

10
YEAR
ANNIVERSARY
SCIENCE
RENDEZVOUS
KINGSTON
2021
MAY 1 - 16, 2021

CENTRE STAGE

1 PM MAY
04



JOHN SMOL
Environmental Explorer

CENTRE STAGE PRESENTS

JOHN SMOL

Professor and the Canada Research Chair
in Environmental Change

Climate change in the Arctic and our own backyards

May 04 | 1 PM

BIO:

JOHN P. SMOL, OC, PhD, FRSC, FRS is a Distinguished University Professor of biology and environmental studies at Queen's University (Kingston, Ontario), where he also holds the Canada Research Chair in Environmental Change. Smol founded and co-directs the Paleocological Environmental Assessment and Research Lab (PEARL), a group of ~40 students and other scientists dedicated to the study of long-term global environmental change, and especially as it relates to lake ecosystems. John has authored ~620 journal publications and chapters since 1980, as well as completed 21 books (with 3 more in preparation). Much of his research deals with the impacts of climatic change, acidification, eutrophication, contaminant transport, and other environmental stressors. John is a frequent commentator on environmental issues for radio, television, and the print media. Smol was the founding Editor of the Journal of Paleolimnology (1987-2007) and is current Editor of Environmental Reviews (2004 – present). Since 1990 John has received 6 honorary doctorates and has been awarded >70 research and teaching awards and fellowships, including the 2004 NSERC Herzberg Gold Medal as Canada's top scientist or engineer and the International Ecology Institute Prize. Amongst his 14 teaching and outreach awards, he was named a 3M Teaching Fellow and, following a nation-wide search, Nature chose John as Canada's Top Mid-Career Science Mentor. In 2013, he was named an Officer of the Order of Canada for his environmental work and in 2018 a Fellow of the Royal Society (London). He was recently elected President of the Academy of Science, Royal Society of Canada.

DESCRIPTION OF TALK:

Human activities have affected ecosystems around the world, yet most people are mainly familiar with environmental issues that are local in nature. Ongoing research shows that our activities are affecting ecosystems around the world, often far from the source of the pollution. In many respects, the Arctic is on the "front line" of many of these developing environmental issues, not least of which are those related to climatic change. This presentation will summarize how our activities in temperate and tropical regions have resulted in striking environmental and social repercussions in distant ecosystems.

REGISTER FOR THIS EVENT:

<https://www.eventbrite.com/e/149075078573>

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CENTRE STAGE

1 PM MAY
06



JASVEEN BRAR
Manager - Atlantic, Ocean Bridge

@STEMYGK

CENTRE STAGE PRESENTS

JASVEEN BRAR

Manager - Atlantic, Ocean Bridge

Between the Poles: Youth Leading Environmental Change
May 06 | 1 PM

BIO:

Jasveen Brar (she/her) is youth, climate and ocean educator from the prairies. She is currently living and working in the ancestral and unceded homelands of the Mi'kma'ki Wabanaki Confederacy (Halifax, Nova Scotia). She is working as Ocean Bridge's Atlantic Manager – an Ocean Wise direct-action program funded by Canada Corp, supporting and mentoring youth from coast to coast on initiatives relating to waterways, water health, and ocean conservation. She is passionate about the intersection of storytelling, policy and culture and how youth can better access these spaces. Jasveen's work has brought her to Antarctica, the Canadian and Greenlandic Arctic and a few places in between. Jasveen has been named a Top 25 under 25 Environmentalist in Canada, A top 30 under 30 Environmental Educator and holds a Medal for Volunteers from the Governor General of Canada.

PRESENTATION:

Jasveen Brar will be discussing what it means to be an advocate for the Ocean from a landlocked province. Her presentation will highlight what it means to be a leader, how to get involved at local and international levels and the importance of intersectional approaches in environmentalism.

Jasveen's presentation will also address BIPOC voices, diversity and inclusion/allyship, women in science, and self-reflection.

This presentation is designed for students in Grade 9 and over. For this interactive presentation, Jasveen will be coming to us live from Halifax, Nova Scotia. She welcomes questions and is hoping for a lively discussion with secondary students from across the country.

