae exhibiting this ratio, bioavailable nitrogen (mainly nitrate) and phosphorus (mainly phosphate) in deeper ocean water all over the world surprisingly also shows similar ratios of 15:1 to 16:1. As nitrate and phosphate are the major limiting factors for phytoplankton growth in the ocean, the ratios are of great use in estimating material cycling in the ocean.

我是紅場小子 (RedField Kid)

Author: Tung-Yuan Ho / Illustrator: Ya-Ling Huang / Translator: Claudia Chern and Tung-Yuan Ho

The creators have opened it to all for non commercial use -

[Welcome to download the images of an oceanography popular science picture book \(both the Chinese version and English version\).](#)

- * Non-commercial use only.
- * Copyright@Tung-Yuan Ho, Ya-Ling Huang, and Claudia Chern.

Les créatures cauchemardesques du Saint-Laurent

ICI  RADIO-CANADA

[Shanelle Guérin](#)

Publié le 31 octobre à 7 h 03

Si on vous disait que dans les abysses des eaux glaciales et sombres du Saint-Laurent errent des monstres à donner froid dans le dos? Qu'il existe des prédateurs capables de leurrer leurs victimes, de sucer leur sang et de broyer leurs os? Plongez dans les profondeurs de l'estuaire et du golfe pour découvrir ces créatures.



La lamproie marine a eu un effet dévastateur sur les pêcheries des Grands Lacs depuis son introduction au début du vingtième siècle.



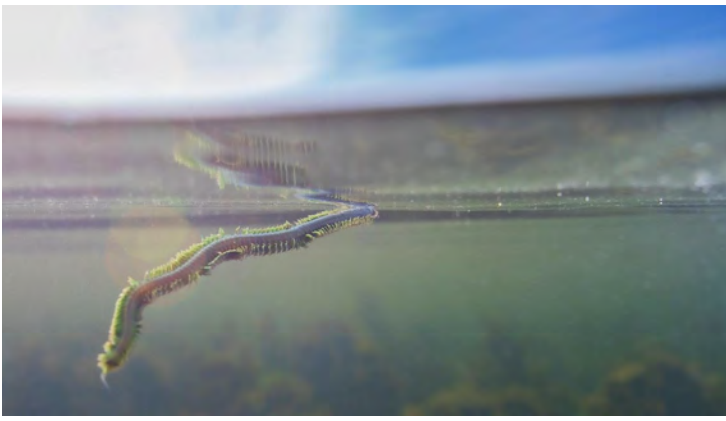
Une lamproie marine parasite un poisson.

Photo : GLFC



La baudroie d'Amérique peut mesurer environ 1,2 mètre de longueur et pèse en moyenne 20 kilogrammes.

Photo : Getty Images / Matt Cardy



Dans le Saint-Laurent, on trouve **sept espèces de ver marin Néréis**, dont une qui peut mesurer jusqu'à 30 centimètres.

Photo : Gracieuseté du photographe Jean-Christophe Lemay



Lors de la période de reproduction, le mâle **Allita virens** revêt une teinte bleuâtre métallique.

Photo : Avec la permission d'Alexander Semenov



Le **loup atlantique** possède des dents pointues qui lui permettent de déchiqeter des crabes, des oursins et d'autres mollusques.

Photo : Associated Press / Pat Wellenbach



Le loup atlantique, vivant dans le golfe du Saint-Laurent, est capable de produire une protéine antigél qui lui permet de vivre dans des eaux glaciales.

Photo : Gracieuseté du photographe Richard Larocque

Malgré leur apparence qui rappelle les monstres de l'Halloween, ces espèces marines jouent un grand rôle dans le maintien d'un fleuve Saint-Laurent en santé, rappelle le biologiste Mathieu Lemonde-Landry. "La biodiversité, c'est une richesse collective [...] Toutes les espèces sont interreliées."

Le Saint-Laurent contient encore des milliers de secrets. "On est loin de tout savoir de ce milieu qui comporte beaucoup d'inconnues. C'est important de protéger la diversité d'espèces plutôt que de se dire plus tard : "Oups, on aurait peut-être dû!""

L'intégralité de l'article est à retrouver sur [ici radio-canada](http://ici.radio-canada)

CNC-SCOR Early Career Ocean Scientist Award Nominations Requested

The Early Career Ocean Scientist Award is presented to an early career oceanographer/marine scientist for an outstanding contribution to marine sciences (in the broadest sense) within Canada. The award can be based on a single work/paper that provides a seminal contribution to the field, or ongoing work at a sufficiently high level of excellence that provides an outstanding overall contribution.

