

DATA SCIENCE FOR SAINT LAWRENCE-GREAT LAKES: INNOVATION AND COLLABORATION



CIRANO ANNUAL CONFERENCE

A full day of knowledge on the Saint-Lawrence-Great Lakes Corridor, the 3rd largest economy in the world.



MARCH 21ST 2024



Transport
Canada

Transports
Canada

Data Science for Saint Lawrence-Great Lakes: Innovation and Collaboration

March 21st 2024 — CIRANO Annual Conference

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Nathalie de Marcellis-Warin

CIRANO



A CIRANO Researcher and Fellow since 2003, Nathalie de Marcellis-Warin has been President and Chief Executive Officer of CIRANO since 2016, has been leading the Baromètre CIRANO project on risk perception in Quebec, which annually collects data on Quebecers' concerns on 47 social issues since 2011, is responsible of the CIRANO Pole on the Socio-economic Impacts of Digital Intelligence and Main Researcher of the theme Innovation and Digital Transformation. Nathalie de Marcellis-Warin is Full Professor in the Department of Mathematics and Industrial Engineering at Polytechnique Montréal. She is also a Visiting Scientist at Harvard T. Chan School of Public Health and an associate researcher at the Institute for Data Valorization (IVADO).

She is also co-PI of the "Monitoring and Surveys" function at the International Observatory on the Societal Impacts of AI and Digital Technology.

John Austin



Michigan Economic Center

It is with great honor that we feature Mr. John Austin as a distinguished speaker at our symposium.

Mr. Austin is the director of the Michigan Economic Center, where he plays a significant role in the development of economic strategies and initiatives aimed at enhancing Michigan's economic landscape. His leadership in this capacity has contributed to various projects and discussions focused on economic transformation within the state.

In addition to his work in Michigan, Mr. Austin holds the position of Non-Resident Senior Fellow at notable institutions, including the Brookings Institution, the Chicago Council on Global Affairs, and the Upjohn Institute. These roles involve him in broader economic development efforts across the American Midwest, where he engages in research and projects dedicated to regional economic revitalization.

Mr. Austin also contributes to the academic field through his lectures on economic subjects at the University of Michigan. His expertise in economic analysis is reflected in his publication record, which includes the report "A Global Midwest: The Path to New Prosperity," published by the Chicago Council on Global Affairs in 2020. This report, along with his earlier work for the Brookings Institution titled "The Vital Center," offers insights into the economic conditions and prospects of the Great Lakes/Midwest region.

Colin Stacey

Transport Canada



Mr. Colin Stacey is the Director General, Strategy of the National Supply Chain Office, Transport Canada.

Mr. Stacey has more than 25 years of experience in the field of transport policy. With a rich career at Transport Canada, Colin has delved into numerous transport modes and aspects, including over 10 years working on aviation, culminating in his role as the Director General of Air Policy. His expertise is further broadened by over five years of service at the Organisation for Economic Co-operation and Development (OECD), showcasing a global perspective on transport and policy development. His multifaceted career positions him as a pivotal voice in exploring the nuances of transport policy and its impact on global trade dynamics.

Lindsay Robles

Transport Canada



Lindsay Robles, Director of the Canadian Centre of Transportation Data (CCDT), at Transport Canada.

Prior to joining Transport Canada, he had the privilege of serving in senior positions on a number of important federal policy files, including cannabis legalization, climate change, clean energy, North American grid security, Aboriginal economic development, and Canada's innovation agenda.

This expertise is particularly significant as Transport Canada has funded our project, marking a pioneering initiative within the province of Quebec.

John Schmidt

Great Lakes St. Lawrence Governors & Premiers



John Schmidt currently serves as the Program Manager for the Great Lakes St. Lawrence Governors & Premiers. In his role, he leads the coordination of the Regional Maritime Initiative, focusing on maritime transportation policy, green shipping practices, trade development, and the advancement of autonomous shipping technologies.

