

## CANADA-JAPAN WEBINAR

### ***CLEAN HYDROGEN: LEVERAGING BILATERAL OPPORTUNITIES IN CANADA AND JAPAN***

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#### Speakers' Biographies



#### **The Honourable Jonathan Wilkinson**

Minister of Environment and Climate Change since 2019, the Honourable Jonathan Wilkinson was first elected in 2015 as the Member of Parliament for North Vancouver. Over the course of his career, he has worked for more than 20 years in the private sector and has held successful leadership positions in various companies specializing in the development of green technologies. Minister Wilkinson's work as CEO of both QuestAir Technologies and the former BioteQ Environmental Technologies (now BQE Water Inc.), in addition to his role as senior Vice-President of Business Development with Nexterra, provided him with extensive experience in the energy and environmental technology sectors. He also previously

worked at Bain & Company, a leading global management consultancy.

A Rhodes Scholar, Minister Wilkinson made use of his educational background in public policy when he worked as a constitutional negotiator and a federal-provincial relations specialist for former Saskatchewan Premier Roy Romanow. He has served on several industry and charitable boards, including the United Way of the Lower Mainland and the B.C. Technology Industry Association. He also served as a board member and treasurer of the Walter and Duncan Gordon Foundation.



#### **The Honourable Miyazaki Masaru**

Miyazaki Masaru is the Parliamentary Vice-Minister of Environment for the Ministry of the Environment (MOE) of the Government of Japan. In 1982, he began his career as a reporter for the political party newspaper "Komei Shimbun" and served as the head of the political department and the managing editor. In 2016, he became a member of the House of Councillors and in September 2020 he assumed the post of Parliamentary Vice-Minister of Environment under the Suga Cabinet. He is primarily responsible for climate change, natural environment and resource recycling policies.



### **Akiba Etsuo**

Akiba Etsuo is a Professor at the International Research Center for Hydrogen Energy at Kyushu University, Japan. He received his Ph.D. from the University of Tokyo and joined the National Institute of Advanced Industrial Science and Technology in 1979. He was a Research Associate at the National Research Council of Canada in Ottawa from 1983 to 1984 and he has been working for Kyushu University since December 2010. His main field of expertise is research and development of hydrogen storage materials.



### **Daniel Brock**

Daniel Brock is a Partner and Chair of Fasken's Government Relations & Strategy practice, and co-lead of the firm's recently launched *Hydrogen Energy Advisory Team*. Daniel is also the founder and Chair of H2GO Canada, a not-for-profit corporation expressly focused on accelerating development hydrogen markets in Canada.

Daniel works with clients to manage enterprise exposure to government decision-making. His in-depth understanding of politics and government processes enables him to develop effective strategies to manage risk and deliver on opportunity with governments.



### **Rob Campbell**

Rob Campbell was appointed Chief Commercial Officer at Ballard Power Systems in May 2017. He has extensive experience in global business development for technology based products in China, Japan, India, Europe and the United States. He also has in-depth knowledge of high-growth markets and engineering-based capital equipment sales. Rob has also spent the last 20 years commercializing hydrogen, fuel cells and renewable energy systems.



### **Isadore Day**

Isadore Day is the CEO and founder of Bimaadzwin, a consulting company focused on building Nationhood through self governance and economic sustainability. A Former Chief of the Serpent River First Nation and former Regional Chief of the Assembly of First Nations for Ontario, he works with all levels of government and industry, as well as numerous associates to ensure the economic development and autonomy of First Nations. In addition to facilitating and building partnerships between First Nations, public and private entities, he seeks to develop opportunities in the clean energy sector, including a hydrogen transportation and industrial corridor in Northern Ontario.



### **Fujimoto Yoichi**

Fujimoto Yoichi is Senior Officer at the New Energy Business Development Department of MARUBENI CORPORATION. Since he joined MARUBENI in 1985, he has been fully involved in the energy sector. Over the last decade, he has focused on renewable energy, which includes investment, operational management of Japan's largest solar power plant and its sale-off on the secondary market. At the same time, he has promoted various hydrogen demonstration projects at national and international levels for commercialization.

### **Fujioka Ryosuke**

Fujioka Ryosuke is Chief Deputy Director of the Hydrogen and Fuel Cell Strategy Bureau of the Japan Natural Resources and Energy (ANRE). After joining the Ministry of Economy, Trade and Industry (METI) in 2013, he has devoted almost his entire career to energy issues. Previously, he was responsible for international energy collaboration with other countries and the restructuring of the electricity market in Japan.



### **François Girard**

François Girard is the Technical Leader for Hydrogen and Fuel Cells at the National Research Council Canada (NRC) and Chairman of the Canadian Hydrogen and Fuel Cell Association (CHFCA). His scientific expertise in electrochemistry and his years of experience in fuel cell technologies gave him the expertise to work on developing sustainable energy solutions. In addition to supporting several research programs at NRC that have a hydrogen technologies component, Dr. Girard represents Canada at the Mission Innovation's Hydrogen Challenge and the International Energy Agency's Technology Cooperation Program on Advanced Fuel Cells.



### **Gotoda Ryusuke**

Gotoda Ryusuke is Senior Project Manager of Hitachi's Industrial Solutions and Services Division and is responsible for the hydrogen energy business. He has been the representative for some national projects such as the Ministry of Environment project, the Project of the New Energy and Industrial Technology Development Organization (NEDO) since 2016. His team has conducted several technical verifications of the carbon-free supply chain by using renewable energy and hydrogen.



