GERMAN CANADIAN CONCOURSE
GCC
Est. 2012
INNOVATIVE PLATFORM FOR TRANSATLANTIC COOPERATION
WWW.GERMANCANADIANCONCOURSE.ORG

ARTIFICIAL INTELLIGENCE IN AEROSPACE

MONTRÉAL

McCARTHY TÉTRAULT

BERLIN

EMBASSY of CANADA to GERMANY

30 NOVEMBER 2023

AN INNOVATIVE PLATFORM FOR TRANSATLANTIC COOPERATION

WE BRING CANADA AND GERMANY TOGETHER ON INNOVATION

The German Canadian Concourse has a track record of bringing together thought leaders, decision-makers and stakeholders on up-to-date innovative topics with a relevance to Canada and Germany.

The GCC is a conference series in the spirit of the declaration by the German Federal Ministry for Economic Affairs and Climate Action (BMWK) and Canada's National Research Council (NRC) on strengthening German-Canadian cooperation on innovative projects; the underlying Bilateral Intergovernmental Science and Technology Cooperation Agreement celebrated its 50th anniversary in 2021. The GCC is an established format to foster the process of connecting German and Canadian initiatives. With German-Canadian exchange being boosted by the Comprehensive Economic and Trade Agreement (CETA), which entered into force provisionally in September 2017, the GCC aims to expand its platform for showcasing successful examples of cooperation and for launching further collaboration between the two countries. Canada recently joining Horizon Europe and the Eureka research network will only accelerate this development.

After addressing the Artificial Intelligence landscape in Canada and Germany during the last Transatlantic Symposium, the GCC will focus in 2023 on the implications that AI will have on the aerospace industry, a field of priority for both countries. The GCC returns to Montréal for the third time acknowledging the city's relevance for the AI and aerospace sector; the German venue is traditionally at Canada's Embassy in Berlin.

Welcome to GCC 2023.

/company/german-canadian-concourse

@GerCanConcourse

WELCOME TO THE GERMAN CANADIAN CONCOURSE 2023

GREETINGS FROM THE CANADA MEETS GERMANY NETWORK

Dr. Matthias Mück
President, Canada Meets Germany Network e. V.
Chairman of the German Canadian Concourse

It is my great pleasure to welcome you on behalf of Canada Meets Germany Network to the German Canadian Concourse (GCC) at the two conference locations in Montréal and Berlin.

This year's Transatlantic Symposium is once more the joint effort of a growing network of GCC partners and sponsors who share our vision of **"Bringing Canada and Germany together on Innovation"**. It is the commitment of federal and provincial governmental organizations in both countries as well as the support of private partners which has led to the establishment of this conference platform which connects two innovation ecosystems and explores potential for collaboration.

Artificial Intelligence is a strategic competency for technological leadership. AI is in an acceleration phase worldwide and across technological disciplines. The GCC aims to be at the forefront of an emerging innovative development and to reflect the German-Canadian context. The topic of the GCC 2023 has therefore been chosen deliberately to pave the way for cooperation between Canada and Germany in an evolving field of AI – Aerospace.

After a very successful Transatlantic Symposium on recent developments in Canada's and Germany's Artificial Intelligence landscape, the GCC is happy to discuss how German-Canadian collaboration can accelerate the implementation of **AI in Aerospace**. To this end, the GCC is addressing corporations, research organizations and start-ups who want to expand their AI- and Aerospace-related activities across the Atlantic.

The Transatlantic Symposium will provide the opportunity to dive a little deeper into two fields of application: **Autonomy in Aviation** and **Pushing Space Boundaries**.

During a dedicated session, our speakers will present show cases and visions of increasing autonomy in aviation. An aircraft manufacturer will present an AI-assisted landing concept for helicopters. The aspect will be complemented by a simulator company demonstrating how Artificial Intelligence enhances pilot training. Academic research organizations will shed light on security considerations that are required when employing AI for autonomous flying. Testing concepts are assessed by an IT company developing a self-flying firefighter drone. A contribution from the International Civil Aviation Organization will give insights principles that need to be adopted for the responsible use of AI in civil aviation.

In space applications, autonomy is well practiced. Challenges for spaceborne systems rather lie in the complexity of space missions and the limited resources that spacecraft need to cope with. The question, how resource-consuming AI algorithms can be run on board of satellites, and how mission data can be effectively processed by means of artificial intelligence, will be aspects presented during the space-related session. We further will learn how machine learning can improve space situational awareness to make satellite operations more sustainable.

The Fields Trips will deepen the insight into the conference theme. Airbus will showcase at their Berlin offices their portfolio of AI-related technologies. Centech in Montréal will invite start-ups from the ecosystem to pitch a diverse selection of innovative ideas how AI will advance the Aerospace sector.

With Canada and Germany becoming co-chairs of the Eureka research network and Canada joining Horizon Europe, this year's GCC comes at the right to boost the exchange on a future technology, AI, in a core industry for both countries, Aerospace.

I invite you to join our discussion on success stories, to share visions and to meet people across the Atlantic, and to draft your next collaboration projects.

GREETINGS FROM CANADA'S CHARGÉE D'AFFAIRES

Evelyne Coulombe
Chargée d'affaires a.i.
Embassy of Canada to Germany
GCC patron

As we seek to address the critical challenges facing humanity, it is difficult to think of two better suited partners than Canada and Germany. We both value and respect democracy and human rights, we both are actively pursuing a green energy transition to achieve similar net-zero goals and we both strive to create a sustainable, robust and fair society with economic opportunities for all. These shared goals are also underpinned by long-standing political, cultural and academic linkages, as well as robust commercial relations.

The German Canadian Concourse (GCC) is a prime example of the vitality of Canada-Germany bilateral relations and of our collective interest in achieving our goals through innovation and science. I am pleased to be the patron of the Concourse. Initiated in 2012 by the Canada Meets Germany Network, the GCC gathers experts to discuss an issue of current bilateral interest. The program includes a transatlantic conference session (co-hosted at Kanada Haus, the premises of the Embassy of Canada in Berlin, with a video link to a co-host institution in Canada) and a "Field Trip" to a partner organization to enrich the participants' understanding of the conference theme. This has proven to be a successful formula!

Given today's turbulent geopolitical context, it is clear that friendship and cooperation is more important than ever to achieve our goals. Based on the positive response from participants and speakers at previous Concourses, I warmly encourage the involvement of German and Canadian professionals in the Concourse to fuel constructive dialogue and to expedite bilateral projects.

The Embassy Team looks forward to welcoming the next iteration of the German Canadian Concourse at Kanada Haus in November!

GREETINGS FROM GERMANY'S CONSUL GENERAL IN MONTRÉAL

Susanne Aschi-Glesius
Consul General of the Federal Republic of Germany in Montréal
(on behalf of GCC patron **H.E. Sabine Sparwasser**, Ambassador of Germany to Canada)

Dear supporters and friends of the German Canadian Concourse,

First of all, let me emphasize what a pleasure it is to have the German Canadian Concourse and its conferences back in town after the pandemic-induced hiatus.

There can hardly be a better or more pertinent topic for a constructive Canadian-German partnership than on the questions surrounding AI in Aerospace. Both countries have a vibrant aerospace industry and welcome the cooperative opportunities that AI has to offer.

Certainly, AI has the potential to be a disruptive technology to address and improve many of aviation's core challenges. This includes improving aerodynamic testing for airplanes or helping to predict simulations which, in turn, can tremendously improve pilot training. AI may even contribute to one of the most pressing challenges of these days: improve airplane development with the goal of fuel consumption reduction, and hence, reduce the industry's carbon footprint. This bilateral conference will focus on opportunities for AI development in aerospace domain-related topics such as mission autonomy, robotics, and maintenance of aerospace systems as well as mission data analysis. This constitutes a seamless continuation of the last conference's theme that focused on AI and autonomous mobility.