John also worked for the World Health Organization's East Asia office, the Quebec Delegation of Chicago, the United Nations Development Programme, and the World Bank's Development Impact Evaluation (DIME). Additionally, John served in Senegal as a Business Advising Extension Agent for the US Peace Corps.

Thierry Warin



CIRANO

Thierry Warin is full Professor, Department of International Business, HEC Montréal, CIRANO Researcher and Fellow, Principal Investigator of the Global Economy theme, responsible for the CIRANO's Pole in Data Science for Trade and Intermodal Transport, and visiting scholar at the Digital, Data, and Design (D³) Institute at Harvard.

Bilal Siddika



CIRANO

Bilal joined CIRANO's Pole on Data Science for Trade and Intermodal Transportation in 2023, following his graduation from HEC Montréal with a master's degree in international business. In his role managing the Pole's scientific communications, he crafts narratives around the team's data-driven initiatives.

He began his career at EY, where he contributed to the design and implementation of multi-country digital transformation projects for Fortune 500 clients. His professional interests revolve around the confluence of entrepreneurship, strategy, and digital transformation.

Aïchata Koné

CIRANO



Aïchata Souleymane Koné holds a master's degree in global supply chain management from HEC Montréal and a bachelor's degree in operational supply chain management from Concordia University's John Molson School of Business. She joined the CIRANO Data Science for Intermodal Trade and Transportation cluster in 2023 as a research professional.

Jeremy Schneider

CIRANO



Jeremy Schneider joined CIRANO in 2022. He earned his Master's degree from Boston University in Economics, with a specialization in economic development. His research has primarily focused on productivity within organizations, international trade, and economic development. He has also worked in public policy, notably as a consultant for the World Bank's Global Poverty and Social Protection teams, and as an economist at INESSS in Quebec.

At CIRANO, Jeremy is a data scientist with the Pole in Data Science for Trade and Intermodal Transport, where he uses machine learning techniques to analyze international trade data.

Ari van Assche

HEC Montréal



Ari Van Assche is full professor in international business and director of the International Institute of Economic Diplomacy at HEC Montréal. He was recently appointed head of the Economics and Trade axis of the CÉRIUM's (Centre d'études et de recherches internationales) Chair in Asian and Indo-Pacific Studies.

He is also editor-in-chief of the Journal of International Business Policy, Fellow-in-Residence at the C.D. Howe Institute, and Researcher-Fellow at CIRANO. His research focuses on in the organization of global value chains and the implication for public policy.

Robert Roy

Maritime Employers Association



With over 20 years of management experience, Mr. Roy is the President of the Maritime Employers Association, where he began his journey as the Vice President of Information Technology. His initial goal was to modernize the IT systems, and he launched several projects that allowed the organization to optimize various operational processes. His most recent significant project is the development of a Shared Services Center for port employees.

Mr. Roy's journey from IT Vice President to President of the Maritime Employers Association exemplifies his visionary approach and his capability to drive innovation and efficiency in the maritime sector.

Martin Trépanier

Polytechnique Montréal



Martin Trépanier, full professor in the Department of Mathematics and Industrial Engineering at Polytechnique Montréal. His research interests focus on information systems in logistics and production engineering; geographic information systems in transportation; transportation planning, GPS data and data valorization, in the fields of public transit, freight transportation and transportation of hazardous materials among others.

Mr. Trépanier is also Director of the Centre interuniversitaire de recherche sur les réseaux d'entreprise, la logistique et le transport (CIRRELT), Co-Holder of the Chair in Transportation Transformation, Associate Professor in the Department of Computer Science and Operations Research at Université de Montréal, Associate Professor in the Department of Operations and Decision Systems at Université Laval, Collaborator in the Mobility Chair, Member of the Poly-Industries 4.0 Laboratory, Member of the Institut de valorisation des données (IVADO), and Member of the Data Intelligence Laboratory.

Alain Dudoit

CIRANO



Alain Dudoit, Visiting Fellow at CIRANO. Mr. Dudoit has served as Ambassador to the Czech and Slovak Republics in Prague, Ambassador to the Kingdom of Spain and the Principality of Andorra in Madrid, Consul General in Los Angeles, and in several other senior positions in the federal public service.