- The Award: The award winner will receive a plaque with the award, and will be provided the option to travel (with registration, abstract fee and travel provided from CNC-SCOR) to the upcoming CMOS congress to receive the award and present a paper.
- Obligations of winner:
 - If the winner decides to travel to the upcoming CMOS Congress, they will acknowledge CNC-SCOR on their presentation at the CMOS-Congress.
 - The winner will also be asked, but is not obligated, to provide a short 1 to 2 page article on their research for the Canadian Ocean Sciences Newsletter.
 - Additionally, if of interest to the winner, the award winner will be invited to sit on the CNC-SCOR committee for 1 year beginning with the CMOS Congress associated with their award.
- History of the Award: The award will be presented for the first time in 2016. It is open to candidates (Canadians, working in Canada or overseas, or permanent residents) who are within 10 years of completion of their Ph.D. (note that periods of leave (e.g., parental, health) during this period do not count against the 10 year duration, provided appropriate documentation is provided). The candidate can work in any area of marine sciences, including academia, government, industry, NGO's, etc.
- Award Nomination Instructions:
 1. Nominations are to be received no later than **15 January**, by email to the CNC -SCOR secretary: davidgreenberg@alumni.uwaterloo.ca to be considered by the selection Committee. Receipt of submissions will be provided if requested.
 2. Nominations will be adjudicated by the CNC-SCOR committee
 3. Nominations will require a nomination letter highlighting the nominee's merits (maximum 2 pages), plus 2-4 supporting letters as well as an up to date CV of nominee

Nominations not selected for the award in previous years will be maintained active for three subsequent years (although they can be updated) or until the 10-year deadline has passed.



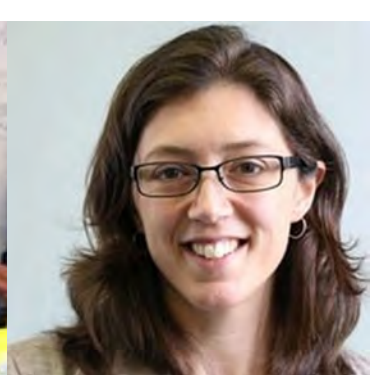
[Louis-Phillippe Nadeau](#) 2020



[Xianmin Hu](#) 2021



[Maya Bhatia](#) 2022



[Erin Bertrand](#) 2023

Prix du CNC du SCOR pour océanographe en début de carrière

Nominations demandées

Le prix pour océanographe en début de carrière est présenté à un océanographe ou à un spécialiste de la mer pour sa contribution exceptionnelle, en début de carrière, aux sciences de la mer (au sens large), au Canada. Le prix est octroyé soit pour un article ou une étude ponctuelle qui contribue de façon déterminante aux sciences marines, soit pour des travaux de longue haleine de haute qualité et qui apportent une contribution globale exceptionnelle.

- Le prix : le lauréat recevra une plaque commémorative avec son prix et aura la possibilité de se rendre (avec inscription, frais de résumé et voyage fournis par le CNC du CSRO) au prochain Congrès de la SCMO pour recevoir son prix et présenter un article.
- Obligations du lauréat :
 - Si le lauréat décide de se rendre au prochain Congrès de la SCMO, il remerciera le CNC du CSRO lors de sa présentation au Congrès de la SCMO.
 - Il sera également invité, sans y être obligé, à fournir un court article d'une à deux pages sur ses recherches pour le *Bulletin canadien des sciences de l'océan*.
 - En outre, si cela présente un intérêt pour le lauréat, celui-ci sera invité à siéger au comité du CNC du CSRO pendant un an, à compter du Congrès de la SCMO associé à son prix.
- Histoire du prix : le prix a été décerné pour la première fois en 2016. Y sont admissibles les candidats qui ont obtenu leur doctorat il y a moins de 10 ans et qui sont des Canadiens travaillant au Canada ou à l'étranger, ou des résidents permanents (notez que les périodes de congé, parental ou médical, par exemple, prises au cours de ces dix années, ne comptent pas, du moment que des preuves sont fournies). Le candidat peut travailler dans n'importe quel secteur des sciences de la mer : universitaire, gouvernemental, industriel, non gouvernemental, etc.
- Directives pour les nominations au prix :
 1. Les nominations doivent parvenir le **15 janvier** au plus tard, par courriel, au secrétaire du CNC du CSRO à davidgreenberg@alumni.uwaterloo.ca afin de pouvoir être considérées par le comité de sélection. Un accusé de réception sera envoyé si le candidat le demande.
 2. Le CNC du CSRO évaluera les nominations.
 3. Les nominations devront inclure une lettre de nomination soulignant les mérites du candidat (2 pages, maximum), deux à quatre lettres de soutien et un curriculum vitæ à jour du candidat.