REGISTER FOR THIS EVENT:

<https://www.eventbrite.com/e/149075194921>

ocean.org | bridge.ocean.org | studentsonice.com

educ.queensu.ca/coc/science-rendezvous

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CENTRE STAGE

2PM MAY
03



PETER MAY, PRESIDENT
RESEARCH CASTING INTERNATIONAL, LTD.

CENTRE STAGE PRESENTS

PETER MAY
Research Casting International, Ltd.

Guided Tour of Research Casting International with
Dinosaur Builder Peter May

May 03 | 2PM

BIO:

Peter May with 12 years of experience working in the palaeontology departments at the Royal Ontario Museum and Royal Tyrrell Museum, saw an opportunity to establish a company that could service the technical needs of museums locally, throughout Canada and internationally. Incorporating Research Casting International Ltd in 1987, 32 years later with 50,000 sq ft and 35 employees it is the largest company in the world providing technical services for museums internationally. Specializing in building dinosaurs, the largest visitor draw in all major museums, Research Casting has worked within the wave of new constructions of museums and exhibits that has been going on throughout the world since 1990.

PRESENTATION:

Peter will be leading a fascinating tour through the facilities at Research Casting International comparing huge dinosaur bones to even bigger giant mammal bones comparing the giants of the past with the giants of today. Visiting the preparation lab where the fossils are uncovered, showing armatures in the mounting shop and looking at beasts from the present and the past.

REGISTER FOR THIS EVENT:

<https://www.eventbrite.com/e/151749794721>

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CENTRE STAGE

1 PM MAY
14



PETER MAY, PRESIDENT
RESEARCH CASTING INTERNATIONAL, LTD.

CENTRE STAGE PRESENTS

PETER MAY
Research Casting International, Ltd.

Show & Tell and Q&A with Dinosaur Builder Peter May
May 14 | 1PM

BIO:

Peter May with 12 years of experience working in the palaeontology departments at the Royal Ontario Museum and Royal Tyrrell Museum, saw an opportunity to establish a company that could service the technical needs of museums locally, throughout Canada and internationally. Incorporating Research Casting International Ltd in 1987, 32 years later with 50,000 sq ft and 35 employees it is the largest company in the world providing technical services for museums internationally. Specializing in building dinosaurs, the largest visitor draw in all major museums, Research Casting has worked within the wave of new constructions of museums and exhibits that has been going on throughout the world since 1990.

PRESENTATION:

Dinosaur builder and paleontologist, Peter May will be doing a "Show and Tell" session with sabre-tooth tigers, blue whales and dinosaurs and we will be inviting people to send questions in for Peter to answer during live Q&A session. If you have a special request for Peter (such as seeing a real brontosaurus leg bone or a Tyrannosaurus Rex tooth), you can send it to community.outreach@queensu.ca in advance. Peter will also answer your questions at the Q&A following the "Show and Tell."

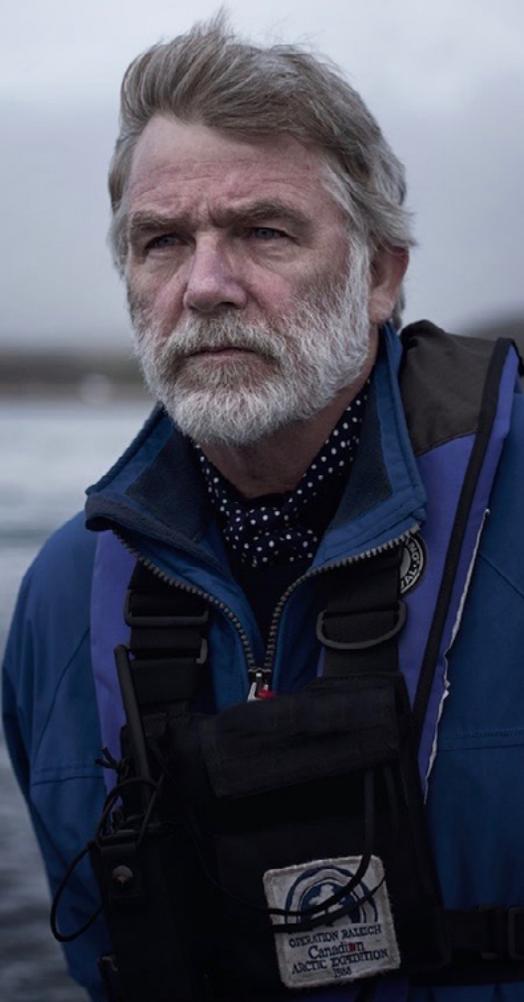
REGISTER FOR THIS EVENT:

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CENTRE STAGE

1 PM MAY
10



JAMES RAFFAN
Geographical Explorer
www.jamesraffan.ca

CENTRE STAGE PRESENTS

JAMES RAFFAN

Geographer, Speaker, Author, Documentarian

The Art Science and Magic of Exploration

May 10 | 1 PM

BIO:

In 2020, James was named by Canadian Geographic as one of the “90 most influential explorers in the nation’s recorded history.”

As the son of Scottish midwife and an English Surgeon-Lieutenant in the Royal Navy who emigrated to Canada in the early 50s (flipping a coin to decide if they would go west to Montreal or south to Johannesburg), James has spent his life exploring the country of which he is an accidental citizen. In doing so, he has travelled to more parts of the country by more means of conveyance—from snowshoes and bare feet to skis, dog sleds, canoes, snowmobiles, sailboats and nuclear-powered icebreakers—than almost anyone else on the planet. And along the way, he has woven stories about the places he has travelled and the people he has met along the way into books and articles, films and television programs, blogs and radio documentaries, becoming a much sought after speaker, storyteller and public presenter.

Recognized for his community activism and volunteerism, he is a Fellow International of the Explorers Club, Past Chair of the Arctic Institute of North America as well as a Fellow and Past Governor of the Royal Canadian Geographical Society, service for which has been awarded many honours including Canada’s Meritorious Service Medal and an honorary Doctor of Laws from the University of Guelph.

PRESENTATION:

The magic of James Raffan’s presentations is his unique blend of insight, experience and erudition, usually sprinkled with with humour, always stirring emotions. He curates his presentations from a trove of immediate first-hand stories drawn from a lifetime of exploration, always spun with surprising sounds and spectacular images he’s collected along the way. James will introduce you to voices you’ve never heard or places you’ve never been, or show you things you’ve never seen in familiar locales. He’ll teach you about the world. He’ll teach you about nature and human nature. And he’ll leave you thinking, smiling, feeling informed and empowered but always with questions about how you might engage more fully in personal growth, community building, or making the world a better place.

REGISTER FOR THIS EVENT:

<https://www.eventbrite.com/e/149074823811>

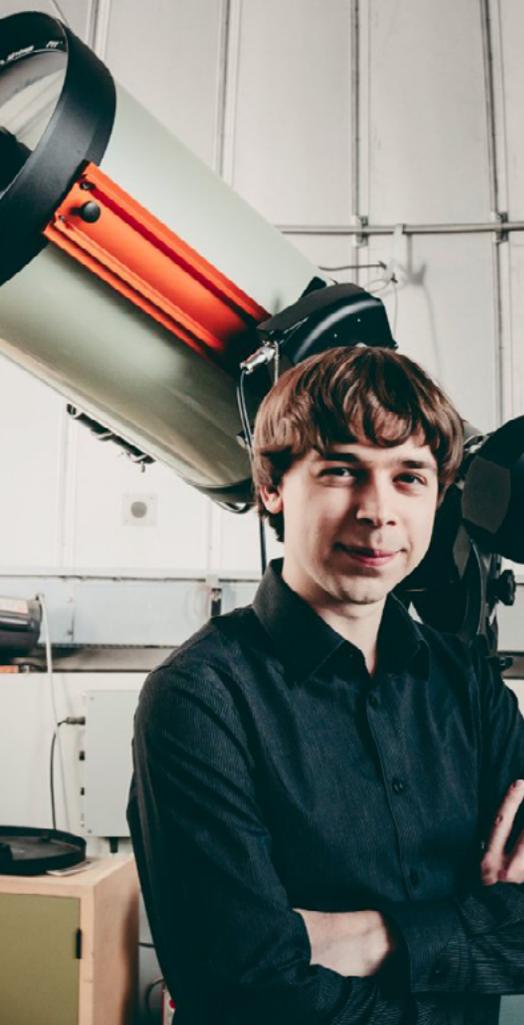
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CENTRE STAGE