Following his retirement from the Canadian public service, Mr. Dudoit entered the private sector as an independent entrepreneur and strategic advisor in international business and innovation network development for several companies and organizations in Canada, California, China and Europe. He was one of the main architects of the Scale AI supercluster on supply chain and artificial intelligence, and of the QG100 Network initiative.

15:10 - 15:45 | Toward the
Decarbonization of the Maritime Supply
Chain : A data driven experience

Loubna Benabbou

Université du Québec à Rimouski
(UQAR)



Pr. Loubna Benabbou is a Research Chair Professor of Artificial Intelligence for Supply chain management at Université du Québec à Rimouski (UQAR). Her research focuses on the development and application of machine learning and operations research approaches to data-driven decision-making. She is interested in the application of these approaches to supply chain management, digitalization of industrial processes and climate change risk mitigation.

Pr. Benabbou has participated in several research projects with industry and is a member of scientific/technical committees of international journals and conferences. Her research in these fields has been published in international scientific journals and conference proceedings.

Julien Martin

CIRANO



Julien Martin, Researcher and CIRANO Fellow, full professor in the Economics Department of the School of Management at the Université du Québec à Montréal and holder of the UQAM Research Chair on the local impact of multinational companies. He is also affiliated with ENSAE-CREST (Centre de recherche en économie et statistique), a research affiliate of CEPR (Center for Economic and Policy Research) and associate editor of the European Economic Review.

His research, based on company-level data mining, focuses on international economics, corporate taxation and urban economics.

Mark Fisher

Council of the Great Lakes



Mark Fisher was appointed Chief Executive Officer of the Council of the Great Lakes Region by the Council's board in 2014. Mark has 13 years of experience in policy-making, strategic business planning, corporate communications, stakeholder engagement, public advocacy, and issues management.

He brings a wealth of experience in international affairs, with a focus on advancing the United States-Canada relationship in the areas of trade, security, natural resource development and environmental protection. He also brings extensive experience providing advice to key decision-makers and influencers, including the Prime Minister of Canada, provincial premiers and ministers, parliamentarians, and C-level executives from the private and not-for-profit sectors.

Oumar Diallo

Ville de Montréal



Oumar Diallo, is the Director of the Office of International Relations for the City of Montreal. His mission is to ensure the influence and international positioning of the metropolis through institutional and political relations, support organizations and institutions in the Montreal community and foster the development of networks with organizations and institutions across the world. He is also responsible for promoting Montreal as a place to host international organizations and international conferences.

Over the past 15 years, he was the Director of Fintech and Innovation at the Financial Markets Authority (AMF) in Montreal and worked closely with decision-makers in business, such as PwC, the Laurentian Bank of Canada and international organizations like the United Nations Industrial Development Organization (UNIDO) to name just a few. He has also served as a board director at the Montreal Port Authority.

Mr. Diallo is an experienced executive and administrator who has received several distinctions for his civic and professional leadership. He was notably selected among the 2022 cohort of the Millennium Fellowship Program of the Atlantic Council in Washington, D.C., and the 2020 cohort of the Avant Garde Program of CIRANO.

Nathalie de Marcellis-Warin

CIRANO



A CIRANO Researcher and Fellow since 2003, Nathalie de Marcellis-Warin has been President and Chief Executive Officer of CIRANO since 2016, has been leading the Baromètre CIRANO project on risk perception in Quebec, which annually collects data on Quebecers' concerns on 47 social issues since 2011, is responsible of the CIRANO Pole on the Socio-economic Impacts of Digital Intelligence and Main Researcher of the theme Innovation and Digital Transformation. Nathalie de Marcellis-Warin is Full Professor in the Department of Mathematics and Industrial Engineering at Polytechnique Montréal. She is also a Visiting Scientist at Harvard T. Chan School of Public Health and an associate researcher at the Institute for Data Valorization (IVADO).

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