Participants

Gopal Achari | Schulich School of Engineering, University of Calgary
Dr. Gopal Achari, a Fellow of the Canadian Society for Civil Engineering, is a Professor of Environmental Engineering and the Associate Dean (Research and Graduate Studies) at the Schulich School of Engineering at the University of Calgary. Dr. Achari is internationally renowned for his research on water and wastewater treatment and soil remediation. His research on advanced oxidative methods and nanochemical remediation technologies (NSERC) have received wide acclaim. Having published over 220 papers and supervised over 50 PhD and master students, Dr. Achari has received numerous awards and honorary appointments in recognition of his work. He is innovative on TCB treatment technology, Dr. Achari received the APEGA Environment Stewardship Award and the Canada 150 Medal for Honour. Dr. Achari currently serves as the President-Elect of the Canadian Society for Civil Engineering (2021-2023) and in recent past, he was the VP and Senior VP of CSCE as well as served as the Chair of CSCE's Environmental Engineering Division.

Jason Acker | Associate Vice-President (Research Integrity Support), University of Ottawa
Dr. Jason Acker is the Associate Vice-President (Research Integrity Support) where he has leadership responsibilities for developing, implementing and managing a framework that supports programs and services encompassing all research integrity areas, including compliance, ethics certification, clinical trials monitoring, humanand animal ethics, safeguarding research, and legal requirements related to research in the University of Alberta.

Alejandro Adem | President, Natural Sciences and Engineering Research Council of Canada
Professor Alejandro Adem has appointed President of NSERC in October 2019. As a highly accomplished researcher in the field of mathematics and a faculty member at the University of British Columbia, Professor Adem has significant leadership experience in the Canadian research community. Before joining NSERC, he was CEO and Scientific Director of Mitacs (2015–19) where he oversaw a significant expansion of its domestic and international partnerships, including the launching the Mitacs Canadian Science Policy Fellowships, an Indigenous engagement initiative and innovative internship programs. Professor Adem is currently the Chair of the Canada Research Coordinating Committee and the Chair of the Granting Council Research Ethics Working Group. Over his career he has served on a variety of scientific, editorial and governance boards for the worldwide mathematical sciences community, and is a Fellow of the Canadian Society of Mathematical Union's Committee for Women in Mathematics. He is a Fellow of the Royal Society of Canada, a Fellow of the American Mathematical Society, a Fellow of the Canadian Mathematical Society, and a Correspondent Member of the Mexican Academy of Sciences.

Aisha Ahmad | Department of Political Science, University of Toronto; Munk School of Global Affairs and Public Policy
Aisha Ahmad is an Associate Professor of Political Science at the University of Toronto and a Senior Fellow at Massey College. She is a multiple award-winning international Security expert and has advised allied governments and militaries on global crises.

Jesus G. Alvelo Maurosa | National Science Coordinator, NASEM Voices
Jesus G. Alvelo Maurosa is a former Engineer/Scientist Analyst for the Office of Civil, Mechanical and Manufacturing Innovation in the Directorate for Engineering at the National Science Foundation, where he provided data and scientific analysis across the division. Jesus is also a member of the NASEM New Voices program.

John Amuasi | Head of the Global Health Department, Kwame Nkrumah University of Science and Technology
Dr. John Amuasi leaders at the Kwame Nkrumah University of Science and Technology, where he heads the Global Health Department. Dr. Amuasi is also Group Leader of the Global One Health Research Group at the Bernhard Nocht Institute of Tropical Medicine in Hamburg, Germany and the WHO Collaborating Centre. Dr. Amuasi's work currently involves both clinical and field epidemiologic studies on neglected tropical diseases and implementation science using a One Health approach. Dr. Amuasi also co-chairs the Lancet One Health Commission and is the Lead Author of a series on COVID-19 in Ghana, including drug and vaccine clinical trials.

Rob Annan | President and CEO, Genome Canada
Rob Annan has more than a decade of success leading research and commercialization organizations. As President and CEO of Genome Canada, he combines a background in genomics research with deep knowledge of science and commercialization policy and a proven track record in corporate strategy. Rob is committed to translating ideas into impact, and supporting the innovation ecosystem—when equitably applied—can make life better, he works with researchers, policy makers and industry across Canada and internationally to help realize the economic, environmental, and social benefits of genomics. Rob has been involved in Canadian science policy in numerous capacities, including through his former leadership roles at NRC where he served as Chief Research Officer. Rob has also served as a fellow of the Public Policy Forum as well as a Director of Let's Talk Science.

Gabriel Antwi-Boasiako | PhD Researcher, University of Saskatchewan
Gabriel Antwi-Boasiako is a PhD researcher at the University of Saskatchewan. His current research investigates the gaps in policy and decision-making processes of the social, political, and health context of human-wildlife diseases (zoonotic) transmission. Specifically, he is interested in past, current, and (potential) future pandemics.

Soheil Asgarpour | President, Canadian Academy of Engineering (CAE)
Soheil Asgarpour is currently serving the Canadian Academy of Engineering as President, the Petroleum Technology Alliance Canada (PTAC) President & CEO and the Canadian Council of Academies (CCA) as the Chief Operating Officer and Secretary. Consequently, he has earned his Ph.D. in Mechanical Engineering from Rice University.

Paul Atkins | Chief Executive, Royal Society Te Apārangi
Paul Atkins is Chief Executive of the Royal Society Te Apārangi. Previous roles have included Chief Executive of Zealandia – a world-first fenced urban eco-sanctuary in Wellington, and the National Energy Research Institute in New Zealand. Paul has chaired the Boards of the Malaria Vaccine Development Materials and Nanotechnology, the Hillary Institute of International Leadership, BioscienceScience Ltd, and Ecotrust Canada and was the biomedical service company Ferronova Pty Ltd. He was also inaugural Chair of the New Zealand Smart Grid Forum and Vice-chair of the IEA Hydrogen-wide Implementation Agreement. He is a Chartered Physicist and Chartered Scientist, a Member of the Institute of Physics and Fellow of the Chartered Management Institute.

Janice Bailey | Scientific Director, Fonds de recherche du Québec
Professor Janice Bailey is the Scientific Director of the Fonds de recherche du Québec - Nature et Technologies, which develops and promotes research on natural sciences, engineering and mathematics. In the wake of a distinguished University career, she has served on numerous government advisory committees, the granting bodies of Canada's research and has been recognized for her scientific contributions and leadership.