Montreal will host the Aerospace Innovation Forum in May next week, an industry event tailored entirely to the future and transformation of aerospace technology. This not only underlines the pertinence and relevance of the topic, it also proves once more that Canada and Montreal specifically is a global hotspot and a perfect partner for both AI and Aerospace. Germany and Canada are each one of Airbus' five home countries in the world, on par with the UK, France, and Spain.

In addition, Canada, in general, and Montreal, in particular, have evolved into an energetic center of excellence for research and development in AI. Montreal's MILA Institute is a global front-runner for responsible AI research and creates a unique space for technology transfer and innovative industrial partnerships. Collaborative programs, such as those with the German Research Center for Artificial Intelligence, DFKI or with Helmholtz AI (Munich) are outstanding opportunities to strengthen our transatlantic partnership.

In short, the German Canadian Concourse continues to establish itself as an inspiring platform to foster scientific and technological cooperation between Germany and Canada.

I look forward to many constructive conversations and a multitude of food for thought at the German Canadian Concourse on AI in Aerospace!

GREETINGS FROM QUÉBEC'S MINISTER OF ECONOMY AND INNOVATION

Martine Biron
Minister of International Relations and Francophonie

The Ministère des Relations internationales et de la Francophonie is proud to participate in this conference bringing together German and Canadian artificial intelligence experts in the aerospace field.

This German-Canadian activity is a unique opportunity for Québec to consolidate existing partnerships and explore new avenues of collaboration with Germany–a priority partner in Europe.

Québec's aerospace ecosystem is one of the largest in the world. Its strength lies in the presence of many world-class leaders who provide an exceptional concentration of expertise.

Montréal is the world capital of civil aviation. It is home to the headquarters of the International Civil Aviation Organization and more than 230 companies, accounting for 37,000 jobs. Seventy-five percent of the country's aerospace research and development activities are concentrated in our metropolis.

In addition to this expertise, Québec is innovative and creative. The Montréal International Centre of Expertise in Artificial Intelligence is among the world's leading hubs of excellence in the field and is a contributing factor in attracting the best talent here.

Our government is committed to the responsible development of artificial intelligence based on the principles of ethics, human rights, innovation and economic growth.

To support the development of these fields, Québec has one of the largest networks abroad in comparison to other federated states, with 37 government offices in 20 countries.

More specifically, Québec has been present in Germany since 1970. The Québec Government Office in Munich and its Trade Office in Berlin foster the development of our political, economic, scientific, technological, institutional, cultural and educational ties with German-speaking countries.

I congratulate all the players whose commitment contributes to the international standing of Québec and its metropolis in the areas of aerospace and artificial intelligence.

I also want to thank all the participants of this conference. Your contributions will help strengthen our relations in these fields of the future.

Best wishes for a successful conference.

Le ministère des Relations internationales et de la Francophonie est fier de participer à cette conférence qui rassemble des experts allemands et canadiens de l'intelligence artificielle dans le domaine de l'aérospatiale.

Cette activité germano-canadienne est une occasion unique pour le Québec de consolider les partenariats existants et d'explorer de nouvelles pistes de collaboration avec l'Allemagne, un partenaire prioritaire en Europe.

L'écosystème québécois en aérospatiale est l'un des plus importants dans le monde. Sa force repose sur la présence chez nous de nombreux chefs de file de classe mondiale, qui offrent une concentration d'expertise exceptionnelle.

Montréal est la capitale mondiale de l'aviation civile. Elle accueille le siège de l'Organisation de l'aviation civile internationale et plus de 230 entreprises, responsables de 37 000 emplois. Notre métropole concentre 75 % des activités de recherche et développement en aérospatiale au pays.

À cette expertise s'ajoute le caractère innovant et créatif du Québec. Le Centre d'expertise internationale de Montréal en intelligence artificielle figure parmi les grands pôles d'excellence mondiale dans le domaine, qui contribue à attirer ici les meilleurs talents.

Notre gouvernement prône le développement responsable d'une intelligence artificielle fondée sur des principes d'éthique, de droits de la personne, d'innovation et de croissance économique.

Pour soutenir le développement de ces domaines, le Québec dispose de l'un des plus grands réseaux à l'étranger parmi les États fédérés, avec 37 représentations dans 20 pays.

De manière plus précise, le Québec est présent en Allemagne depuis 1970. La Délégation générale du Québec à Munich et son antenne à Berlin favorisent le développement de nos liens politiques, économiques, scientifiques, technologiques, institutionnels, culturels et éducatifs avec les pays germanophones.

Je félicite tous les acteurs dont l'engagement contribue au rayonnement international du Québec et de sa métropole en aérospatiale et en intelligence artificielle.

Je remercie également tous les participants à cette conférence.

Vos contributions aideront à resserrer nos relations dans ces domaines d'avenir.

GREETINGS FROM STATE OF BAVARIA MONTRÉAL OFFICE

Daniel Etzel
Director State of Bavaria Montréal Office

Distinguished guests,

Dear Friends and Partners,

For a fourth time, we have the great pleasure of welcoming the German Canadian Concourse in Montreal in order to discuss topics of common interest between Germany and Canada. It also gives us the opportunity to highlight that in 2024, Bavaria and Quebec will celebrate 35 years of successful cooperation, with Artificial Intelligence being a recent addition to the numerous fields of collaboration.

In order to keep pace with the rapid development in the field of AI, the Bavarian government presented its new “Hig-htech Agenda Bayern” and “Hightech Agenda Plus”, far-reaching programmes comprising an overall investment of 5.5 billion Euros into new technologies. As part of the Agenda, Bavaria will invest 360 Million EUR in AI research, being one of the pioneering driving forces of the digital sector.

A flagship project of this package of measures is the establishment of the "Munich School of Robotics and Machine Intelligence" (MSRM) as an integrative research center. Furthermore, the new Bavarian AI Agency is giving an additional boost to the development and application of AI in Bavaria.

22 new AI research chairs have also been created at Munich’s two leading universities. These include chairs for methods of artificial intelligence, models of machine learning, AI-based medical technology and ethics of artificial intelligence. Alongside the centers in Munich, Bavaria is determined to expand its net of AI research chairs in other parts of the state. These include, amongst others, the Robotics Center for the interaction between human and machine in Schweinfurt, the Center for Digital Care in Kempten, as well as the “Medical engineering” study program in Aschaffenburg. Furthermore, Bavaria is planning to support the development 50 new AI-chairs at universities throughout the state.

I am honoured to represent Bavaria on this occasion today and I wish all of you an instructive and pleasant day, hopefully leading to novel ideas, new contacts and unforeseen developments!

EVENT PROGRAM

FIELD TRIP – BERLIN

AIRBUS

Airbus Berlin Office
Rahel-Hirsch-Straße 10, 10557 Berlin

	CET
Meeting Point Rahel-Hirsch-Straße 10, 10557 Berlin	10:15
Visit of **Airbus Berlin Office**	10:30 – 12:30

WELCOME REMARKS

Jörg Plass, Head of Institutional Relations, Airbus

Christina Arend, Treasurer, Canada Meets Germany Network / GCC Steering Committee

"EASE – A Multi-Domain Approach for Open and Safe Cooperation for Aerospace, Maritime and Arctic Security and Defence Applications"

Götz von Broecker, Key Account Manager German Space Research Institutions, Airbus Defence and Space

COFFEE BREAK

"How AI Changes the Space Industry"

Dr. Filippo Ales, Innovation Head of Avionics Engineering, Airbus Defence and Space

"SAR2Height – AI for the Creation of Settlement Elevation Models"

Henning Schrader, Head of Mapping & DEM, Airbus Defence and Space

"Classification of Ships in the German Bight with AI"

Dr. Camilla Mohrdieck, Senior Expert Multisource Integration, Airbus Defence and Space

DISCUSSION

Transfer to Canadian Embassy	12:30 – 13:00

TRANSATLANTIC SYMPOSIUM

McCarthy Tétrault
1000 Gauchetière Street W., Montréal, QC, H3B 0A2

Embassy of Canada
Leipziger Platz 17, 10117 Berlin

EST			CET
8:00 – 8:30 am	**Admission** to the location	**Networking Lunch** at the Embassy of Canada	13:00 – 14:30
8:30 – 9:15 am	OPENING		14:30 – 15:15

