



WIA VIRTUAL SPEED MENTORSHIP PROGRAM

CONNECT. LEARN. SOAR.





Be a mentee
Today

program structure for mentees

- Choose which mentor tables to visit with no pre-matching, and move freely between virtual rooms like an in-person networking event
- Participate in multiple rounds of small-group mentoring sessions
- Connect with aerospace and space professionals while asking questions about careers, leadership, technical pathways, and industry insights
- Access mentorship preparation resources and a training video from WIA Canada featuring Nikki Morshedi and Brenda Landry from Evoke Consulting
- Learn how to define your goals, craft your elevator pitch, strengthen communication skills, and build meaningful mentor relationships

After the program Mentees will:

- Understand the purpose and objectives of mentorship
- Understand how to choose a mentor and the rules of engagement
- Have prepared a draft development plan, a network map, and an elevator pitch to review with their mentor
- Feel more confident networking with industry professionals
- Know how to introduce themselves professionally and effectively
- Gain insights into aerospace and space career pathways
- Feel prepared for mentorship and networking conversations
- Build stronger communication and professional relationship skills
- Be ready to actively participate in future WIA networking and mentorship opportunities

DR. SARAH GALLAGHER

Director, Institute for Earth
and Space Exploration

WESTERN UNIVERSITY



Availability : 12 pm -1:30 pm

Dr. Sarah Gallagher is a Professor of Physics and Astronomy and the Director of the Institute for Earth and Space Exploration at Western University. She is recognized as a Fellow of the Canadian Association of Physicists for her research on the energetic winds from growing supermassive black holes and advocacy for inclusion in science and the space sector.

From 2018-2022, she served as the first Science Advisor to the President of the Canadian Space Agency and is currently the Past President of the Canadian Astronomical Society.

MENTOR & MODERATOR

DANIEL SAX

Founder and CEO

CANADIAN STRATEGIC MISSIONS CORPORATION (CSMC)



Availability : 12 pm -1:30 pm

Daniel Sax is a Canadian entrepreneur, investor, and space industry leader focused on building technologies that support the future of humanity both on Earth and beyond. He is the Founder & CEO of [Canadian Strategic Missions Corporation \(CSMC\)](#), a Canadian space and defence company developing advanced dual-use technologies in areas including space infrastructure, micro nuclear reactors, robotics, quantum systems, and lunar resource utilization.

Under his leadership, CSMC has gained national attention for projects supporting the future lunar economy, including LunaPure — an innovative lunar water purification system that won the Canadian Space Agency’s Aqualunar Challenge. The technology is designed to purify contaminated lunar ice into usable water for astronauts, future Moon habitats, oxygen production, and potential rocket fuel generation.

Before founding CSMC, Daniel built a career across real estate investment, capital markets, mergers & acquisitions, and venture investing, participating in over \$4 billion in real estate transactions across North America and Europe. He has also worked across emerging industries including aerospace, mining, energy, hospitality, blockchain, and biotechnology.

Known as a “literal moonshot proponent,” Daniel is passionate about solving large-scale global challenges through bold innovation, interdisciplinary collaboration, and long-term strategic thinking. His work focuses on creating technologies that can improve life on Earth while enabling humanity’s expansion into space.

A large image at the bottom of the page showing an astronaut in a white spacesuit standing on the surface of the moon. The moon's surface is covered in craters, and the Earth is visible in the background against a starry space. A rocket launch is visible on the right side of the image.

MENTOR & PANELIS

MELISSA CASS

Sr. Director Business Transformation



MDA SPACE

Availability : 10:30am -1:30 pm

As Sr Director of Business Transformation, Melissa uses her 27 years in the aerospace industry to lead strategic company-wide business transformation projects that enable the simplification and modernization of how we work at MDA Space.

She is a systems, operations and safety engineering professional with Masters degrees focused in Aviation Safety & Accident Investigation and Space Science, from Embry-Riddle Aeronautical University.



MENTOR
&
PANELIS

DANIEL SCHULTEN

Director Business
Development Space Canada



AIRBUS DEFENCE AND SPACE

Availability : 12 pm -1:30 pm

Daniel Schulten is the Airbus Business Development Director for Space based in Ottawa, ON. Prior to joining Airbus, Daniel has been responsible for business development of several space programs both at MacDonalD Dettwiler and Associates (MDA) and Space Systems Loral (SSL) in the US.

In 1998, Daniel attended the International Space University Summer Session in Cleveland, Ohio. He has a Master's Degree in Mechanical Engineering of the University of Twente in the Netherlands.



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MENTOR
&
PANELIS

NANCY BARBER

President

WOMEN IN AEROSPACE - CANADA



Availability : 10:30am -1:30 pm

An aerospace senior executive with over 20 years of in-depth experience in operations, supply chain, and program management, Nancy Barber has spent much of her career in a product development environment involving large-scale clean sheet commercial and business aircraft programs. Nancy owns her own consulting business, Barber Complete Consultancy Inc, and is currently active in the aerospace industry, focused on leadership development, mergers & acquisitions, commercial strategy, product strategy and business development.