Les nominations qui n'auront pas été retenues seront prises en compte (et pourront être mises à jour) au cours des trois années subséquentes, ou moins, si le délai de dix ans est passé.



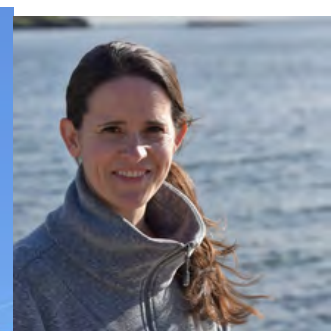
[Stephanie Waterman](#)
2016



[Kim Davies](#) 2017



[Daniel Boyce](#) 2018



[Cathryn Clarke Murray](#)
2019

MEETINGS

WCCM-PANACM Joint Congress on Computational Mechanics

Vancouver, July 21-26, 2024

The 16th World Congress on Computational Mechanics and 4th Pan American Congress on Computational Mechanics (WCCM-PANACM), to be held July 21-26, 2024 in Vancouver, British Columbia, Canada. The WCCM-PANACM Congress is co-organized by the International Association for Computational Mechanics (IACM) and the Canadian Association for Computational Science and Engineering (CACSE). This will be the first time for Canada to host a major congress on Computational Mechanics. The Congress is expecting to host around 3,000 participants and is the main global conference on computational mechanics.

The fully in-person event to be held in the award-winning Vancouver Convention Center, located on Vancouver's downtown waterfront with a dramatic mountain backdrop.



[Details](#)

Proposals to hold a short course at WCCM-PANACM 2024 may be [submitted online](#) by January 5.

Abstract deadline: January 15, 2024

Abstracts should be submitted in one of the congress minisymposia. For a description of each minisymposium, go [here](#).

Early Registration - January 15 - March 31

Oceans Past X

University of Exeter, Cornwall, UK , 25-28 June 2024

Oceans Past brings together scholars and practitioners interested in documenting and understanding changes in marine systems and human maritime interactions in past decades, centuries and millennia. The 10th Oceans Past Conference will enable continued scholarly networking and international exchange towards a fuller understanding of the past, the present, and potential future trajectories of our marine ecosystems and the human communities that interact with these.

Conference themes

1. How the sea has changed us / how we have changed the sea
2. Physical and biological drivers in marine ecosystems and populations
3. Scales of sustainable and unsustainable marine harvesting throughout time
4. Multidisciplinary perspectives on social and ecological consequences of change
5. Trajectories and repercussions of management interventions on marine social-ecological systems through time
6. Lessons from the past for management of coastal zones and the high seas



Have you completed your Masters or PhD within the last 5 years? You may be eligible for partial attendance support from the International Council for Exploration of the Sea (ICES).

[Details](#)

Abstract deadline: 15 January 2024

AQUA 2024

Copenhagen, Denmark, August 26-30, 2024

AQUA 2024 will take place from August 26-30 in the Danish capital of Copenhagen. It will comprise a scientific conference, trade exhibition, industry forums, workshops, student events and receptions. The event will highlight the latest aquaculture research and innovation to underpin continued growth of this exciting food production sector. Food systems transformation is a crucial requirement to mitigate climate impacts and offer enhanced food safety and security to billions. Aquaculture has demonstrated its resilience to change and is increasingly recognized for its environmental responsibility, reduced footprint and high efficiency in protein transformation and provision.

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AQUACULTURE
Society**

eas
european
aquaculture
society

[Details](#)

[Abstract deadline](#): April 5, 2024

ASLO 2024

Madison, Wisconsin, USA, 1-7 June 2024

Adapting to a Changing World - The world is rapidly changing. The accelerating tempo of climate change, eutrophication, altered hydrological regimes, overharvest, and biodiversity loss are threatening aquatic ecosystems, water resources, and resultant human well-being. Effectively adapting to meet these challenges will require major transitions in both our thinking and how we manage aquatic ecosystems to build resilience. Sustainable solutions—those that work across sectors, nations, and generations—will emerge from a foundation of actionable aquatic science.