WELCOME REMARKS

Susanne Aschi-Glesius, Consul General of Germany in Montréal [M]
on behalf of GCC Patron, **H.E. Sabine Sparwasser**, Ambassador of Germany to Canada

Evelyne Coulombe, Chargée d'Affaires i.a., Embassy of Canada to Germany, GCC Patron [B]

Elisa Valentin, Deputy Minister, Ministère des Relations internationales et de la Francophonie [V]

OPENING REMARKS

Dr. Matthias Mück, President and GCC Chairman, Canada Meets Germany Network [M]

INTRODUCTION INTO THE THEME

"Security Considerations for AI Enabled Autonomy in Avionics" [V]
Charles Morgan, Partner – Technology, McCarthy Tétrault LLP

EST		CET
9:15 – 10:45 am	AI ENABLING AUTONOMY IN AVIATION	15:15 – 16:45

PRESENTATIONS

"UN Principles for a Responsible Use of AI" [M]

Chrystelle Damar, Strategic Planning and Coordination Officer, ICAO – International Civil Aviation Organization

"AI Testing in Autonomous Drone Control: Challenges and Best Practices" [B]

Michael Fink, General Manager, cofortytwo

"Security Considerations for AI Enabled Autonomy in Avionics" [M]

Prof. Dr. Gabriela Nicolescu, Head of Department of Computer and Software Engineering, Polytechnique Montréal

"Master360: Developing an Automatic Take-Off and Landing Strategy Implemented on a Research Helicopter" [B]

Dr. Ferdinand Eisenkeil, Research Engineer Situational Awareness, Airbus Helicopters

"Leveraging AI to Enhance Pilot Training" [M]

Erick Fortin, Director Engineering Incubation Lab, CAE

PANEL DISCUSSION

Moderator / Co-Moderator:

Alexander Thamm, www.alexander-thamm.de [B]
Vera Kühr, GCC Steering Committee [M]

Panelists:

Chrystelle Damar, Strategic Planning and Coordination Officer, ICAO [M]
Michael Fink, General Manager, cofortytwo [B]
Prof. Dr. Gabriela Nicolescu, Head of Department of Computer and Software Engineering, Polytechnique Montréal [M]
Dr. Ferdinand Eisenkeil, Research Engineer Situational Awareness, Airbus Helicopters [B]
Erick Fortin, Director Engineering Incubation Lab, CAE [M]

10:45 – 11:15 am	**Coffee Break**	16:45 – 17:15

[M] – from Montréal, [B] – from Berlin, [V] – via video

EST		CET
11:15 am – 12:45 pm	**AI PUSHING SPACE BOUNDARIES**	17:15 – 18:45

PRESENTATIONS

"Applying AI: The Future of Space Operations" [B]

Leonard Schlag, Mission Tecnology Developer & Data Scientist, DLR – German Aerospace Center (German Space Operations Center)

"Keeping Space Sustainable with AI" [M]

Frédéric Pelletier, Chief Scientist, Northstar Earth & Space

"Smart Robots for Planetary Exploration – How much AI is feasible?" [B]

Dr. Thomas Vögele, Senior Researcher, DFKI – German Research Center for Artificial Intelligence

"Challenges and Opportunities of Edge AI in Space" [M]

Dr. Michele Faragalli, CTO, Mission Control

"AI in Action: Automatic Object Recognition in Spaceborne SAR Imagery" [B]

Dr. Oliver Lang, Head of SAR Monitoring Services, Airbus Defence and Space

PANEL DISCUSSION

Moderator / Co-Moderator:
Alexander Thamm [B] / **Vera Kühr** [M]

Panelists:
Leonard Schlag, Mission Tecnology Developer & Data Scientist, DLR [B]
Frédéric Pelletier, Chief Scientist, Northstar Earth & Space [M]
Dr. Thomas Vögele, Senior Researcher, DFKI [B]
Dr. Michele Faragalli, CTO, Mission Control [M]
Dr. Oliver Lang, Head of SAR Monitoring Services, Airbus Defence and Space [B]

12:45 – 1:00 pm	**Wrap-up and Conclusions** **Benoit Cyrenne**, Director of Communications, CRIAQ – Consortium for Research and Innovation in Aerospace in Québec	18:45 – 19:00
1:00 – 2:00 pm	**Networking Lunch** at McCarthy Tétrault	

[M] – from Montréal, [B] – from Berlin, [V] – via video

FIELD TRIP – MONTRÉAL

Centech
1000 rue Saint-Jacques, Montréal, QC, H3C 1G7

EST	
2:00 – 2:30 pm	**Transfer** to Field Trip location
2:30 – 5:00 pm	**Visit** of **Centech**

WELCOME REMARKS

"Presentation of Centech and its Ecosystem"

Julian Lucchesi, Director, Development & Strategic Partnerships, Centech

"Presentation of AI@Centech"

Julian Wauquiez, Lead AI Start-up Accelerator AI@CENTECH, Thales

PITCHES

AI Redefined (AIR)
Zetane Systems
NGC Aerospace
Let's Warp

COFFEE BREAK

PITCHES

NorthStar Earth & Space
Xona Space Systems
Lux Aerobot
Shearwater Aerospace

CLOSING

NETWORKING RECEPTION – BERLIN

AVIASPACE BREMEN

Ministry of Economic Affairs, Ports and Transformation
Free Hanseatic City of Bremen

Botschaft von Kanada

Embassy of Canada
Leipziger Platz 17, 10117 Berlin

	CET
Networking at **Embassy of Canada**	19:00 – 22:00

Scan QR code to access document online

NETWORKING RECEPTION – MONTRÉAL

AVISEO

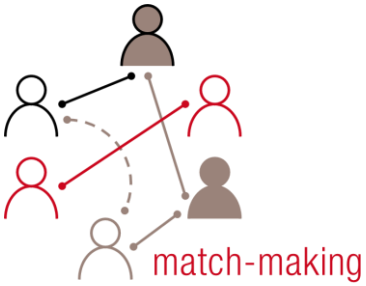
Consulate General
of the Federal Republic of Germany
Montreal

State of Bavaria
Montreal Office

Aviseo Conseil
451 Sainte-Catherine Ouest, Suite 301, Montréal, QC,
H3B 1B1

EST	
5:00 – 5:30 pm	**Transfer** to Networking Reception location
5:30 – 9:00 pm	**Networking** at **Aviseo Conseil**

MATCH-MAKING AND NETWORKING TOOLS



The German Canadian Concourse is about match-making and networking.

Bringing together German and Canadian thought leaders from relevant industries, academic institutions and the public sector during the day-long event creates a unique opportunity to generate transatlantic linkages between participants.

The German Canadian Concourse format, which traditionally uses a live video-link connecting the German and Canadian Concourse Hubs during the Transatlantic Symposium, also offers a custom match-making service built into the conference itself. As part of this service, attendants at the GCC will have access to participant profiles generated during the registration (and presented in this brochure under section "List of Participants") to get in contact with people in the audience with matching interests.

VIRTUAL NETWORKING CHATROOMS

The outreach to conversation partners at a Concourse Hub across the Atlantic is facilitated through two virtual chatrooms. At both symposium locations, two video booths are connected to the chatrooms. During networking lunches and coffee breaks, the GCC community is invited to experiment with the chatrooms and to engage in virtual transatlantic networking.

The chatrooms are implemented using the web-based **whereby.com** platform. They can be accessed with a browser (or the Whereby smartphone app) by typing in the respective web address shown in the chatroom description below.

Get started and connect to a discussion with the other GCC Hub. Bring your smartphone to the coffee table and invite people to take part in an exciting new networking experience, brought to you by the German Canadian Concourse.