Nancy previously held positions at Bombardier Business Aircraft of Chief Operating Officer, as well as Vice President, Program Management, Global 7500, where she led proactive management of milestones and cost commitments supporting the successful entry into service as well as the subsequent ramp up of the largest purpose-built business aircraft world-wide. Nancy is a passionate promoter of women in aerospace serving as a mentor, coach, and speaker.

In 2020, Nancy was named one of Canada's Top 100 Most Powerful Women, and the Northern Lights Aero Foundation awarded her with the Elsie Award in recognition of her outstanding contributions to aviation and aerospace in Canada.



MENTOR

SAJEDAH RUSTOM

Chief Executive Officer
AVIAPRO CONSULTING



Availability : 10:30am -1:30 pm

A seasoned Aerospace Executive, Sajedah brings over twenty five years of expertise in global strategy, business transformation, and operations leadership across commercial and business aviation. Her career spans product and service design, sales enablement, aftermarket innovation, and customer experience excellence.

Sajedah is the Chief Executive Officer of AviaPro Consulting, a leading global aviation advisory firm serving airlines, airports, authorities, and industry partners with specialized strategic, operational, and technical solutions. Under her leadership, AviaPro delivers high-impact consulting services that optimize performance, resilience, and growth across the aviation ecosystem.

Prior to joining AviaPro, she served as CEO and Board Director of AJW Technique, the MRO arm of AJW Group. She led the company's strategy, innovation, and execution across European and Canadian service centers, while also overseeing the Group's global People and Marketing strategies, fostering a culture of quality, inclusion, and learning.

Previously, Sajedah held senior leadership roles at Bombardier Aerospace, where she designed and managed cost-by-hour programs for the Q400, CRJ, and CSeries aircraft. She also drove reliability and supply chain programs and later executed the transformation of the Global Express, Challenger, and Learjet aftermarket, delivering double-digit growth and operational efficiency worldwide.

A recognized industry leader, she was named one of Canada's Top 100 Employers in Aerospace in 2020. She currently serves as Vice Chair of the Women in Aerospace Board, is a Tech Board Member, and coaches executives through her "Lead to Learn" transformation programs.

Sajedah is fluent in English and French and holds a Bachelor and Masters degree from the University of London, England, along with certifications in Six Sigma, Lean Management, Agile, and Business Process Engineering. Outside of aviation, she is passionate about mentorship, charitable work, and youth development. She enjoys art, food, global travel, kickboxing, and spending time with her three daughters.