Arinjay Banerjee | Vaccine and Infectious Disease Organization, University of Saskatchewan
Dr. Arinjay Banerjee is a Postdoctoral Fellow and Investigator of the Laboratory of Zoonotic Viruses and Comparative Immunology at the Vaccine and Infectious Disease Organization, University of Saskatchewan, and adjunct faculty at the Universities of Saskatchewan, Windsor, British Columbia, and Toronto. Dr. Banerjee is the co-lead of One Health at the University of Saskatchewan. Research within Dr. Banerjee's laboratory focuses on the immunology of the bidirectional spillover between wildlife, (1) virus-host interactions in wildlife reservoir species, (2) immune responses to coronavirus in spillover species, such as humans, and (3) viral vaccine development. Dr. Banerjee's laboratory is a member of Canada's Coronavirus Variants Rapid Response Network (CoVaRR-Net), and as part of this network, his laboratory investigates emerging SARS-CoV-2 variants.

Herman Barkema | Faculty of Veterinary Medicine, University of Calgary
Herman Barkema is a PhD, Industrial Research Chair in Infectious Diseases of Dairy Cattle at the uCalgary Faculty of Veterinary Medicine. Recently appointed at the Cumming School of Medicine. He leads the AMR / One Health Committee and One Health at uCalgary. Dr. Barkema is a fellow of the CAHS.

Malek Batal | Faculty of Medicine, Université de Montréal
Malek Batal is Professor at the Université de Montreal's Faculty of Medicine and the Director of the WHO Collaborating Centre on Nutrition Changes and Development Policies and Practices. He is the Canada Research Chair in Nutrition and Health Inequalities and is a Fellow of the Royal Society of Canada and of the Canadian Academy of Health Sciences. He conducts participatory research regarding the food environment and food security, nutrition and population health, in an effort to redress health inequities.

Julia Baum | Ocean Ecology and Global Change, University of Victoria
Julia Baum is a Professor of Ocean Ecology and Global Change at the University of Victoria. An expert in coral reef ecology, marine fisheries and climate change, her current research focuses on understanding and forecasting ocean climate change impacts, and inform and mitigate climate change impacts. She is a champion of equity, diversity and inclusivity, and is also committed to communicating science and the need for climate solutions to policy-makers and the public.

Aimy Bazylak | Department of Mechanical & Industrial Engineering, University of Toronto
Aimy Bazylak is the Tier 2 Canada Research Chair in Clean Energy and Professor in the Department of Mechanical and Industrial Engineering at the U of T. Her research focuses on advancing fuel cell, water electrolyzer, and carbon dioxide electrolyzers clean power and energy storage technologies for decarbonization and emissions. She uses modelling and real-time imaging to design new materials for high efficiency and high-performance electrochemical energy conversion.

Fikret Berkes | Professor Emeritus, University of Manitoba
Dr. Fikret Berkes is Distinguished Professor Emeritus at the University of Manitoba, and former Tier 1 Canada Research Chair in Community-based Resource Management. His work combines social and ecological perspectives for the study of relations between societies and their environments. Berkes is interested in traditional knowledge and social-ecological resilience.

Kerry Black | Department of Civil Engineering, University of Calgary
Kerry Black is an Assistant Professor and Canada Research Chair in the Department of Civil Engineering at the University of Calgary working in sustainable and and wastewater management for Indigenous communities and sustainable infrastructure for healthy and resilient communities. Dr. Black is a leadership in the academic, public, private and non-profit sectors, employed in technical, scientific, policy, and management roles. The majority of her experience has included working with First Nations on urgent and pressing issues across Canada.

Maryse Bouchard | Environmental Health, Université de Montréal
Dr. Maryse Bouchard is a professor of environmental health at Université de Montréal. She trained in biology, environmental sciences, epidemiology, and public health. She holds the Canada Research Chair in Environmental Epidemiology of Populations' Health, aimed at studying and preventing risks arising from multiple exposure to contaminants in food, water, air.

Pietro Capuccinelli, Emeritus Professor at the University of Sassari, Italy
Pietro Capuccinelli, Emeritus Professor at the University of Sassari, Italy is a Medical Microbiologist. His main activity in the last 30 years has been the organization of scientific cooperation programs in some high income countries, mainly in Africa and South East Asia, aimed at infrastructure development, technology transfer, capacity building and promotion of research projects for infectious diseases control.

Hélène Carabin | Faculty of Veterinary Medicine, School of Public Health, Université de Montréal
Dr. Hélène Carabin is a Professor in the Department of Pathology and Microbiology at the Faculty of Veterinary Medicine and in the Department of Social and Preventive Medicine at the School of Public Health of the Université de Montréal. She holds the Tier 1 Canada Research Chair in Population Ecosystem and One Health. Her research programme focuses on the implementation of large-scale studies and intervention trials to prevent and control human and animal and zoonotic diseases and to evaluate control programmes, with an emphasis on diseases affecting the most vulnerable populations, and epidemiologic studies of the One Health approach. She co-leads two pan-Canadian networks, one on One Health governance (Network for Evaluation of Governance for Health) and one on Global TWIN, and the other on modeling emerging infections (OMNI-REUNIS). She is also the co-lead of the One Health approach for the leads the Research group on the epidemiology of zoonoses and public health (GREDSP), leads the "Global One Health" Pillar of the Centre de Recherche en Santé Publique (CReSP) and is a Commissioner on the One Health Lancet Commission.

Jamie Cidro | Associate Vice-President of Research and Innovation, University of Winnipeg
Dr. Jamie Cidro is the Associate Vice-President of Research and Innovation, Professor in the Department of Anthropology, and Director of the Centre's Development Practice Program at the University of Winnipeg. She leads a 1918-funded Centre, including Inaugural Chair in Health and Culture and the Co-Director of the Kishadaget Collaborative Research Centre housed at UW.

Jennifer Copeland | Associate Dean, Faculty of Arts & Sciences, University of Lethbridge
Dr. Jennifer Copeland is a Professor of Kinesiology and an Associate Dean at the University of Lethbridge. She studies the impact of sleep, activity and sedentary behaviour on health and is interested in the broad public health benefits of exercise, including how exercise living can contribute to sustainable development goals.

Joe Copper Jack | Senior Policy and Planning Advisor, Yukon Land Use Planning Council
In the area of governance, Copper has thirty years experience in leadership and management roles with Yukon First Nations (YNFs), at the local and regional levels. At the local level his governance experience includes being elected Chief for two different YFNs. At the regional level his governance experience includes being elected Vice Chairman to the Council for Yukon Indians (CYI) for three consecutive two-year terms (1977-1982).