Chat room	General Networking	AI in Aerospace
Web address	https://whereby.com/GCCnetworking	https://whereby.com/GCCaierospace
Description	This chatroom is open for general transatlantic networking, not necessarily focussed on this year's GCC topic. Use this chatroom to meet counterparts interested in expanding German-Canadian cooperation.	This chatroom is open for an exchange on the GCC 2023 conference topic "AI in Aerospace". Use this chatroom to discuss your experiences in the field of AI and aerospace and meet potential partners for collaborations.

MATCH-MAKING FOLLOW-UP

Following the conference, participating organizations will be contacted to identify unmet or additional match-making needs to achieve transatlantic goals in connection with the conference topic.

Scan QR code to access document online

PROGRAM CONTRIBUTORS

SPEAKERS AND PANELISTS

Benoit Cyrenne
Director of Communications
CRIAQ – Consortium for Research and Innovation in Aerospace in Québec

Benoit Cyrenne has been CRIAQ's Communications Director since October 2023. He holds a master's degree in marketing from HEC Montréal and was previously vice-president in a public relations and government relations firm. He was also a partner in a marketing consulting firm for ten years.

Chrystelle Damar
Strategic Planning and Coordination Officer
ICAO – International Civil Aviation Organization

Chrystelle Damar is currently working in the ICAO Strategic Planning, Coordination and Partnerships Office where she coordinates organizational-wide initiatives to advance innovation at ICAO, in particular on enhancing the interface between ICAO member states and the innovation community. In her current role, she also chairs the Humanitarian Assistance and Disaster Response in Aviation (HADRA) expert group.

For the past 17 years, she has held various position in public affairs, environmental management and international policy, with the aim to make people work together for the delivery of a sustainable future for international civil aviation.

She holds a master's degree in Strategy, Public and Political Decision-Making

Dr. Ferdinand Eisenkeil
Research Engineer Situational Awareness
Airbus Helicopters Germany

Research Engineer, Software Developer, SDR Situational Awareness | Airbus Helicopters – Donauwörth | December 2022 – today: Coordination of research projects and system/software development in the field of autonomous flight and system design for situational awareness suites.

System Engineer, Software Developer & Project Manager | Airbus Defence & Space – Manching | April 2020 – November 2022: Team organization and system/software development in national software change projects for the Eurofighter display & control subsystem.

Project Manager Development Live Training Systems | IABG mbH – Ottobrunn | May 2016 – March 2020: Business development for contract development and development management in various software projects.

Research Assistant and PhD Student | University of Constanz | December 2011 – January 2016: Development of human-machine interaction concepts for head-mounted displays in helicopter cockpits.

Dr. Michele Faragalli
Chief Technology Officer
Mission Control Space Services

Dr. Michele Faragalli is the Chief Technology Officer at Mission Control where he oversees technology development, R&D initiatives, and product strategy. At Mission Control, he has led the concept through to flight of two Deep Learning algorithms: one deployed onto an ESA Earth observation satellite and one on ispace's Hakuto-R lander, the first Deep Learning algorithm flown beyond Low Earth Orbit. He has also led the development of multiple space robotic systems at all TRL (technology readiness level) across multiple space agencies and private space companies since 2006, including lunar rover and lander systems flown to the Moon in 2022. He holds a Ph.D. and M.Eng. in Mechanical Engineering from McGill University, an M.Sc. in Space Studies from the International Space University and a B. Eng from Memorial University of Newfoundland. Dr. Faragalli holds an Adjunct Research Professor position in the Department of Mechanical & Aerospace Engineering at Carleton University and has published extensively in the fields of robotics, artificial intelligence, and space exploration.

Michael Fink
General Manager
cofortytwo

Michael Fink, Managing Director of cofortytwo GmbH, based in Bamberg (Germany), was born on September 29, 1973. He has impressive expertise in the areas of IT, project management and gamification. After his start as a software developer, his interest in project management in various industries grew. His knowledge includes R&D leadership, IT security, encryption, network infrastructure and artificial intelligence with a focus on implementing the latest techniques in projects. His holistic approach, even from unusual perspectives, also characterizes his involvement in a wide variety of projects. These qualifications and skills underline his considerable added value in the companies in which he successfully applies his expertise in areas such as autonomous flying and medical technology. Currently, he and his company are focusing on consulting and the development of an autonomous AI-controlled firefighting drone.

Erick Fortin
Director Engineering, Incubation Lab
CAE

Erick Fortin is Director of Engineering for CAE's innovation and incubation laboratory named Lab52. In this role, Erick is actively involved in developing strategic initiatives that support CAE's commitment to advancing the future of air mobility.

With 25 years of experience managing engineering teams, he has led incubation projects and initiatives in various fields including aeronautics (civil and defense), mining, and healthcare.

Erick is known for his ability to foster innovation across organizations, particularly through his collaborative approach and his deep expertise in high-fidelity simulation, augmented and mixed reality, and virtual training platforms. Over the past years, in line with CAE's mission, his teams have developed several innovative products to enhance training and equip people in critical roles, helping to make the world a safer place.

Erick holds a bachelor's degree in engineering (specialization in Computer Science) from the École Polytechnique de Montréal and is a certified PMP (Project Management Professional).

Dr. Oliver Lange
Head of SAR Monitoring Services
Airbus Defence and Space

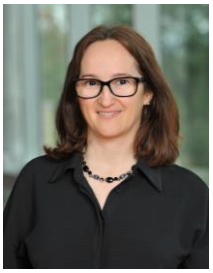
Oliver Lang is currently heading the SAR-Monitoring team at Airbus Defence and Space. He graduated in 1997 in Geophysics and gained an PhD in remote sensing in 2002. In his professional career he was working as researcher at the German Aerospace Center DLR and as software engineer in the industry.

Earth Observation and Radar remote sensing, in particular, is a recurring theme through his whole career. With his team, Oliver is developing and deploying operational turnkey solutions based on remote sensing data, comprising for example maritime surveillance, surface deformation monitoring and object detection. In particular for the latter, the use of AI results provides a massive progress in terms of quality and efficiency. The present development focus of Oliver and his team is the efficient training of AI models for automatic radar image interpretation.

Charles Morgan
Partner
McCarthy Tétrault LLP

Charles Morgan is the national co-leader of McCarthy Tétrault's Cyber/Data group, former leader of the firm's Technology Law group and Past President of the International Technology Law Association. He is a recognized thought-leader on the responsible deployment of artificial intelligence. Charles' practice takes a 360-degree approach to data, helping clients extract the tremendous value inherent in data, while at the same time managing the associated risks. Charles regularly serves as breach coach for clients in matters of enterprise-wide risk, including three of the largest cyber incidents in Canadian history. Charles' practice is focused on advising many of McCarthy's largest clients on their most complex commercial transactions involving IT outsourcing, systems integration, cloud, financial technologies, cybersecurity, data monetization, privacy, AI, licensing, e-commerce, and telecommunications. Co-author of several books, including Responsible AI: A Global Policy Framework (ITechLaw, 2019), Technology Governance in a Time of Crisis (Human Technology Foundation, 2020), Responsible AI: A Global Policy Framework (2021 Update), The EU AIA: A Greenpaper Policy Analysis (2022) and Artificial Intelligence, Law Over Borders Comparative Guide 2022.

Prof. Dr. Gabriela Nicolescu
Professor, Head of Computer and Software Department
Polytechnique Montréal



Gabriela Nicolescu is professor and director of the Department of Computer and Software Engineering at Polytechnique Montréal. She holds a doctorate degree from National Polytechnic Institute from Grenoble, France and a master and engineering degree from Polytechnic Bucharest, Romania. Her research interests are in the field of design methods for secure and efficient current and future architectures of embedded systems. She is very active in the field of system-level design methods, modelling, simulation, and security by design. She works in collaboration with several industrial partners and academics. She published more than 240 papers in international conferences and journals.

Frédéric Pelletier
Chief Scientist
NorthStar Earth & Space

Fred has been a key architect of the NorthStar system that will continuously detect and track space objects with unprecedented speed and precision.

Previously at NASA, Fred was the Navigation Team Chief for the New Horizons mission to Pluto and the Kuiper belt, where he guided the space probe to the Kuiper Belt Arrokoth encounter in 2019, marking the farthest and most primitive object ever explored by a spacecraft.