1 PM MAY
12



CONNOR STONE
PhD Candidate

CENTRE STAGE PRESENTS

CONNOR STONE
Physics, Engineering Physics & Astronomy

Live: Queen's Observatory Virtual Planetarium
May 12 | 1 PM

BIO:

Connor Stone is a PhD candidate at Queen's University studying the nature of galaxies in our Universe. Galaxies are scattered throughout the Universe and are made up of millions to trillions of stars, generally swirling around a gigantic Black Hole. His work involves analyzing thousands of galaxies with Machine Learning and Bayesian statistics to determine the fundamental patterns that govern these titans of the night sky. Connor is also the Queen's Observatory coordinator, organizing outreach programs such as open houses, virtual planetarium tours for classrooms, and the [Fast Radio Bursts](#) podcast.

PRESENTATION:

Join me as we explore the night sky from home using the free software: Stellarium. In this presentation I will show you how to navigate the night sky, find nebulae and galaxies with nothing but a pair of binoculars, and prepare for rare celestial events. The night sky is a shared backyard for everyone around the world and through time, see how you can learn about sky stories from around the planet. Finally, we will dive into the science of astronomy and have Stellarium show us the spectacular images that astronomers today use to study the Universe.

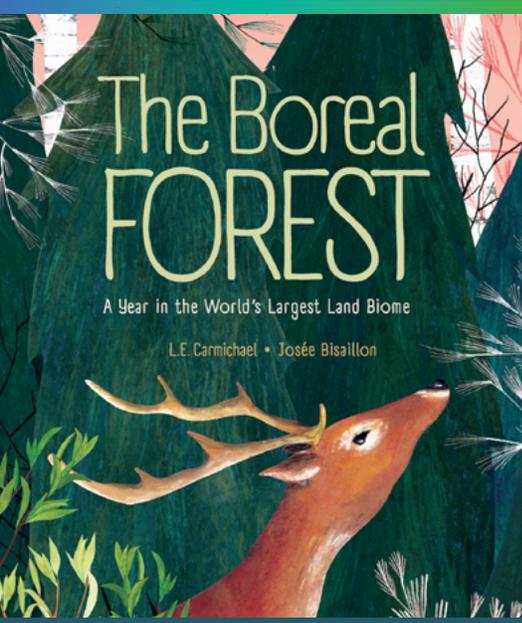
REGISTER FOR THIS EVENT:

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SPECIAL GUEST

1 PM MAY
07



LINDSEY CARMICHAEL, PhD
www.lecarmichael.ca



LINDSEY CARMICHAEL
Scientist, Children's Author, Speaker

A Walk in the Woods with L.E. Carmichael
May 07 | 1 PM

BIO:

At some point, every kid starts asking "Why?". Lindsey Carmichael never stopped. As a PhD candidate, she uncovered new reasons why arctic foxes are the coolest; as a forensic scientist, she found out why bears sometimes get away with murder. As a writer, she follows her sense of wonder to the "whys" of subjects as diverse as nature, the environment, medicine, and technology.

The award-winning author of more than 20 STEM books for children and young adults, Lindsey writes to spark her readers' curiosity and ignite their imaginations. Packed with "oh wow!" and "I never knew that!", her books reveal the process of discovery and the stories behind the science. A popular speaker, Lindsey's school visits encourage inquiry and kindle a love of life-long learning.

Publishing under the name L. E. Carmichael, Lindsey loves beaches, platypuses, and all things fantasy. She's fascinated by the moment when facts reveal truth.

PRESENTATION:

There are eight types of forest in Canada, but the boreal is the biggest and the coolest... after all, it's cold up there! In this interactive program, kids will imagine and draw, brainstorm and share, all while encountering amazing facts about boreal plants and animals. Opportunities for further learning – like participating in The Million Tree Project! - are included, as is a live Q&A.

Suggested materials: paper and pencils, crayons, or markers

Best for: Grades 3-6

REGISTER FOR THIS EVENT:

<https://www.eventbrite.com/e/151749558013>



Learn more about the [Million Tree Project here](https://www.milliontreeproject.ca).