Jay Cross | President, Canadian Academy of Health Sciences
James ("Jay") Cross is veterinarian and scientist recognized internationally in the areas of reproductive and developmental toxicology. He is a Fellow of the Royal Society of Canada and the Canadian Academy of Health Sciences. He is a member of the Council of the Canadian Academy of Health Sciences and Chief Integration Officer of the McGuinty Centre, a think tank focused on the prevention and health of animals, people and ecosystems.

Géraldine Dantelle | Scientific and Higher Education Attaché, French Embassy in Canada
Dr. Géraldine Dantelle is the scientific and higher education attaché of the French Embassy in Canada, based in Vancouver, in charge of the cooperation programs between Canada and Western Canada (BC, AB, SK, YK, NWT). She holds a PhD in Materials Science, from the Sorbonne University (Paris) and has worked in academic research for over 15 years, at the University of Oxford and at the French National Center for Scientific Research (CNRS) in Paris and Grenoble.

Hélène de Rode | Attorney at Law, Liège, Belgium
Mrs. Hélène de Rode is a Belgian lawyer. She is working in Liège Belgium as attorney at law. She worked also as professor of law at the university of Louvain-la-neuve here she teaches since 1982. She published various books and articles about insurance law. She started the European Academy Sciences in 2003 (the headquarters of this Academy are in Brussels).

Cate Dewey | Epidemiology and Veterinary Medicine, Ontario Veterinary College, University of Guelph
Cate Dewey, DVM, MSc, PhD is a Professor of epidemiology and veterinary medicine (large animals) at the Ontario Veterinary College. Her One Health research focuses on zoonotic disease prevention and intervention epidemiology. She is Director of the One Health Institute and Associate Vice-President (Academic), at the University of Guelph.

David Evans | Department of Medical Microbiology and Immunology, University of Alberta
Dr. David Evans is a virologist with diverse interests in poxvirus biology as well as a former research technician/scientist who helped to build and develop new research facilities supporting immunology and infectious disease research at the University of Alberta. This includes one of Canada's busiest academic BSL3 laboratories which has proved invaluable for conducting research on emerging virus research. Dr. Evans' career has focused on the study of poxviruses with special expertise in virus recombination, anti-poxviral drugs, and replication. Dr. Evans has also developed a strong research interest in research translation. His study of the enzymes catalyzing vaccinia virus strand exchange led to the development of a novel genome engineering technology that underpins InFusion® cloning kits, and more recently his research has focussed on developing prophylactic vaccines for treating cases as well as methods for assembling synthetic vaccinia recombinant DNA poxviruses.

William Ghali | Vice-President (Research), University of Calgary
Dr. William Ghali was appointed Vice-President (Research) effective March 1, 2020. Dr. Ghali is a world-class researcher and Professor in the Departments of Medicine and Community Health Sciences at the University of Calgary. Dr. Ghali is also a physician practicing in General Medicine (MD 1990) - University of Calgary, FRCP(C) (1994) - Queen's University, Kingston, Ontario, and completed methodological training in health services research and epidemiology at Harvard School of Public Health (MPH, 1995). Dr. Ghali was the scientific director of the O'Brien Institute for Public Health at the University of Calgary.

Darren Gilmour | Executive Director, Royal Society of Canada
Darren Gilmour is the Executive Director of the Royal Society of Canada (RSC). Born and raised in New Brunswick, Darren did his graduate studies in Nairobi, Kenya. During the term of Darren's leadership, the RSC has acquired Walter House in downtown Ottawa, created the College of New Scholars, and organized a pandemic response with 700 expert volunteers, 40 working expert reports and nearly 200 informed perspectives highlighting the role of independent expertise in building a better future.

Andrew Gonzalez | Liber Ero Chair in Biodiversity Conservation, McGill University
Andrew Gonzalez is Professor and Liber Ero Chair in Biodiversity Conservation at McGill University. His research focuses on the causes and consequences of biodiversity change and ecosystem sustainability. He is the founding director of the Quebec Centre for Biodiversity Science and co-Chair of the international network of Group on Earth Observations Biodiversity Observation Network (GEO BON). He is also the cofounder of Habitat a company offering science advice and design principles for nature-based solutions.

Michael Hart | Vice-Provost & Associate Vice President, Research (Indigenous Engagement), University of Calgary
Dr. Michael Hart is the vice-provost (Indigenous engagement). He was appointed for a five-year term (renewable), effective June 1, 2018. He serves as a key advisor and advocate for the Indigenous Strategy, "a' tap ba'oh'to'p, at the University of Calgary, which was formally launched on May 1, 2017. He is a strong and visible role model for members of the university community on Indigenous engagement and being a good relative.

Bonnie Henry | Provincial Health Officer, British Columbia
Dr. Bonnie Henry was appointed as British Columbia's Provincial Health Officer in 2018. As BC's most senior public health officer, Dr. Henry is responsible for monitoring the health of all British Columbians and undertaking research into disease prevention and control and health protection. Most recently Dr. Henry has led the province's response on the COVID-19 pandemic and drug overdose emergency.

Sean Hillier | Associate Director, Centre for Indigenous Knowledges and Languages, York University
Dr. Sean Hillier is a queer Mi'kmaw scholar and a registered member of the Qalipu First Nation. He is an associate professor in the Faculty of Education in Indigenous Health Policy & One Health the Faculty of Health of York University. He also is the Associate Director of the Centre for Indigenous Knowledges and Languages.

Deena Hinshaw | Faculty of Medicine & Dentistry, University of Alberta
Dr. Deena Hinshaw is a descendant of Northern European settlers who came to central Alberta in the early 1900s. She studied medicine at the University of Alberta, including family medicine at the rural health. She has worked in local and provincial public health in Alberta, most recently as the Chief Medical Officer of Health for the province.

Magali Houle | Scientist, Environment and Climate Change Canada and Adjunct Professor, Université du Québec à Montréal and McGill University
Dr. Magali Houle is a scientist with Environment and Climate Change Canada and adjunct professor at Université du Québec à Montréal and McGill University. Her research focuses on the fate and effects of contaminants in aquatic environments. Her contaminant work across the Canadian Arctic is done in collaboration with Indigenous Peoples and integrates climate factors.