Fred was a lead navigator for the Cassini-Huygens mission to Saturn, the Insight and Curiosity Mars landers. He received his Master of Aerospace Engineering in 2000 from the University of Texas at Austin and his Bachelor of Science in mechanical engineering from the Université Laval in 1998.

In 2018, the International Astronomical Union has accepted "Pelletier" as permanent name for asteroid 177722 2005-GJ205, recognizing Fred's contributions for New Horizons. In recognition of his achievements, Fred also received the 2019 Alouette award from the Canadian Air and Space Institute.

Leonard Schlag
Mission Technology Developer & Data Scientist
DLR – German Aerospace Center

After earning his master's degree in mathematics from the Technical University of Munich in 2014, Leonard Schlag joined the Mission Control and Data Systems group which is part of the Mission Technology department at the German Space Operations Center (GSOC) at DLR. He took part in and contributed to multiple Launch and Early Orbit Phases such as for the GRACE Follow-On mission. His main areas of focus are the development of tools for improving and automating spacecraft operations as well as researching and applying AI technologies in the domain of space operations.

Dr. Thomas Vögele
Senior Researcher
DFKI – German Research Center for Artificial Intelligence

Dr.-Ing. Thomas Vögele is a Senior Scientist at the Robotics Innovation Center (RIC), which is operated by the German Research Center for Artificial Intelligence DFKI GmbH in Bremen, Germany.

Dr. Vögele holds a PhD in Computer Science and Artificial Intelligence from Bremen University. The focus of his work is on "embodied artificial intelligence", i.e., a combination of Artificial Intelligence and Robotics to develop smart and autonomous mobile robots. Among others, he coordinated several European R&D projects related to the exploration of planetary surfaces with single robots and multi robot teams and organized extensive field tests of robotic systems in Analogue Missions.

MODERATOR

Alexander Thamm
Moderator
www.alexander-thamm.de/moderation

Alexander Thamm is moderator by passion. He is dedicated to issues of international dialogue, civil society, innovation, and business trends. He moderates panels, conferences and workshops, in Germany and internationally. For ARD Alpha he is presenter of a TV show on megatrends. His clients include agencies and Ministries of the German Government, companies, foundations and NGOs. With Julia Pfinder he founded Kosmopolis.org, from dialogue to action.

In his previous career, Alex worked in leading management positions for major foundations (Körber Foundation, German Marshall Fund, Bertelsmann Foundation and others) and within a broad range of civil society and public institutions. Alexander studied political science in Bath, Bonn, Grenoble and Munich. He engages also privately in international dialogue and the issues of equality, diversity, poverty and inclusion. He lives in Berlin and the Bavarian alps.

CO-MODERATOR

Vera Kühr
Board Member (Vice President)
Canada Meets Germany Network

CANADAMEETSGERMANY NETWORK e. V.

Vera Kühr is a Board Member of the Canada Meets Germany Network, and Vice President. In addition to this, Vera volunteers with the German Canadian Association. Personal bonds to Nova Scotia had sparked her interest in transatlantic topics and eventually motivated her to join both organizations in 2016.

In her professional career as patent attorney and partner of a law firm, she mainly focuses on biotechnological inventions, medical devices, and also computer-implemented inventions.

PROGRAMMATIC ADVISORS

Christina Arend
Board Member (Treasurer)
Canada Meets Germany Network

CANADAMEETSGERMANY NETWORK e. V.

Christina is a founding and Board Member (Treasurer) of the Canada Meets Germany Network and has as such been part of the GCC development from day one.

In her professional career as Senior Advisor and Deputy Head of Division “Start-ups and Business Financing” at the Ministry for Economic Affairs, Labour and Energy of the State of Brandenburg, Christina is active in shaping the regional strategies when it comes to fostering start-ups and entrepreneurship and the start-up ecosystem in Brandenburg.

Having family ties to Ontario, Christina has developed a strong interest in the German-Canadian relations. Apart from the activities around the Canada Meets Germany Network and the GCC, Christina is also volunteering with the Deutsch-Kanadische Gesellschaft (German-Canadian Society) in her role as Board Member Business Relations.

Dr. Matthias Mück
Board Member (President)
Canada Meets Germany Network

Matthias is the founding President of the Canada Meets Germany Network and Chairman of the German Canadian Concourse since its inauguration in 2012. Matthias has developed strong ties with Canada during his post-graduate studies in Toronto. As a manager of international space programs, transatlantic relations continue to play an important role in his professional life.

Matthias's professional background is in the space sector. He currently works at the German Aerospace Center (DLR) as Head of Department at the Responsive Space Cluster Competence Center. Before joining DLR, Matthias worked for twelve years at the Airbus Group and its subsidiaries ArianeGroup and Eurockot in different management functions in Germany and France. He started his career in the aerospace sector at the European Space Operations Center.

Inji Yaghmour
International Affairs Advisor
Ministère des Relations internationales et de la Francophonie, Québec

Inji Yaghmour is an International Affairs Advisor at the Ministère des Relations internationales et de la Francophonie du Québec. She is part of Hospitality Policy for International Organizations team. Among her key projects, she fosters collaboration between international organisations in civil aviation established in Montréal and Québec's aerospace ecosystems.

In her previous mandate she contributed to international collaboration in research and innovation between Québec and Germany, particularly in the field of aerospace, AI and health. She still strongly supports the German Canadian Concourse. She has been the secretary of Québec's interministerial committee for the pre-negotiations of what is now kwon as CETA. She has a background in business administration and cumulates more than 20 years of experience in the establishment of partnerships between Québec and international partners.

LIST OF PARTICIPANTS

Name	Position	Company / Organization	attending in
Altaf Allah Abbassi	Student	Polytechnique Montreal	Montréal
Dr. Riad Abed	Principal Coordinator, Program Management and Special Projects	Consortium for Research and Innovation in Aerospace in Quebec (CRIAQ)	Montréal
Thomas Andersen	GF	Andersen Marketing KG	Berlin
Götz Anspach von Broecker	Key Account manger Research and Technolgy Partnerships	Airbus Defence and Space GmbH	Berlin
Ines Anspach von Broecker	Head of Operations	GI2CC - Technology Startegy, Marketing Support and Public Relation	Berlin
Christina Arend	Member of the Board	Canada Meets Germany Network e. V.	Berlin
Frédéric Arsenault	Manager	State of Bavaria Montréal Office	Montréal
Susanne Aschi	Consul General of Germany	Consuate General of Germany	Montréal
Alain Aubertin	CEO	CRIAQ - Consortium de recherche et d'innovation en aérospatiale au Québec	Montréal
David Ausserhofer	Photographer	GCC	Berlin
Jannis Balke	Projektmanager	AVIASPACE BREMEN e.V.	Berlin
Alexander Balke	Research Assistant	Technische Universität Berlin	Berlin
Yacine Benaoudia	Student	École Polytechnique de Montréal	Montréal
Dr. Mohamed Khalil Ben-Larbi	Group Lead	TU Berlin	Berlin
Anouar Boumeftah	Student	Polytechnique Montréal	Montréal
Stéphane Bouzelmat	Partner	Aviseo	Montréal
Rebecca Braun	Vice-Consul and Trade Commissioner	Consulate of Canada in Düsseldorf	Berlin
Esther Caouette	International Cooperation and Internship Coordinator	Polytechnique Montreal	Montréal
Tora Chirila	Photographer	Tora Photography	Montréal
Chris Cocosco	CC	Cocosco	Berlin
Bryan Cooke	Supervisor, Satellite Engineering	Calian	Montréal
Benoit Cyrenne	Director of Communications	CRIAQ	Montréal
Pierre Daligault	Conseiller aérospatiale	Ministère de l'Économie, Innovation et Énergie	Montréal
Chrystelle Damar	Strategic Planning and Coordination Officer	ICAO	Montréal
Arnaud Déau	CRIAQ Portfolio Project Manager	Consortium for Research and Innovation in Aerospace in Quebec (CRIAQ)	Montréal
Dr. Jennifer Decker	Consul National Research	Consulate of Canada in Munich	Berlin
Dr. Marwa Dehbal	CRIAQ Portfolio Project Manager	Consortium for Research and Innovation in Aerospace in Quebec (CRIAQ)	Montréal
Nicolas Dionne	Student	Polytechnique Montréal	Montréal
Nancy Doumit	Manager, PLM functional Analyst	Pratt & Whitney Canada	Montréal
Bérénice Dubois	student	Polytechnique Montréal	Montréal

