

[IEEE Canada Technology Leadership Monthly Webinar](#)

IEEE Canada is hosting a webinar series on Technology Leadership. We are inviting professional associations, learnt societies, think tanks, governmental agencies, and other institutions to participate and contribute speakers. This webinar series is a platform bringing our thought leaders from different stakeholders, from all walks of life to present their views and advocate their positions on science, technology, society, and future economy. It will be open and free to the general public. Many, among the audience, will be members of IEEE.

Date: Dec 17th, 2020
Time: 02:00 PM to 03:00 PM EDT
Speaker: Alan R. Emery, Founder, The Stable Climate Group
Topic: Net Zero 2050? Canada's Options in a Human-Caused Hot World
Registration: <https://events.vtools.ieee.org/m/249205>

Summary

The sources of human-caused global warming will be presented briefly followed by overwhelming evidence that global warming is real and dangerous. The speaker will position Canada in a global hot world context. Next, a synopsis of the scale required to get to net zero 2050 and the psychology of global fossil fuel "addiction" will be discussed. A broad series of what could be excellent options for an innovative future Canada to lead the world by example with a focus on engineering opportunities combined with social and economic requirements will be outlined. Finally, the more probable trajectory for Canada and the world given the current Canadian and world governance in a predatory capitalistic world will be presented. Even in this dangerous future probability, Canada has many favourable options, if it plans carefully.

Biography

Alan received his BSc. from the University of Toronto; MSc. from McGill University; and PhD from Cornell University and University of Miami. His scientific specialty is ecology and evolution with a focus on marine sciences. He pioneered in direct observation underwater at night on coral reefs and in fresh water. He was among the first to dive under the ice in the Arctic. He has led expeditions to the Arctic, Atlantic, Pacific and Indian Oceans. He was a research scientist with the Fisheries Research Board of Canada, the Ministry of Natural Resources in Ontario, professor at the University of Toronto, Curator and Sciences Coordinator at the Royal Ontario Museum, President of the Canadian Museum of Nature, and has been the governor, president, or director of many scientific organizations. When his brother fell terminally ill, Alan brought his engineering company back to a profitable position to be sold by his brother's family.

He has published nearly 100 scientific, technical, and popular articles and books spanning subjects from marine biology to the management of academic organizations. He has appeared on hundreds of radio



and television interviews and has been the subject of, technical advisor for, or written over 150 television shows for CTV, Discovery, and the CBC.

As part of his work with indigenous people, he prepared policy papers for Canada, the World Bank and the UN. In addition, he has worked as a consultant with the Canadian Nuclear Waste Management Organization almost since its inception.

Recently, Alan has moved his primary attention from global biodiversity loss to the solution of human-caused global warming. In 2015, he initiated and is now leading an international group of scientists and engineers to help solve the global warming problems: The Stable Climate Group.

For more information and speaking opportunity, please contact, Dr Kexing Liu, IEEE Canada Outreach and Partnership Committee Chair, kexing.liu@ieee.org

About IEEE Canada

IEEE's motto is "advancing technology for the benefit of humanity". As a not-for-profit organization, IEEE Canada's mandate is to serve the general Canadian public as well as the professional community. It is the largest technical professional association in Canada with over 17,000 members across the country. Many of our members are technology leaders, business leaders and active practitioners in the advanced technology sector. Some of our members are business executives, key engineers or chief technology officers in major Canadian tech companies; others are lead researchers with academic institutions or governmental policy boards in Canada.