Norm Hüner | Emeritus Professor, Department of Biology, Western University
Dr. Norm Hüner is Emeritus Professor in the Department of Biology, Western University. His research focuses on photosynthetic adaptation and acclimation to extreme terrestrial and aquatic environments in plants and photosynthetic microbes.

Wataru Iwasaki | Professor, Computational Biology, University of Tokyo, and Chair, Young Academy of Japan
Dr. Wataru Iwasaki is a Professor of Computational Biology at the University of Tokyo and the Chair of the Young Academy of Japan. He received Ph.D. from the University of Tokyo (2009) and served as a member of the Global Young Academy (2017-2022) and the President of Japanese Society for Bioinformatics (2019-2021).

Carole Jabet | Scientist Director, Fonds de recherche Québec santé
Carole Jabet is Scientist Director of the Fonds de Recherche Québec Santé, where she works to support excellence in health research and recognized worldwide and which contributes to the well-being of the population. She is also Adjunct Professor in the École Centrale de Lyon and a PhD in molecular biophysics from the École Centrale de Paris, a postoctoral fellow in the Biophysics department of Johns Hopkins School of Medicine. She participated in the establishment of research funding programs and structuring projects and in the establishment of partnerships with high benefit with private and public actors in the health sector.

Claire Jardine | Regional Director, Canadian Wildlife Health Cooperative, University of Guelph
Dr. Claire Jardine is an Associate Professor in the Department of Pathobiology and the regional director of the Canadian Wildlife Health Cooperative for Ontario/Nunavut at the University of Guelph. Dr. Jardine's research focuses on wildlife health and disease, with a particular focus on investigating the ecology of zoonotic pathogens in wildlife populations.

Emily Jenkins | Veterinary Microbiology, University of Saskatchewan
Dr. Emily Jenkins (PhD, DVM, BSc), is Professor of Veterinary Microbiology, at the University of Saskatchewan (USask). Her research takes a One Health approach to diseases that transmit among animals and people via food, water, vectors, and the environment. She co-leads the Canadian Arctic One Health Network and the USask One Health strategic area, and is Canadian representative to the Terrestrial Working Group of the International Arctic Science Committee.

Lonnie King | Dean Emeritus & Academic Professor, College of Veterinary Medicine, Ohio State University
Lonnie King, DVM, MS, MPA, ACVPM is Dean emeritus of the College of Veterinary Medicine and Academic Professor at The Ohio State University. He has served as dean for 21 years, longer than any other his academic career, he was the first Director of the National Center for Zoonotic, Vector-Borne, and Enteric Diseases at the Centers for Disease Control and Prevention. Dr. King also served as the administrator for the Animal and Plant Health Inspection Service (APHIS), U.S. Department of Agriculture and was the country's chief veterinary officer for five years. His expertise is in One Health, global health, emerging zoonoses and antimicrobial resistance.

Harpreet Kochhar | President, Public Health Agency of Canada
Dr. Harpreet S. Kochhar was appointed President of the Public Health Agency of Canada on October 12, 2021. Since re-joining the health portfolio in 2020, when he was appointed to the role of Associate Deputy Minister of Health, Dr. Kochhar has become an integral player in Canada's COVID-19 response. Before joining the Department, Dr. Kochhar served as Assistant Deputy Minister of the Operations Sector for Immigration, Refugee and Citizenship Canada (IRCC), where he led the delivery of the Immigration, Citizenship and Passport programs across Canada and at missions and offices abroad. He also was responsible for the implementation of key strategic projects for IRCC including the Passport Modernization Initiative, Predictive Analytics, and the transformation of IRCC's operational delivery model.

Jaspinder Komal | Assistant Deputy Minister, Defence Research and Development Canada, Department of National Defence
Dr. Jaspinder Komal graduated from the Université de Montréal in Saint-Hyacinthe, Quebec, with a degree in Veterinary Medicine and a master's graduate degree in Veterinary Microbiology. Dr. Komal joined the Public Service in 1994 as a Veterinary Inspector. He moved to Ottawa in 2000, where he joined the Department as a research officer. Departments. Currently, Dr. Komal is the Assistant Deputy Minister, Science Research and Development Canada, Department of National Defence.

Susan Kutz | Faculty of Veterinary Medicine, University of Calgary
Susan Kutz is a Canada Research Chair in Arctic One Health at the University of Calgary Faculty of Veterinary Medicine. She works with Indigenous communities to bring local, traditional and scientific knowledge together to understand the impacts of climate change on wildlife health and biodiversity in the Arctic.

Jennifer Leason | Indigenous Maternal Child Wellness, University of Calgary
Dr. Jennifer Leason, PhD (she/her/kwe) is an off-reserve member of Tla'amin Nation Band, Manitoba and the proud mother of Lucas and Lucy. Dr. Leason is a Canadian Research Chair in Indigenous Maternal Child Research Chair, Tier II, Indigenous Maternal Child Wellness and an Associate Professor at the University of Calgary.

Gary Libben | Secretary, Royal Society of Canada
Gary Libben, FRSC, FRSC is Professor of Applied Linguistics at Brock University, He is a psycholinguist and neurolinguist whose research brings together theoretical and experimental approaches to language processing. Professor Libben has advanced the understanding of lexical processing represented in the mind and brain by developing new theoretical models of language, in the mind and new laboratory methods for its investigation. His research has focused on compound words and has investigated language processing among monolinguals and bilinguals across the Chinese and Indo-European languages. Professor Libben is a polyglot. Professor Libben's work has revealed how psycholinguistic research can advance the understanding of how the human mind creates meaning.

Leslie Mabon | School of Engineering and Innovation, the Open University
Dr. Leslie Mabon is a Lecturer in Environmental Systems at the Open University in the UK. Leslie is an environmental social scientist whose research focuses on resilience to and adaptation to climate at the local level, with a particular interest in coastal communities. He is also a member of the Young Academy of Scotland, and a Future Earth Coasts Fellow.

Hussam Mahmoud | George T. Abell Professor, Infrastructure, Colorado State University

Hussam Mahmoud is the George T. Abell professor of infrastructure at Colorado State University. His research focuses on coupling system of systems and network approaches with mathematical models to predict the impact of single and multiple extreme events on the resilience of critical infrastructure including health care system. Hussam is a member and a co-chair of the NASEM New Voices program.

Mike Mahon | President & Vice Chancellor, University of Lethbridge

As Michael J. Mike Mahon was installed as the President and Vice-Chancellor of the University of Lethbridge in 2021. He is currently two consecutive terms has been reappointed for a third term beginning July 1, 2020. His Blackfoot name is Ipisowahsing (Morning Star). Dr. Mahon holds a PhD in Education from the University of North Carolina at Chapel Hill. His current research is in the field of disability studies and sport for development.