We look forward to having a dynamic meeting focused on aquatic ecosystems in a changing world, and how aquatic organisms, ecosystems, and management are adapting to global environmental change. The ASLO 2024 Meeting will be an in-person meeting, beginning on Sunday with an opening plenary and reception, then concluding on Friday - with the scientific program scheduled Monday through Friday.

[Details](#)

Abstract **deadline**: February 2024



**Association for the Sciences of
Limnology and Oceanography**

Gordon Research Conferences and seminars

[Gordon Research Conferences](#) organizes over 395 Conferences (GRCs) and Seminars (GRSs) per year, each highlighting the latest, cutting-edge research in fields ranging from physics to neurobiology, material science and engineering, to medicine.

The [Gordon Research Conferences](#) provide an international forum for the presentation and discussion of frontier research in the biological, chemical, physical and engineering sciences and their interfaces.



[Gordon Research Seminars](#) are unique meetings enabling graduate students and postdocs to share in the GRC experience. Each seminar is held in conjunction with a related GRC and begins the weekend immediately prior to the GRC. Most GRS participants also apply to attend the associated GRC.



Ocean Mixing

Seminar *Observing, Parameterizing and Understanding Mixing and Its Role in the Global Ocean and Climate System*



June 8 - 9, 2024, Application **deadline** May 11, 2024 or until full.

Conference *Understanding the Role of Ocean Mixing Across Scales on Climate, Ecosystems and Ocean Solutions to Societal Problems*



June 9 - 14, 2024, Application **deadline** May 12, 2024 or until full.

Marine Microbes

Seminar *Linking Microbial Processes to Ecosystem Functions*



June 8 - 9, 2024, Application **deadline** May 11, 2024 or until full.

Conference *Linking Genes, Rates, and Biogeochemistry in Marine Microbiology*



June 9 - 14, 2024, Application **deadline** May 12, 2024 or until full.

Marine Natural Products

Seminar *Bringing New Chemistry to Life: The Exploration and Expansion of Chemical Space in Natural Product Discovery*



March 9 - 10, 2024, Application **deadline** February 10, 2024 or until full.

Conference *Enabling Technologies, Discovery, Production, Function and Applications*



March 10 - 15, 2024, Application **deadline** February 11, 2024 or until full.

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 - Marine Affairs

Dalhousie University, Halifax, NS

The Marine Affairs Program (MAP) in the Faculty of Science at Dalhousie University invites application for a tenure-track or probationary tenure-track appointment at the Assistant Professor level, effective 1 July 2024. We seek an interdisciplinary scholar, with a promising research profile and agenda, a record of teaching excellence, and a willingness to engage with a broad range of ocean issues in Atlantic Canada. The candidate must have a PhD in a marine-related social science and at least 2 years of teaching experience at a university by the 1 July 2024 start date. Candidates with marine-related PhDs outside the social sciences may be considered; such candidates must demonstrate strong competence in social dimensions of marine affairs and ocean issues in their research, drawing on theories from human geography, sociology, political ecology, anthropology and/or ethnography.



DALHOUSIE
UNIVERSITY

[Details](#)

Application **deadline December 22 2023.**

Postdoc - marine biogeosciences

Alfred Wegener Institute Helmholtz, Bremerhaven, Germany

In this project, we will use data from EIFEX, the only artificial iron fertilization experiment showing a significant increase of carbon export, and observations in naturally fertilized regions to 1) improve the model representation of diatoms, particle dynamics and iron cycling. With these improvements, 2) the impact of iron fertilization on marine carbon sequestration, in the light of the evolving field of ocean-based CO₂ removal research, will be reassessed, and 3) the effect of changes in future iron supply on the marine biological carbon pump will be predicted. You will work in a team including the project PI and other four senior scientists who will support you with their expertise in different fields, i.e., phytoplankton ecology, iron fertilization experiments and modelling at different scales. You will be expected to



AWI

ALFRED-WEGENER-INSTITUT
HELMHOLTZ-ZENTRUM FÜR POLAR-
UND MEERESFORSCHUNG

- set up a regional model to simulate EIFEX (based on an existing modelling work) and natural iron fertilization events with improved parameterizations;
- conduct global simulations to reassess the potential effect of artificial iron fertilization on climate and to predict responses of the marine biological carbon pump to future changes in iron supply.

[Details](#)

Application **deadline December 7 2023**

Assistant Professor - Marine Chemistry

University of Southern Mississippi

Stennis Space Center, Mississippi

The Division of Marine Science in the School of Ocean Science and Engineering (SOSE) at The University of Southern Mississippi invites qualified applicants for a full-time, 9-month, tenure-track faculty position in Marine Chemistry at the assistant level to begin in August 2024. We are particularly interested in candidates who can make use of existing



THE UNIVERSITY OF
SOUTHERN MISSISSIPPI



analytical infrastructure for trace element analysis, including a high resolution ICP-MS, clean lab, and other related equipment.