Wolfgang Dutiné	Director	de Malsi ltd	Berlin
Felix Eid	M.Eng	Polytechnique Montreal	Montréal
Ferdinand Eisenkeil	Research Engineer	Airbus Helicopters	Berlin
Dr. Michele Faragalli	Chief Technology Officer	Mission Control Space Services	Montréal
Michael Fink	General Manager	cofortytwo GmbH	Berlin
Michael Fischer	Partner	Forresters IP	Berlin
Erick Fortin	Director Engineering	CAE	Montréal
Riana Gagnon	Student	Polytechnique Montreal	Montréal
John Gradek	Faculty lecturer	McGill University	Montréal
Dr. Paul Grouchy	Director, AI	MDA Inc.	Montréal
Maeva Guerrier	PHD Student	Polytechnique Montreal - MIST LAB	Montréal
Marc Hafemeister	Research Assistant	German Aerospace Center (DLR)	Berlin
Olivier Jobin	Director, Economic affairs	Investissement Québec	Berlin
Marc Jochemich	Head of DLR	German Aerospace Center	Montréal
Margit Kaesser	Consultante Sénior, Stratégie et Innovation	INNOVITECH	Montréal
Alexander Kaptein	Head of Future SAR Programs	Airbus Defence and Space GmbH	Berlin
Jordan Khan	Counsellor	Embassy of Canada	Berlin
Dorian Kieken	Founder	AI Redefined	Montréal
Agnes Kolodziej	Senior Project Manager	Robert Bosch Stiftung	Berlin
Vera Kühr	Vice President / GCC Steering Committee	German Canadian Concourse	Montréal
Vincent Lachance	CEO	Lux Aerobot	Montréal
Dr. Oliver Lang	Head of SAR-Monitoring Services	Airbus Defence and Space	Berlin
Rémi LECERF	Chief Strategy Officer	REACTION DYNAMICS	Montréal
Cindy Leclerc	Internships & Jobs Service	Polytechnique Montreal	Montréal
Etienne Leclerc-Jolette	Directeur, Consultation Stratégie et Innovation	INNOVITECH	Montréal
Mengqi Li	PhD Student	Polytechnique Montreal	Montréal
Jessie Malone	Desk Officer - Germany	Québec - Ministère des Relations internationales et de la Francophonie	Montréal
Carmen Marcu	Senior Advisor Stakeholder	Canadian Space Agency	Montréal
Dave Mbiazi	Masters Student	Polytechnique Montreal	Montréal
Rolf Mehnert	CDO/Partner	Fuenfwerken Design AG	Berlin
Denis Merkwirth	Managing Director, Europe	Invest Alberta	Berlin
Dr. Camilla Mohrdieck	Senior Expert Multi-Source Integration	Airbus Defence and Space GmbH	Berlin
Charles Morgan	Partner	McCarthy Tetrault	Montréal
Dr. Matthias Mück	Head of Space Segment, Responsive Space Cluster Competence Center	German Aerospace Center (DLR)	Montréal
David Neveu	Vice-President Aerial Systems	NGC Aerospace	Montréal
Mikaela Ngamboe	Student	Polytechnique Montreal	Montréal

André Nguimbous	PhD student	polytechnique de Montréal	Montréal
Junnie Nguyen	Student	Polytechnique Montreal	Montréal
Prof. Gabriela Nicolescu	Professor, Head of Computer and Software Engineering Department	Polytechnique Montréal	Montréal
Dr. Daniel Novak	Programme Manager	Airbus	Berlin
Timilehin Ogundare	AI Researcher	Polytechnique of Montreal	Montréal
Oliver Pape	International Relations	German Aerospace Center (DLR)	Montréal
Frederic Pelletier	Chief Scientist	NorthStar Earth & Space	Montréal
Nicolai Pogadl	Senior Manager	Canadian German Chamber of Industry and Commerce	Montréal
Dr. Jose quesada	ceo	data science retreat	Berlin
Fabian Reinecker	Associate Director	IBM	Berlin
Geneviève Rolland	Déléguée Générale	Délégation générale du Québec à Munich	Berlin
Olivier Roy	Trade Commissioner	Embassy of Canada	Berlin
Birgit Ruderer	Wirtschaftsattaché	Vertretung der Regierung von Québec	Berlin
Leonard Schlag	Missiontechnology Developer & Data Scientist	DLR - German Aerospace Center	Berlin
Daniel Schulten	Business Development Director - Space	Airbus Defence and Space Canada	Montréal
Francine Schulz	Manager International Affairs & Sustainability	Hamburg Aviation	Berlin
Dr. Arndt Schwaiger	Entrepreneur, Business Angel and Advisor	Dr. Arndt Schwaiger	Berlin
Francis Senay	Satellite Engineer	Calian	Montréal
Maria Shaw	Consultant	Euroconsult	Montréal
Prof. Enrico Stoll	Chairholder	Chair Of Space Technology, TU Berlin	Berlin
Isabel Tadayon	Student Assistance	DLR Project Management Agency	Berlin
Alexander Thamm	Moderator, Founder & Connector	Kosmopolis.org	Berlin
Audrey Traore	Student	Concordia University	Montréal
Armelle Treguer	students	Polytechnique Montréal	Montréal
Dr. Thomas Vögele	Senior Researcher	DFKI Robotics Innovation Center	Berlin
Alexander Vorwerk	International Affairs	Ministry of Economic Affairs, Ports and Transformation / Free Hanseatic City of Bremen	Berlin
Gil Weisman	CTO	DRONE DES CHAMPS INC.	Montréal
Inji Yaghmour	Conseillère en affaires internationales	Ministère des Relations internationales et de la Francophonie - Québec	Montréal
Zhanyi Yang	Student	TU Berlin	Berlin

as of 28 November 2023

COMPANY PRESENTATIONS

SPONSOR – FORRESTERS

FORRESTERS
Clear direction
Patent and Trade Mark Attorneys

A Full-service Intellectual Property Law Firm in Germany and the UK

Our Services

Forresters is a full-service intellectual property (IP) law firm handling all IP matters including patents, trade marks and designs.

We have a fully-staffed and practising office in Munich and can provide services in German patents, trade marks, designs and Utility Models, as well as IP licensing agreements, IP contracts and employee inventor rights.

Together with our UK-based team we file and prosecute patent applications at the UKIPO, European Patent Office and World Intellectual Property Office – enabling us to directly manage a wide range of rights for our clients in a large number of jurisdictions. We are experts in getting patent applications through to grant and are the first choice for many clients to handle their difficult cases because we have a very high success rate.

Why Forresters is unique

- Our "Clear Direction" ethos is at the heart of our practice. We make our clients' lives easier by giving them Clear Direction. It's about delivering clear, sensible and practical advice.
- The size of the Forresters team is key. We are large enough to have strength in depth but small enough to maintain a personal relationship.
- We do everything we can to make things easy for our clients. We are positive and proactive and use our knowledge and experience to suggest paths through the prosecution process. We get great results without placing a great burden on our clients.

Our approach

At Forresters we love building meaningful relationships with our clients. We often gain new clients because of the personal relationships we have nurtured over many years. A significant proportion of new clients come to us by referral from our network. We work hard to really get to know our clients, and it is testament to the strength of these relationships that clients frequently retain Forresters as outside counsel throughout their careers. We retain our clients by doing great work, and we are fortunate that some of our clients have been us for decades.

Our working style is practical and engaged. We give advice that is proactive and focused on making the process as easy and efficient as possible for our clients.