Linda Manyguna | Associate Vice-President, Office of Indigenous Education, Kwantlen Polytechnic University of Calgary

Linda Manyguna is a Blackfoot woman born on the Piikani Nation, now registered at Siksika. She is the grandmother to five children. She grew up in Europe and an airforce brat. In her adulthood she worked as a high school construction worker, a red seal chef, and was a union leader for CUPE. She has a degree in sociology, a bachelor of social work, LL.B from the University of Ottawa and a PhD in Indigenous Philosophy from Trent University. At law school, fellow students nominated her for the Trent Green Jacket, awarded to someone who "gives back" the world or the Indian lands claims commission in Ottawa. Was a professor for over ten years at the Office of Indigenous Peoples President of Indigenization and Decolonization at Mount Royal University.

Rodrigo Martins | Materials for Energy, Microelectronics and Nanotechnologies, FCT-NOVA; President, European Academy of Sciences

Rodrigo Martins received an Honours degree in Electronics Engineering, Telecommunications and Informatics from the University of Porto in 1974. In 1977 he received an MSc degree in Semiconductor Materials from the University of London, England. In 1982 he received a Ph.D. in Energy conversion and Semiconductors, by New University of Lisbon, Portugal. In 1988 he received the Habilitation in Semiconductor Materials and Microelectronics, by New University of Lisbon, Portugal. Full Professor at FCT-NOVA since 2002 in the area of Materials for Electronics and Photovoltaics is Materials for Energy, Microelectronics and Nanotechnologies

Ian Mauro | Executive Director, Pacific Institute for Climate Solutions, University of Victoria

Ian Mauro is the Executive Director of the Pacific Institute for Climate Solutions, University of Victoria. His climate change research and filmmaking work environmental and Indigenous and local knowledges, and efforts to transition society from risk to resilience. He led the team that developed the Climate Atlas of Canada.

Jonna Mazet | Vice Provost, Grand Challenges, University of California, Davis

Jonna Mazet is the Vice Provost – Grand Challenges at the University of California, Davis. She is Co-Director of Leadership Distinguished Professor of Epidemiology of Emerging Infectious Diseases and the One Health Institute in the UC Davis School of Veterinary Medicine, where the focus is on global health epidemiology, especially for emerging infectious disease and conservation challenges. Dr. Mazet is active in international One Health education, service, and research programs, most recently in relation to disease transmission among wildlife, domestic animals, and people and the ecological drivers of novel disease emergence. She is Co-founder and Co-Director of the Global Director of a greater than $200 million viral emergence early warning project, named PREDICT, that was developed with the US Agency for International Development (USAID) Emerging Pandemic Threats Program. She was elected to the National Academy of Medicine in 2020 for her contributions to the field of veterinary medicine as emerging environmental and global health threats and serves on the National Academies of Sciences, Engineering, and Medicine's Forum on Microbial Threats and the Academies' One Health Action Collaborative. She was appointed to the National Academies Standing Committee on Emerging Infectious Diseases and Other Zoonotic Health Threats, which was created to assist the federal government with critical science and policy issues related to the COVID-19 crisis and other emerging health threats.

Ed McCauley | President, University of Calgary

Dr. Edward McCauley began his term as the ninth president and vice-chancellor of the University of Calgary on January 1, 2019. Prior to his leadership position, McCauley had served over three decades in various roles at the University of Alberta, most recently as Tier 1 Canada Research Chair in Population Ecology and vice-president (research). His academic research focuses on stage-structured plants at the University of California, Santa Barbara: as a postdoctoral fellow, as the Director of the National Center for Ecological Analysis and Synthesis, and as a professor in the Department of Ecology, Evolution and Marine Biology.

Deborah McGregor | Osgood Hall Law School, York University

Deborah McGregor, Anishinabe, Associate Professor and Canada Research Chair: Indigenous Environmental Justice, Osgoode Hall Law School and Faculty of Environmental and Urban Change, York University. Professor McGregor's research has focused on Indigenous knowledge and its application to various applications in diverse contexts including environmental and water governance, environmental justice, health and environment, climate change and Indigenous legal traditions. Professor McGregor remains actively involved in a variety of Indigenous communities, serving as an advisor and contributor to various Indigenous governance research and initiatives. Professor McGregor has been at the forefront of Indigenous environmental justice research, including the ground-breaking research that work has been shared through the IEJ project website https://www.ieju.ca/ and the IEJ International Collaboration on Indigenous research https://www.indigenous.nrcan.gc.ca/.

Dena McMartin | Vice-President, Research, University of Lethbridge

Dr. Dena McMartin is Vice-President Research at the University of Lethbridge. Dr. McMartin's research focuses on rural, agricultural and industrial water resources management and the interrelationships and impacts of freshwater climate extremes on communities and economies. Dena currently serves as one of Canada's three members on the International Joint Commission water treaty and apportionment study of the St. Mary and Milk Rivers.

Paul Merchant | Latin American Film and Visual Culture, University of Bristol

Paul Merchant is Senior Lecturer in Latin American Film and Visual Culture at the University of Bristol, where he also co-directs the Centre for Environmental Humanities. His research interests have received funding from the British Academy and UK Research and Innovation, explores cultural responses to the ocean in Chile and Peru.

Cynthia Milton | Associate Vice-President, University of Victoria

Cynthia E. Milton is Past President of the RSC. College. As Associate Vice-President, she recently co-chaired UVic's Integrated Climate and Sustainability Action Plan. She is committed to with the science-society disconnect in our dramatically changing world and the need for transparent, ethical, and accessible science in the diffusion of knowledge. Her interdisciplinary research projects study the constructions of historical narratives as the aftermath of state violence.

Siddika Mithani | President, Canadian Food Inspection Agency

Siddika Mithani serves as President of the Canadian Food Inspection Agency (CFIA) since February 2019. She holds a Bachelor's in Biology and a Ph. D. in Biopharmacology from the University of Aston, England. She has 25 years of leadership experience in science-based departments including the Public Health Agency of Canada, Environment and Climate Change Canada, Health Canada, Fisheries and Oceans, and Agriculture and Agri-Food Canada.