Applicants must hold a Ph.D. in oceanography, marine chemistry, or a related field. The successful candidate will be required to pass a NASA background security check to work at Stennis Space Center, and a USM employment background check. Preferred qualifications include post-doctoral experience and a demonstrated record of scholarship, service, grant development,

communication, and commitment to diversity.

[Details](#)

Review of applications begins 8 January 2024 and continues until the position is filled.

Assistant Professor - Oceanography

University of Alaska, Troth Yedda' campus Fairbanks Alaska

The Oceanography Department of the College of Fisheries and Ocean Sciences (CFOS) at the University of Alaska Fairbanks (UAF) seeks applications for a tenure-track faculty position that comes with 9-months annual support from the State of Alaska. Applications are especially encouraged from individuals working in chemical, biological, fisheries, or geological oceanography, or in closely-related fields of expertise.



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ALASKA
FAIRBANKS

Applicants must hold a Ph.D. in Oceanography or closely related discipline. A valid driver's license and clean driving record in compliance with UA Safe Driving Criteria. Although not limited to the following disciplinary foci, expertise is sought in one or more of the following areas: marine biogeochemistry, fisheries acoustics, geological processes, satellite oceanography, ecological/ecosystem modeling.

[Details](#)

Application **deadline January 14, 2024**

Postdoc - Marine ecosystem modelling and impacts of offshore wind farms

Aarhus University, Frederiksborgvej, Roskilde, Denmark

We are seeking applicants for a 3-year Postdoc in 3D marine ecosystem modelling to join us at the Department of ECOSCIENCE working within developing new model approaches to assess the impact of offshore windfarms on hydrodynamics and environment, the potential for multi-use with low trophic aquaculture, and risk for spreading of none-indigenous species.



- You will be contributing to developing 3D ecosystem models of the North Sea and the Inner Danish waters.
- You will be working primarily with implementing impacts of offshore windfarm effects on the marine ecosystems.
- Investigate the potential for multi-use of offshore windfarms with low-trophic aquaculture

...

[Details](#)

Application **deadline Dec 8, 2023**

Postdoc in Marine Ecology

Aarhus University, Frederiksborgvej, Roskilde, Denmark

Applications are invited for a 2-year postdoc position in the field of marine ecology and environmental statistics at the Department of Ecoscience, Aarhus University, Roskilde, Denmark. This project will investigate links between seabird migration and the global distribution of seamounts. This is a 2-year postdoc position starting at 1 March 2024 or as soon as possible thereafter.



As a postdoc your position is primarily research-based. You will develop and lead a data-driven assessment of factors and drivers identifying links between seabird movements and the location of productive seamounts in the global ocean. The successful candidate will work in the interdisciplinary sections of Arctic Ecosystem Ecology (Professor Morten Frederiksen) and Applied Marine Ecology and Modelling (Senior Researcher Christian Mohn), located within the Department of Ecoscience. Applicants for the postdoc position should hold a PhD degree in marine ecology, marine biology, or oceanography with a successful and documented scientific record. A PhD in equivalent disciplines may also be considered, if documentation for skills matching the position is provided. Additional experience in any of the following areas would be valued, but is not required: GAM/GLM models, hydrodynamic models, experience with Geographical Information Systems.

[Details](#)

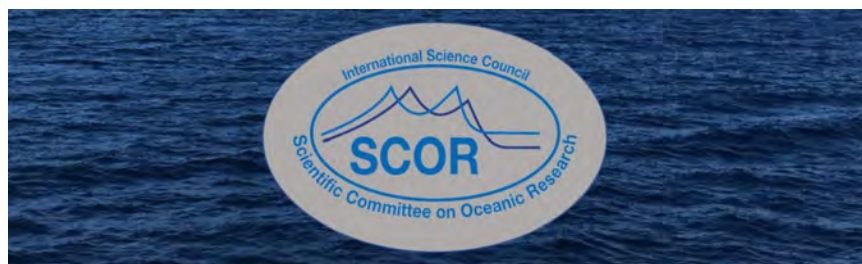
Application **deadline Dec 8, 2023**

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

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GENERAL

Looking for SCOR Visiting Scholars



The SCOR Visiting Scholar program enlists the services of ocean scientists, from both developed countries and developing countries, to teach short courses and to provide more extended on-site education and mentorship at developing country institutions.