### **Jeff Grant**

Jeff Grant is the Principal at Zen Clean Energy Solutions, a consulting firm specializing in the clean energy sector. His interest in the electrification of the transportation industry and his deep understanding of the needs of government and the private sector have led him to complete numerous projects and hold several key positions within various companies. Over the course of his career, he spent 15 years at Ballard Power Systems, where he held diverse positions such as commercial lead for the North American bus market and account manager for Plug Power.



### **Deanna Horton**

Deanna Horton is a Senior Fellow at the Munk School of Global Affairs at the University of Toronto, and affiliated with the Wilson Center in Washington, DC, the Asia Pacific Foundation of Canada, and the Canadian Global Affairs Institute. In her previous diplomatic career, Ms. Horton served a total of twelve years in Japan in roles covering energy, technology, economic relations, and finally as Deputy Head of Mission.



### **Aaron Hoskin**

Dr. Aaron Hoskin holds a Ph.D. in chemistry with a specialization in the catalytic activation of small molecules such as hydrogen and methane. He is currently the senior manager responsible for federal, provincial and international activities in the Fuel Diversification Division of Natural Resources Canada. He has contributed to the development of the Canadian Hydrogen Strategy and has been involved in numerous projects in the areas of transportation electrification, electrical infrastructure and alternative fuels and the greening of government fleets.



### **Ishii Kazuei**

Ishii Kazuei is Professor at the Sustainable Materials Cycle Systems Laboratory of the Faculty of Engineering, and Director of Research and Education for Robust Agriculture, Forestry and Fisheries at the University of Hokkaido. His studies focus on waste management systems in terms of technological and social aspects, and in particular on regional biomass energy utilization systems for food waste, manure and sewage sludge, such as biomethane and hydrogen gas.





### **Ito Maya**

Ito Maya is a partner of the leading Japanese law firm Nishimura & Asahi. She is the head of the International Renewable Energy Team. She has extensive expertise in cross border project finance for various natural resources, power projects and other infrastructure projects. She has also lead more than 50 solar power projects, wind power projects and biomass projects in Japan and is also leading on-going offshore wind power projects in Japan. At The Legal 500 Asia Pacific 2020, she was selected as the Next Generation Partner in the Projects and Energy category.



### **Kato Sei**

Kato Sei is the Director of the Climate Change Projects Office of the Japanese Ministry of Environment since July 2020. He joined the Ministry of Health and Welfare in 2000 and from 2007 to 2013, he was responsible for the preparation of medium to long-term goals and plans in the Climate Change Policy Division. From 2013 to 2016, he served as the Director of the Decontamination Policy Division in Fukushima Prefecture and from 2016, he served as the Senior Policy Coordinator for Climate Change Policy and was in charge of the special energy accounts in the Climate Change Policy Division.



### **Kuriyama Tsunekichi**

Kuriyama Tsunekichi is a Chief promoter of KPR (Kawasaki Plastic Recycle business) at the Kawasaki plant of the Japanese chemical company Showa Denko K.K.. He has been involved in the ammonia production process since 1998. In 2003, he launched the plastics recycling project and realized the stable operation of the KPR plant (chemical recycling process for plastic waste). He is also involved in the planning of the decarbonization strategy and circular economy using the KPR technology and low-carbon hydrogen.



### **David Layzell**

David Layzell is a University of Calgary Professor and the Energy Systems Architect for the Transition Accelerator, a non-profit focused on identifying credible, compelling transition pathways to net-zero energy systems in Canada. He has recently used his analytical and modeling tools to identify the opportunity for Canada to deploy a vibrant hydrogen economy based on the production, use and export of hydrogen made from both low carbon electricity sources and fossil fuels coupled to carbon capture and geological storage.



### **Grace Quan**

Grace Quan is the CEO of Hydrogen in Motion, a Canadian company that has developed a breakthrough in solid-state hydrogen storage nanomaterials. She has more than 25 years of experience in many sectors including federal and provincial politics, academia, not-for-profit organizations and the private sector. Her skills and expertise in the private sector allow her to provide strategic leadership in the areas of marketing, finance, human resources and production.



### **Sasaki Yuko**

Sasaki Yuko is a Senior Associate at Toyota Tsusho Corporation, a member of the Toyota group. She focuses on the development of a low-carbon hydrogen value chain in Japan and overseas. She has extensive expertise in the analysis of hydrogen production and supply activities and a good knowledge and experience in evaluating novel technologies related to hydrogen.



### **Elizabeth Shirt**

Elizabeth Shirt is the Executive Director of GLOBE. She has nearly 20 years of experience in sustainability, innovation, energy and clean technology. Over the course of her career, she has worked with many industries, innovators, investors, governments and environmental organizations to seek policy, technical, financial and cultural solutions that will help accelerate a cleaner, more sustainable future.



### **Grant Strem**

Grant Strem spent a number of years working within the upstream oil and gas sector before moving into reserves evaluation and banking. His general interest in science and space propulsion systems led him toward a physics heavy understanding of extreme oxidation processes.

Grant Strem and close colleagues together recognize that a hydrogen economy is the eventual zenith of the world's energy continuum. They also firmly believe that Proton Technologies has a quickly scalable non-CO<sub>2</sub> solution that leverages existing infrastructure with the lowest negative environmental impact.