We pay close attention to detail and will leave no stone unturned in the attempt to achieve the outcomes desired by our clients. We take a commercial view of our clients' intellectual property and give practical recommendations, which we believe will serve them well.

Contact us

MUNICH OFFICE
munich@forresters-ip.com
+49 (0)89 2441 2990

LONDON OFFICE
marketing@forresters-ip.com
+44 (0)20 7283 8989

COOPERATING PARTNER – MINISTÈRE DES RELATIONS INTERNATIONALES ET DE LA FRANCOPHONIE (MRIF) QUÉBEC

Québec

La mission du ministère des Relations internationales et de la Francophonie (MRIF) est de diriger l'action internationale du gouvernement et assurer le développement économique, le rayonnement de l'identité et la défense des intérêts du Québec. Notre vision : une organisation agile et performante, reconnue pour sa capacité à porter les ambitions et l'identité du peuple québécois sur le plan international.

Pour atteindre ses objectifs, le MRIF assume les responsabilités suivantes :

- *assurer la représentation du Québec à l'étranger;*
- *conseiller le gouvernement et développer des politiques sur toute question ayant trait aux relations internationales;*
- *planifier, organiser et diriger l'action à l'étranger du gouvernement ainsi que celle de ses ministères et organismes (MO);*
- *établir et maintenir les relations avec les gouvernements étrangers ainsi qu'avec les organisations et les forums internationaux;*
- *s'assurer de la mise en oeuvre de la Vision internationale du Québec (VIQ) et des stratégies territoriales;*
- *mener des actions de diplomatie économique et d'influence afin de faire avancer les intérêts du Québec en matière de commerce international et de prospection d'investissements étrangers;*
- *veiller à la négociation et à la mise en oeuvre des engagements internationaux conclus par le gouvernement du Québec et aux intérêts du Québec lors de la négociation et la mise en oeuvre de tout accord international du gouvernement du Canada, portant sur une matière ressortissante à la compétence constitutionnelle du Québec;*
- *favoriser le renforcement des institutions francophones internationales auxquelles le gouvernement participe, en tenant compte des intérêts du Québec;*
- *favoriser l'établissement et la rétention sur le territoire du Québec d'organisations internationales et de représentants de gouvernements étrangers;*
- *soutenir l'action des organismes de coopération internationale (OCI) québécois ainsi que celle des villes, des organisations et des institutions québécoises oeuvrant à l'étranger;*
- *assurer une veille et réaliser des recherches, des études et des analyses sur les enjeux géopolitiques et économiques mondiaux, les risques et les occasions d'affaires pour le Québec.*

Par ses représentations à l'étranger, le ministère des Relations internationales et de la Francophonie offre aux entreprises, aux créateurs, aux chercheurs et aux institutions québécoises des services, des conseils et des activités adaptés aux caractéristiques des divers pays de son réseau.

Selon l'importance des postes (délégation générale, délégation, bureau ou antenne) et des relations qu'elles entretiennent avec les pays hôtes, les représentations offrent des services dans les secteurs d'activité qui relèvent de la compétence constitutionnelle du Québec, soit l'économie, l'éducation, la culture, l'immigration et les affaires publiques.

LOGO SPONSOR – POLYTECHNIQUE MONTRÉAL

POLYTECHNIQUE MONTRÉAL

Polytechnique Montréal is an internationally recognized engineering university. Located in the heart of Montréal on Mount Royal, it is renowned for the high quality of the training offered at all levels, and for its multidisciplinary and multisectoral research, at the forefront of the local, national and international engineering.

Approaching its 150th anniversary, it now welcomes more than 10,000 students and relies on the expertise of nearly 1,600 staff members with diverse skills, including more than 300 professors.

Polytechnique Montréal's Department of Computer and Software Engineering hosts around 1,500 students and 400 are graduate students. With 43 professors and five full-time lecturers, the Department is a research leader in several sectors, such as Trusted AI, Cybersecurity, Software Engineering, Cyber-physical Systems and Biomedical. The Department hosts several Canada Research Chairs, CIFAR chairs, FRQs chairs and industrial chairs. The department is actively involved in the IMC2 cybersecurity institute and IVADO Consortium.

For more information on the Software and Computer Engineering Department research activity please visit: https://www.polymtl.ca/gigl/recherche

Contact

Prof. Dr. Gabriela Nicolescu
gabriela.nicolescu@polymtl.ca
Head of the Soaftware and Computer Engineering Departement

LOGO SPONSOR – CAE

CAE

At CAE, we equip people in critical roles with the expertise and solutions to create a safer world. As a technology company, we digitalize the physical world, deploying software-based simulation training and critical operations support solutions. Above all else, we empower pilots, cabin crew, airlines, defence and security forces and healthcare practitioners to perform at their best every day and when the stakes are the highest. Around the globe, we're everywhere customers need us to be with more than 13,000 employees in approximately 250 sites and training locations in over 40 countries. CAE represents more than 75 years of industry firsts – the highest-fidelity flight, mission and medical simulators and training programs powered by digital technologies. We embed sustainability in everything we do. Today and tomorrow, we'll make sure our customers are ready for the moments that matter.

Read our FY23 Global Annual Activity and Sustainability Report.

SESSION HOST – MCCARTHY TÉTRAULT

With immense experience in privacy, AI, cybersecurity, data protection, and information governance and a significant track record in advising clients across industries on novel and complex areas of law, McCarthy Tétrault's Cyber/Data Group can help you protect and exploit your digital assets, leverage the value of data, and develop responsible AI practices, all while cementing digital trust.

At the Vanguard of Artificial Intelligence Law

The integration of AI technology across the world continues to accelerate. Companies across sectors are deploying AI-enhanced technologies that are changing the way their businesses run. However, while these transformative technologies present unprecedented opportunities for efficiency and growth, their risks are equally significant. We understand deploying AI requires a comprehensive, principles-based approach that incorporates legal, ethical, and societal considerations. Our team will not only help you navigate legal and competitive challenges, but also consider the broader implications of AI usage in your specific organization.

Our group is at the forefront of legal developments in this fast-moving space. We regularly contribute to well-regarded publications and we will make sure you stay ahead of the curve through our thought leadership and active participation in legal developments that are transforming the AI landscape. Scroll to the bottom of this page to see a full list of recent publications authored by our Cyber/Data team.

Our unique combination of hands-on AI-implementation experience, combined with our deep expertise in privacy, cybersecurity, intellectual property, and commercial transactions will provide you with an approach that leverages the benefits of AI, minimizes potential risks, and keeps you ahead of the regulatory curve.

Why McCarthy Tétrault

Our team works seamlessly across borders, advising global organizations on some of the largest cybersecurity incidents and regulatory investigations in Canadian history.

- **Comprehensive cross-practice solutions**: Our multidisciplinary team includes commercial and regulatory lawyers as well as top-ranked commercial and class action litigators with hands-on experience dealing with data breaches and privacy violations.
- **Single access point**: Our tightly integrated, full-service platform ensures you'll have access to all our capabilities across practices and industries including competition law, healthcare, retail, financial services, and technology.
- **Hands-on AI expertise**: Our experience implementing AI solutions for legal service delivery positions us among the most innovative firms in the world. We leverage our direct experience to dig deeper in helping our clients conduct their due diligence, mitigate AI transactional risks, and implement mature AI governance processes consistent with international best practices.
- **Unparalleled thought leadership on responsible AI**: As privacy, cyber, data, and AI experts, members of our group are regularly invited to contribute to publications, and speak at global privacy, data and cybersecurity conferences.

NETWORKING RECEPTION HOST – AVIASPACE BREMEN

AVIASPACE BREMEN

European Union
Investing in Bremen's Future
European Regional
Development Fund

City of Aerospace Bremen/Bremerhaven:
Centre for Aeronautics and Space Industries

More than 140 enterprises and 20 science institutes power the aeronautics and space industries in the German federal state of Bremen. More than 12,000 employees in the industry generate revenues of more than 4 billion euros per year. Leading companies such as the Airbus Group, ArianeGroup, Rheinmetall Electronics, OHB, and their suppliers contribute significantly to this success. The Ministry of Economic Affairs, Ports, and Transformation creates the financial and organizational framework for the design and implementation of the aeronautics and space industries strategy.