Heather Morrison | Chief Public Health Officer, Prince Edward Island

Dr. Heather Morrison was appointed Chief Public Health Officer of PEI, Canada in July 2007. A graduate of UPEI, she was also Prince Edward Island's first female Rhodes Scholar. At Oxford University, she completed a Doctoral degree in Biochemistry in Comparative Social Research and Social Policy, with a doctoral dissertation in health policy decision-making. She has a clinical medical training, graduating as an MD from Dalhousie University, followed by specialist training in Public Health and Preventive Medicine. Dr. Morrison has practiced medicine in Ontario, Saipan, and PEI, where she resides with her husband and 4 children.

Samira Mubareka | Medical Microbiologist and Infectious Disease Physician, Sunnybrook Health Sciences Centre

Samira Mubareka is currently a virologist, medical microbiologist and infectious disease physician at Sunnybrook Health Sciences Centre in Toronto, Ontario, Canada and in the Department of Laboratory Medicine and Pathobiology at the University of Toronto. Samira has been working on SARS-CoV-2 since the outset of the pandemic in North America with a focus on pathogenesis, biomarkers, diagnostics and wildlife surveillance through close and cross-disciplinary collaborations. She is also the Chair of the RSC Working Group on One Health.

Mona Nemer | Chief Science Advisor of Canada

Dr. Mona Nemer was first appointed Canada's Chief Science Advisor in December of December in 2020, and again in 2022. Prior to this role, Dr. Nemer was Professor and Vice-President, Research at the University of Ottawa and Director of the school's Molecular Genetics and Cardiac Development Laboratory. Dr. Nemer has served on various national and international advisory committees and boards, including as an Executive Committee Member of the COVID-19 Immunity Task Force and as a Co-Lead member of the COVID-19 Vaccine Task Force and the Industry Strategy Council. During her research career, she has used her expertise in molecular science to government by establishing a multidisciplinary network of national science experts to fund research and develop capacities and innovation in natural science stewardship. Dr. Nemer has also served on Research Canada's Board of Directors. Prior to joining the University of Ottawa, she was a Professor of Pharmacology at the Université de Montréal and directed the Cardiac Genetics Unit at the Montreal Clinical Research Institute.

Norman Neumann | School of Public Health, University of Alberta

Dr. Norman Neumann is a Professor in the School of Public Health and Adjunct Professor in Medicine. He received his PhD at the University of Alberta in 1999 in the Department of Biological Sciences, in the area of environmental toxicology. In 2000 he took up a position at the National Water Research Institute as a Research Scientist with responsibilities for the Canada-Alberta Partnership in Oil Sands Research. He joined the University of Calgary as an Assistant Professor in the Faculty of Medicine. In 2007 he moved to the University of Alberta and helped in the formation of the School of Public Health, and where he has also served as the Vice Dean of the School between 2018 to 2021. In his role as an academic professor, Dr. Neumann has taught undergraduate courses, the Program leader for Environmental Microbiology at the Provincial Laboratory for Public Health (2002-2017), and in this role he was responsible for all public health related microbial water quality testing (~240,000 samples per year) in the Province of Alberta (as well as specialized testing for waterborne disease outbreaks). His area of research centers on One-Water, with a particular focus on anthropogenic and zoonotic waterborne pathogens, tracking the most sources of fecal pollution in the environment, bacterial ecophysiologetics, evolution of water treatment and fecal sludge resistance genes, and public health risks associated with exposure to, or consumption of, contaminated water, including drinking water, irrigation water, recreational water, and reused water.

Ralph Nilson | Institute for Health, Royal Society of Canada

Dr. Ralph Nilson was invested with the honorary title of President Emeritus at Vancouver Island University upon his retirement in June 2019. He has over forty years teaching undergraduate biology courses, research and scholarship, international education, and senior leadership in universities across Canada and the United States. He developed and taught courses in human ecology in physical activity, population health and community development. He is recognized for his values based leadership approach and advocates for access to excellence in post-secondary education.

Diego Nobrega | Faculty of Veterinary Medicine, University of Calgary

Diego Nobrega is beginning his tenure as an assistant professor in the College of Veterinary Medicine in the University of Calgary. Diego has a MSc in Preventive Veterinary Medicine, a PhD in Veterinary Sciences. His research focuses on the One Health aspects of antimicrobial resistance.

Christopher Overall | Department of Oral Biological and Medical Sciences, The University of British Columbia

Professor Chris Overall is a Tier 1 Canada Research Chair in Protease Proteomics and Systems Biology at UBC, a Senior Fellow of the Freiburg Institute for Advanced Studies (FRIAS) at Albert-Ludwigs-Universität Freiburg, where he is now an Honorary Professor (2014-). He was inducted as a fellow into the Royal Society of Canada in 2018. His 140 papers are highly cited (h-index of 101). Chris is best known for his development of proteomic methodology for the discovery of protease substrates in vivo, which he deployed to the investigation of SARS-CoV-2 proteases and leads the UBC NFRT Grant One Health Application on zoonotic viruses in Canadian wildlife.

Brad Pickering | Head of the Special Pathogens Unit, National Centre for Foreign Animal Disease

Brad Pickering is the Head of the Special Pathogens Unit at the National Centre for Foreign Animal Disease (NCFAD) within the Canadian Food Inspection Agency. Dr. Pickering's work focuses on high consequence emerging and re-emerging zoonotic viruses of veterinary importance with an emphasis on pathogenesis, host-virus interactions, and viral transmission. Brad Pickering is the Head of the Special Pathogens Unit at the National Centre for Foreign Animal Disease (NCFAD) within the Canadian Food Inspection Agency. Dr. Pickering's work focuses on high consequence emerging and re-emerging zoonotic viruses of veterinary importance with an emphasis on pathogenesis, host-virus interactions, and viral transmission. Brad Pickering is the Head of the Special Pathogens Unit at the National Centre for Foreign Animal Disease (NCFAD) within the Canadian Food Inspection Agency. Dr. Pickering's work focuses on high consequence emerging and re-emerging zoonotic viruses of veterinary importance with an emphasis on pathogenesis, host-virus interactions, and viral transmission.

Greg Poelzer | School of Environment and Sustainability, University of Saskatchewan
Over the past 30 years, Greg has developed deep connections with Indigenous Government, NGO and Indigenous communities in Canada and across the circumpolar North. His research focuses on renewable energy, Indigenous-state relations, and economic development. Greg is Co-Lead of Research for SaskPower and SIIN, among others. He is Co-Lead of Fulbright Arctic Initiative III.