This program is open to any scientists who have time available to spend teaching and mentoring in a developing country for ideally two weeks or more. The scholarships are not intended to conduct joint research, although collaborative research may develop as an outcome of a visit.

Applications will be reviewed by the SCOR Capacity Development Committee based on the following criteria:

- Quality and relevance of the proposal focusing on knowledge exchange and mentoring in ocean sciences.
- A detailed working plan for the visit which should be co-developed with the host institution.
- Experience of the candidate and fit with the program (language skills, teaching/mentoring experience, subject areas requested by the institution).
- Needs of the host institution and an estimate of how many students and/or early-career scientists will benefit from the training.
- Plans by the host institution to build upon the training/mentoring received.

More information about the call and the application form can be found [here](#).

Deadline for applications: 29 December 2023

Applications should be sent to secretariat@scor-int.org.



2023 Visiting Scholar Kaylee Smit, University of Cape Town, visited the University of Seychelles to conduct training on the use of baited remote underwater stereo-video systems.



2023 Visiting Scholar Ramaiah Nagappa, National Institute of Oceanography in India, visited the University of Dhaka in Bangladesh to conduct a biological oceanography course.

From Serge Desjardins, CMOS President - Membership and more

Dear CMOS Member,

Thank you for your support of the Canadian Meteorological and Oceanographic Society. I encourage you to **renew** as soon as you read this reminder. Otherwise, like me, you may forget whether you renewed or not. If some of you are interested in setting up an auto-renewal option for Membership fees, send a note to cmos@cmos.ca. If we have a critical mass of interest, we'll set this up.



Your membership dues and generous donations to our scholarship and development funds directly support young people and enable us to continue offering free membership to students. For those of

you who are more involved in the Society, we greatly appreciate the time and effort you devote as a volunteer. This voluntary contribution from our volunteers is essential to the effective running of our Society and the realization of its vision and mission.

Jim Abraham's two years as president of the Society, and the current executive's strong involvement in the organization of the 2023 congress, have made us realize that the Society has everything to gain from a more national approach, even though we are distributed in centers. We are also working to rethink the purpose and impact of our Society at a time when scientific information is paramount to our Canadian society's ability to make informed decisions. Two years ago, with the aim of reducing financial and environmental costs, the decision was taken to alternate between in-person congresses (with the possibility of a hybrid format) and virtual ones. The 2024 convention will be 100% virtual, and is being organized jointly by the Winnipeg and BC Interior-Yukon centers with the main theme "Extreme Events in a Changing Climate", the annual congress always provides a good forum for the exchange of knowledge, ideas and networking between scientists on the main theme and other scientific topics proposed by peers. Further information will be provided on the congress website: <https://cmos-scmo.ca/>. We understand that in-person meetings are preferable to virtual ones. That's why we need to find a formula that will allow us to take advantage of the years when the congress is virtual. Could we, for example, consider that during these virtual congress years, the Society could work more on its visibility in the society. For this year's congress, don't just attend from home. We suggest you get together with other members, at a venue organized by the centers, if possible, to attend the congress sessions, especially the plenary ones. Watch them and discuss them as a group. In short, make this virtual congress a forum for discussion among yourselves. We encourage you to take part in the 2024 Congress, and to innovate in the way you participate in what is CMOS's largest annual scientific exchange and meeting event.



Thanks to the Centre Chairs for organizing regular webinars and making them available nationally. I encourage members to recommend or volunteer to deliver talks. Believe me, all of the work being done by our members and partners is relevant and interesting. Please consider submitting your work also for publication in the Bulletin or Atmosphere-Ocean. As for our newsletter "The wave / l'onde", it awaits its creator, former Vice-President and now your President, to find an opportunity to breathe new life into it, for our conviction of the importance of such communication within the Society remains firm.

Thanks and all the best

Serge Desjardins

CMOS President

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 #134 will be distributed in **January 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:

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

Le Bulletin #134 sera distribué en **janvier 2024**.

Veillez 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

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Le Comité national canadien du Comité scientifique de la recherche océanographique (SCOR) favorise et facilite la coopération internationale. Il reflète la nature multidisciplinaire de la science océanique et de la technologie marine.

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The Canadian National Committee of the Scientific Committee for Oceanic Research (CNC-SCOR) fosters and facilitates international cooperation. It is a non-governmental body that reflects the multi-disciplinary nature of ocean science and marine technology.



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