AVIASPACE BREMEN e.V. oversees the network and participation in innovation projects necessary for the implementation of the operational goals of the innovation strategy.

NETWORKING RECEPTION HOST – AVISEO CONSEIL

AVISEO

In May of 2015, two Québec consultants formerly with SECOR and then KPMG established Aviseo Conseil as a way to put their concrete and innovative solutions to questions and needs of public and private sector organizations in Québec and Canada, all while maintaining an entrepreneurial spirit and human scale. Every year since then, Aviseo has committed to being at the heart of the optimal development of Canada's current and next generation of leading organizations by providing a portfolio of leading-edge economic, strategic, and transformative consulting services.

Today, over 40 professionals between Québec and Montréal make up the province's largest 100% Québec-owned consulting firm and combine their industry expertise and insight to help our clients to achieve their vision and set their projects in motion.

Economics

- Municipal and urban studies
- Economic development
- Market studies
- Economic impact studies
- Economic forecasting
- Public policy and program analysis
- Labour market studies

Strategy

- Strategic planning
- Market studies and forecasting
- Sectorial diagnostics
- ESG planning
- Business plans
- Due diligence
- Business performance analysis

Transformation

- Organizational transformation and change management
- Strategic and operational project implementation support
- Digital transformation
- Support in energy transition
- Operational and strategic risk management
- Business model evolution

If you have questions or require assistance in future project, please contact

Jean-Pierre Lessard, Partner
+1 418.208.5830
jplessard@aviseo.ca

NETWORKING RECEPTION HOST – GERMAN CONSULATE GENERAL MONTRÉAL

Consulate General of the Federal Republic of Germany Montreal

The **German Consulate General in Montréal** – with its administrative district of Québec (except Gatineau) – is part of Team Canada. Together with our colleagues at the German Embassy in Ottawa and the Consulates General in Vancouver and Toronto, we are working to further deepen the close and cordial relations between Germany and Canada.

To be part of the Team Canada means to share different areas of work. The Consulate General in Montréal is committed to promoting economic and trade relations between Québec and Germany, especially in innovation, mobility, transport, energy, and artificial intelligence. We could not do this successfully without close Canadian and German partners, including the Canadian German Chamber of Industry and Commerce. We regularly hold workshops and events on these topics with our partners.

There are also close ties in the field of science. More and more German scientists are working with Canadian universities and research institutions and vice versa. Here, too, the issues of the future of artificial intelligence, energy, mobility and aerospace are of particular interest. The province of Québec has a lot to offer in this regard. And vice versa, the German Academic Exchange Service offers a broad variety of opportunities for Canadian students and professors who want to study and research in Germany.

The Alexander von Humboldt German School in Baie-d'Urfé is a particularly international location. Not only do children from Germany and Canada learn together here, but also young people from Eastern Europe, Latin America, Asia, and Africa.

Montréal and Québec are so livable not least because of their active cultural scene. The Goethe-Institut in the "Quartier des Spectacles" is an important part of this dynamic atmosphere. It is financed by the Federal Foreign Office and organizes numerous film evenings and cultural events in which German and Canadian artists, musicians and other cultural actors work together.

Here in Québec, we can proudly look back on a long tradition: Germany has had a career consulate in Montréal for 130 years now. Our goal is to bring the people of Germany and Québec closer together, to exchange ideas on the challenges of our times, from the pandemic to issues of climate change to digitization, etc. and to learn from each other.

FIELD TRIP HOSTS – AIRBUS

AIRBUS

Airbus is a global pioneer in the aerospace industry, operating in the commercial aircraft, helicopters, defence and space sectors. The Company is a leader in designing, manufacturing and delivering aerospace products, services and solutions to customers on a worldwide scale.

Artificial Intelligence is used in Airbus to provide assistance/automation capabilities for example for:

- Supporting classification and perception tasks, based on static and dynamic behaviors, using images, videos, sensor measurements, speech and text employing computer vision, natural language processing and time series analysis.
- Supporting prediction tasks using physics, past experience or both approaches together doing hybrid modelling
- Supporting decision making tasks: Based on inputs from the perception step, complemented by the use of predictive models

During the GCC's Field Trip and Transatlantic Symposium, experts from Airbus Defence and Space and Airbus Helicopters will provide insights into new services and on-going development activities using artificial intelligence covering the domains of space mission management, Earth observation services, defence, and helicopter operations.

FIELD TRIP HOST – CENTECH

CENTECH

Centech and Collision Lab

Centech is an ecosystem that propels technological innovation and entrepreneurship projects from science and engineering. Open to all, Centech was founded in 1996 by the École de technologie supérieure. Thanks to its Acceleration and Propulsion programs, Centech acts as a real instrument of growth, thus creating one of the largest concentrations of technology entrepreneurs in the start-up phase in Quebec and Canada. Centech is among the top 10 university business incubators in the world according to UBI Global in 2021-2022.

Collision Lab is Centech's open innovation hub. Since its creation in 2018, Collision Lab has supported large companies from different sectors in their open innovation initiatives by offering them personalized services to foster collaborations with technology startups and university talents.

Why collaborate with the Collision Lab?

- Identification and evaluation of innovative technology startups
- Connections with startups and support in setting up your innovation projects
- Launch of programs on sectoral and/or technological themes in corporate accelerator mode
- Organization of corporate events and development of the entrepreneurial culture
- Join a community of innovation-focused partners and startups
- Presence in the Centech (Planetarium)

ORGANIZER OF THE GERMAN CANADIAN CONCOURSE

CANADA MEETS GERMANY NETWORK

The German Canadian Concourse is a brand of the **Canada Meets Germany Network e. V.**, a non-profit association registered in Germany.

The Canada Meets Germany Network has emerged from an initiative by a former Canadian Ambassador to Germany with substantial support from the Canadian and German Federal governments. The aim of Canada Meets Germany is to establish a solid and lasting foundation for dialogue between the two countries.

The Canada Meets Germany Network provides a framework for dedicated professionals from a variety of fields including business, politics, academia, science, culture, and the media to meet and exchange ideas.

The **German Canadian Concourse is the flagship project** of the Canada Meets Germany Network and provides a platform for exploration of innovative topics in a German-Canadian context.

German Canadian Concourse

www.GermanCanadianConcourse.org

contact@GermanCanadianConcourse.org

/company/german-canadian-concourse

@GerCanConcourse

/photos/german-canadian-concourse/albums

/channel/UCdhrrJHTL6Dv7B9BrzbqUiw

Canada Meets Germany Network e. V.

Schnitterweg 7
65207 Wiesbaden, Germany

www.CanadaMeetsGermany.net
contact@CanadaMeetsGermany.net

Scan QR code to access document online

NOTES

SPONSOR

FORRESTERS
Clear direction
Patent and Trade Mark Attorneys

LOGO SPONSORS

POLYTECHNIQUE MONTRÉAL

CAE

COOPERATING PARTNER

Québec

PARTNERS / SESSION HOSTS

mccarthy tétrault

Botschaft von Kanada

Consulate General
of the Federal Republic of Germany
Montreal

AIRBUS

AVISEO

State of Bavaria
Montreal Office

CEN TECH

Ministry of Economic Affairs,
Ports and Transformation

Free
Hanseatic City
of Bremen

AVIASPACE
BREMEN

PROGRAM CONTRIBUTIONS

AIRBUS

CAE

cofortytwo

CRIAQ
Consortium de recherche et d'innovation en aérospatiale au Québec

dfki ai

DLR

ICAO

mccarthy tétrault

MISSION CONTROL

POLYTECHNIQUE MONTRÉAL

NORTHSTAR
EARTH & SPACE

@GerCanConcourse

/company/german-canadian-concourse

www.GermanCanadianConcourse.org