Jesse N. Popp | School of Environmental Sciences, University of Guelph
Dr. Jesse Popp is a Canada Research Chair in Indigenous Environmental Science at the University of Guelph. She is an energetic educator and member of Wiikwemkoong Unceded Territory who strives to promote inclusive science that embraces multiple ways of knowing. Her work contributes to conservation, sustainability, and the progression of the natural sciences in the spirit of reconciliation.

Apoqaykʼ ii / Tiffany Pete | Department of Sociology, Memorial University of Newfoundland
Dr. Apoqaykʼ ii / Tiffany Pete is a member of the Nisga [Blood Tribe] and Ts'ilxqotin [Lekwungen Blackfoot Confederacy], located in the Treaty 7 area. She is an assistant professor in the Department of Sociology at the University of Lethbridge. Her program of work is comprised of responding to the TRC's Calls to Action.

Vijaya Raghavan | Treasurer, Royal Society of Canada
Vijaya Raghavan, Treasurer, RSC, is a James McGill Professor in the Department of Bioresource Engineering (PAES) at McGill University. He is Graduate Program Director for Bioresources Engineering. He is elected fellow into the Royal Society of Canada (RSC) in 2012, and into the Engineering Institute of Canada in 2017. He was President of the Canadian Society for Bioengineering in 2017 and was President of the Academy of Science of the RSC from 2017 to 2019.

Nicole Redvers | Director of Indigenous Planetary Health, Western University

Nicole Redvers, ND, MPH, DPhil., is a member of the Deninu K'ue First Nation and is an associate professor and Director of Indigenous Planetary Health at the Schulich School of Medicine and Dentistry at the University of Western Ontario. She has been actively involved in organizations and initiatives promoting the inclusion of Indigenous perspectives in both human and planetary health research and practice.

Suzanne Reed | School of Environment and Sustainability, University of Saskatchewan
Dr. Maureen Reed is Distinguished Professor and UNESCO Chair in Biosphere Sustainability, sustainability, reconciliation and renewal at the School of Environment and Sustainability, University of Saskatchewan, Canada. Her research focuses on the social dimensions of sustainability – how people, processes and institutions shape decision-making, governance and development.

Chantelle Richmond | Department of Geography & Environment, Western University
Dr. Chantelle Richmond (Bizhiqwgwa Anishinabe) is an Associate Professor in the Department of Geography & Environment, Western University, in London, Ontario (Canada). Her research is based on a community-centred model of research that explores intersections of Indigenous peoples' traditional knowledge systems within the context of global environmental change. Currently, she holds the Fulbright Canada Research Chair in Social Sciences at the University of University of Hawai'i at Manoa.

Federico Rosei | Centre Énergie, Matériaux et Télécommunications, INRS
Federico Rosei is Full Professor at the Centre Énergie, Matériaux et Télécommunications, Institut National de la Recherche Scientifique, Québec (QC) Canada, where he served as Director from 2011-2019. He holds the Canada Research Chair in Advanced Functional Materials. He holds the UNESCO Chair in Materials and Technology for Energy Efficiency. Saving and Storing. His research interests focus on structure/property relationships in nanomaterials and their use as building blocks in energy technologies. He, much has been awarded several prizes including honors from the Province of Quebec, the Federal Government of Canada as well as international agencies. He is a total in excess of $15.16 M has worked in partnership with over twenty Canadian R&D companies. He is co-inventor of three patents and has published over 435 articles in prestigious international journals.

Cathy Ryan | Interim Vice-Dean, Faculty of Science, University of Calgary
Cathy Ryan is Associate Dean and Interim Vice-Dean in the Faculty of Science at the University of Calgary. She has worked extensively on groundwater and surface water quality (and their interaction) and greenhouse gases. Community focused and applied research is integral to her research. She was a key player in the establishment of inaugural MSc programs in water resources management in so highly groundwater-dependent Saskatchewan.

Johanne Saint-Charles | Institut Santé et société, Université du Québec à Montréal
Dr. Johanne Saint-Charles's research focuses on social and gender inequities in health and the environment. Notably considering how they are constructed and maintained through discourse and relationships. Her work she has adopted an ecosystem approach to health.

Neri Salvadori | Professor Emeritus, Department of Economics and Management, University of Pisa
Neri Salvadori is professor emeritus of Political Economy at the Department of Economics and Management of the University of Pisa and is a Corresponding Fellow of the Accademia Nazionale dei Lincei, for which he was the Board Member of the All European Academies (ALLEA). He has taught, in various capacities, at the universities of Trento, Ancona, Bologna, Paris-Nanterre, Parthenope, Pisa, Denver, UNAM (Mexico), Karl Franzens (Austria), Meiji (Japan).

Ozmar Schober | Professor Emeritus, Department of Nuclear Medicine, University on Münster
Prof. Ozmar Schober, MD, PhD, a physicist (mentor: nobel laureate Gerhard Ertl) and physician. Former functions: Director of the Department of Nuclear Medicine, Münster University, 1988 to 2013; Prorector; elected president-reserve of the German Research Foundation; Speaker of collaborative research centers. Founder: European Institute for Molecular Imaging and Cluster of Excellence „Cells in Motion". Actual: Member of the Academy of Sciences Leopoldina, Sciences, Humanities and Arts, Member of academi, Delegate of the Union of German Academies of Arts and Sciences and Humanities.

Saljit Singh | Vice-President Research, University of Saskatchewan
Saljit Singh, a fellow of Canadian Academy of Health Sciences, is Vice-President, Research at the University of Saskatchewan. Previously, he was Dean, University of Calgary Faculty of Medicine, Canada. He led Canada's first NSERC-funded One Health training program. Bali has authored 150 peer-reviewed papers and the textbook of Veterinary Anatomy (5th edition; Elsevier) and supervised research training of 100 students. Among his many awards are the 3M Canadian National Teaching Fellowship and the University of Saskatchewan Master Teacher Award.

John Smol | President, Academy of Science, Royal Society of Canada

John Smol founded and co-directs the Paleoecological 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 the impacts of stressors to lake ecosystems. John has authored over 580 journal publications and chapters since 1980, as well as compiled/edited 25 books on various aspects of aquatic research. His research deals with the impacts of climatic change, acidification, eutrophication, contaminant transport, and other environmental stressors.

Craig Stephen | Veterinarian and Epidemiologist, One Health and EcoHealth Consulting
Craig Stephen is a veterinarian and epidemiologist who has worked in the academic and non-profit sectors for a One Health manner since early 1990s. Past work focused on emerging environmental threat, surveillance and risk assessment. Current work focuses on adapting health promotion and harm reduction concepts to One Health and wildlife health.

Michael Strong | President, Canadian Institutes of Health Research
Dr. Michael J. Strong was appointed President of the Canadian Institutes of Health Research effective October 1, 2018. Prior to joining CIHR, Dr. Strong was the Director of the Schulich Medicine and Dentistry and a Distinguished University Professor at Western University. From 2000 to 2010, he served as Chief of Neurology and Co-Chair of the Neurological Sciences Institute at Sciences at the London Health Sciences Centre and Western University. He also served as Co-Chair of the Canadian ALS Research Consortium and as a former member of the Board of Directors of the ALS Society of Canada. Dr. Strong earned his degree from the McGill University in Kingston, undertook neurology training at Western University, and completed postgraduate studies at the Laboratory of Central Nervous System Disorders Director – Dr. Carleton Gajdusek (Nobel Laureate) at the National Institutes of Health, Bethesda, Maryland.

Imre Szeman | Institute for Environment, Conservation, and Sustainability; Department of Human Geography, University of Toronto Scarborough
Imre Szeman is inaugural Director of the Institute for Environment, Conservation, and Sustainability and Professor of Human Geography at the University of Toronto Scarborough. Recent publications include *On Petroculture: Globalization, Culture, and Energy* (2019) and is completing work on *Energized: Keywords for a New Politics of Energy*.

Nancy Turner | Retired Professor, Environmental Studies, University of Victoria
Nancy Turner is an ethnobotanist who has worked with Indigenous Elders and knowledge specialists in western Canada for over 50 years, learning about plants and ecosystems and their traditional uses. Distinguished Professor in Environmental Studies, University of Victoria, she has written/edited 20 books and over 150 papers, and is a member of Order of Canada, Order of British Columbia, Royal Society of Canada, as well as holding honorary degrees from four BC universities.

Connie Van der Byl | Interim Associate Vice-President, Research, Scholarship and Community Engagement, Mount Royal University
Dr. Connie Van der Byl is Interim Associate Vice-President, Research, Scholarship and Community Engagement at Mount Royal University. Previously, she was the Academic Director of the Centre for Environmental Sustainability. She has a PhD in Energy Management and Sustainability and has been involved in organizations and their strategic responses to environmental issues.

Liette Vasseur | Department of Biological Sciences, Brock University

Dr. Liette Vasseur is a full professor in the Department of Biological Sciences at Brock University. She is a member of the Canadian Sustainability Research Centre and a CCCVI fellow. Since 2014, she holds the UNESCO Chair in Biosphere Sustainability. From local to Global at Brock. Her research program is interdisciplinary and tackles issues such as climate change, climate change adaptation and resilience, community-based ecosystem management, and ecosystem governance. Her research is in Canada, China, Ecuador, Kenya Fans, and Tanzania. She has been involved in projects focus on organic and sustainable vineyards in the Niagara region where she studies responses to climate change, ecosystem services and climate change adaptation in rural and coastal communities. She is honorary President of the Canadian Commission for UNESCO, the deputy chair of the Commission for Ecosystem Management at the International Union for Conservation of Nature (and co-lead of the thematic group on Nature Based Solutions and Biodiversity Policy and Practice), and co-editor-in-chief of the journal Botany at the Canadian Science Publishing.

Vivek Venkatesh | Department of Art Education, Concordia University

Vivek Venkatesh, PhD, is a filmmaker, musician, curator and applied learning scientist whose research and research-creation programs focus on community resilience and placemaking as a resistant, public pedagogical approach. Vivek holds the UNESCO Chair in Peace and Sustainable Development. Violent Extremism and serves as co-director of the Centre for the Study of Learning and Performance at Concordia University in Montreal, where he is Full Professor of Design Practices in Visual Arts and Chair of the Department of Art Education.

Sarah Viehbeck | Chief Science Officer, Public Health Agency of Canada
Dr. Sarah Viehbeck is the Chief Science Officer for the Public Health Agency of Canada. In this role, Dr. Viehbeck is responsible for providing strategic leadership to oversee and support science excellence, science-policy integration, and a resilient public, as well as re-engaging the scientific vision and capacity across the Agency. Prior to her Sarah worked for the Canadian Institutes of Health Research, most recently as an Associate Vice President. She holds her Ph.D. in health studies from the University of Waterloo.

David Walmsley | Editor-in-Chief, The Globe and Mail
David Walmsley was appointed the Editor-in-chief of The Globe and Mail in March 2014. His appointment returned him to The Globe and Mail where he previously worked as the Managing Editor and National Editor. Under his editorship, The Globe and Mail has won the Michener Award for outstanding public service journalism, an honours among an international field at the global Online Journalism Awards and a series of Eppy awards recognizing digital excellence.

Frederick Wrona | Syncrude Research Chair, Integrated Water Resources, University of Calgary
Dr. Frederick Wrona is currently Professor, and Syncrude Research Chair in Integrated Watershed Processes, University of Calgary. He has 30 years experience in regional, national and international environmental research, monitoring and assessment programs addressing climate impacts on freshwater biodiversity, pollution and cumulative effects, environmental toxicology; and integrated watershed monitoring program design.

Nozomu Yachie | Director of Research, the School of Biomedical Engineering, The University of British Columbia
Nozomu Yachie is an Associate Professor and Director of Research at the School of Biomedical Engineering at the University of British Columbia. Adjunct Associate Professor at the University of Tokyo, Canada. Canada Research Chair (Tier 2) Distinguished Investigator. Combining cell engineering, genome editing, and computational methods, Yachie is developing new biotechnologies.

Paul Young | International Secretary, Royal Society of Canada
Professor Paul Young, International (Foreign) Secretary/Chair, International Committee, M. W. Beck Chair Emeritus and formerly Vice-President Research and Innovation, University of Victoria. He is an engineering geophysicist who has focused his research and engineering career on developing seismic methods and instrumentation to improve the quality of high quality. Over the past 40 years, he has pioneered techniques for monitoring and interpreting seismic signals from mining, petroleum and nuclear waste disposal industries. Through his research groups at Queen's University and the University of Victoria, Memorial, Keele University and Liverpool University, UK, as well as through spin off companies in Canada and the UK innovative scientific advances have been made in excess of over 200 peer reviewed publications, over 200 invited scientific papers in referred journals and conference proceedings. He has personally supervised over 45 Ph.D. students and post-doctoral research fellows.