MENTOR

LINDSEY CHAPMAN

Sr. Account Manager
Aerospace, Physical AI,
Manufacturing
NVIDIA

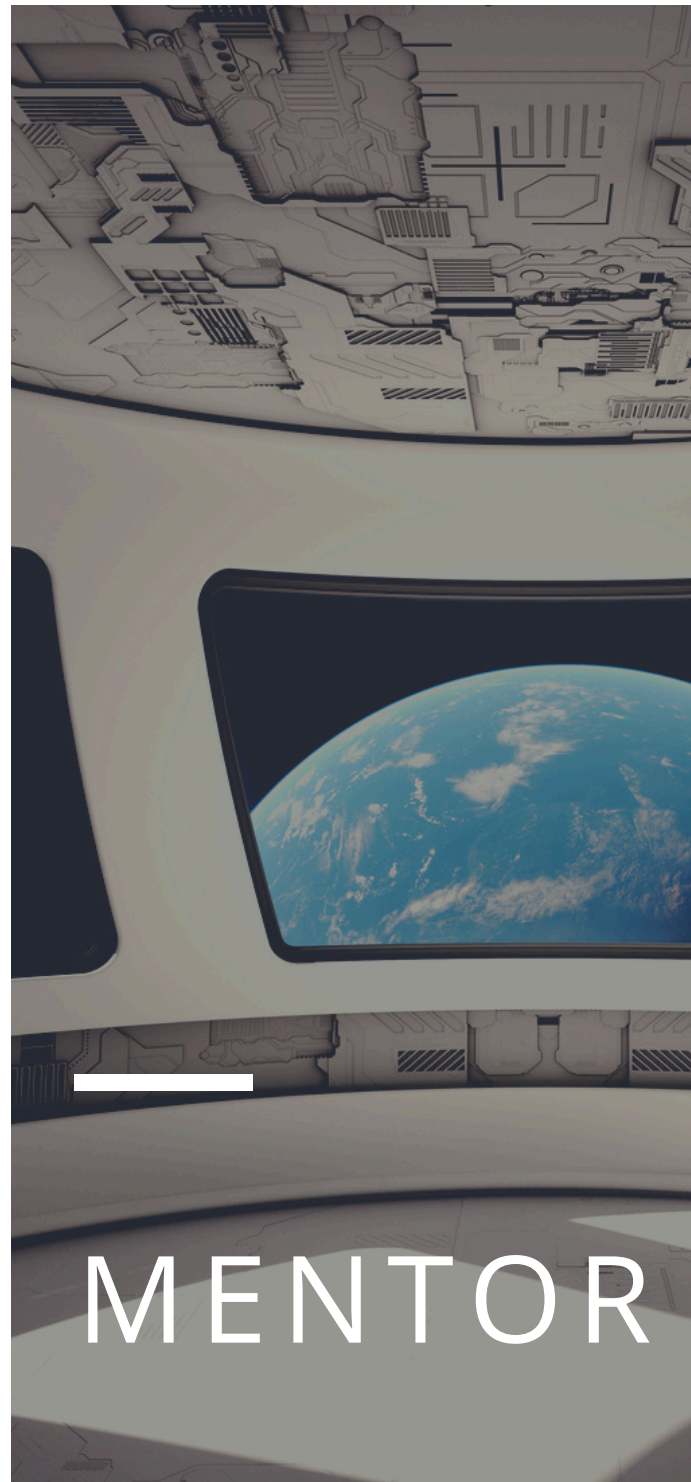


Availability : 10:30am -1:30 pm

Lindsey is a Sales Executive at NVIDIA where she supports strategic growth across manufacturing, robotics, retail, aviation, and aerospace sectors. With over 20+ years experience in technology Sales, she collaborates with Canadian organizations to harness the power of AI and accelerated computing, helping drive innovation and transformation across industries.

Previously, Lindsey served as Vice President of Global Sales, driving marketing and partnerships in Aerospace and Defense, leading international initiatives that supported advanced technology adoption in space and defense programs. Her work included applications with organizations such as Axiom Space, NASA, and Intuitive Machines, contributing to the evolution of commercial spaceflight and lunar exploration.

Beyond her technical and strategic roles, Lindsey is an enthusiastic science communicator. She has hosted a space-themed quiz show, combining education and entertainment to spark curiosity and engage the public in space science. She has previously contributed to advancing women in STEM as a mentor through Women in Communications and Technology.



MENTOR

HEATHER FENN

Canadian Helicopters Training
Development Lead
PILOT TRAINING CONSULTANT



Availability : 10:30am -1:30 pm

Heather Fenn is the Canadian Helicopters Training Development Lead for the Future Aircrew Training (FACT) Program, where she is collaboratively establishing the new Juno helicopter training program.

With over 25 years of aerospace experience, Heather has developed a comprehensive view of the aviation sector from the cockpit to the executive level. She began her career at age 17 by joining the military, serving for 20 years as a pilot commanding both fixed-wing and rotary-wing aircraft. Transitioning to commercial aviation leadership, she served as Director of Flight Operations for an aerial fire suppression company, where she managed fleet emergency response protocols, operational controls, and crew standards.

Today, Heather combines her deep technical expertise and front-line flight experience to deliver quality in military flight training development. A passionate advocate for diversity in STEM and defense, she serves as a mentor for Women in Aerospace, leveraging her senior strategic insights to inspire and guide the next generation of female aviation leaders.



MENTOR

DR. SHAWNA PANDYA

Commercial Canadian Astronaut VIRGIN GALACTIC



Availability : 10:30am -1:30 pm

Shawna Pandya is a Canadian physician, scientist-astronaut candidate, aquanaut, and space medicine leader recognized for her work in human spaceflight, aerospace medicine, and exploration. She is the first named female Canadian commercial astronaut and is scheduled to fly with Virgin Galactic through the International Institute for Astronautical Sciences as early as 2026.

Dr. Pandya serves as VP of Immersive Medicine at Luxsonic Technologies and holds leadership roles in aerospace and medicine, including Director of the IIAS Space Medicine Group and Assistant Clinical Professor at the University of Alberta. She is also an Associate Fellow of the Aerospace Medicine Association and Fellow of The Explorers Club.

Her background spans neuroscience, medicine, and space studies, with degrees from the University of Alberta and the International Space University. She has completed extensive astronaut and extreme-environment training, including parabolic flights, underwater analog missions, wilderness medicine, centrifuge, and spacecraft egress training.

Dr. Pandya's work includes neuroscience experiments aboard the International Space Station, commercial spaceflight medicine, and payloads connected to missions such as Axiom Mission 2 and Polaris Dawn.

Beyond aerospace, she is also a martial artist, advanced diver, skydiver, musician, and multilingual communicator fluent in English, French, and Gujarati.

ADAM PIERCEY

Director, Safety & Mission
Assurance

KEPLER COMMUNICATIONS INC



Availability : 10:30am -1:30 pm

Adam has been working in the space industry for the last 5+ years, building, developing, and leading teams on programs as large as Canadarm3! His journey started out in more humble beginnings though, and has taken me to roles in the green energy, medical device, nuclear, and industrial sectors. I enjoy talking about how to help people reach their goals and the steps needed to get there.

His specialties include: Product Design, Project Management, Public Speaking, Risk Management, System Testing, Team Leadership, Technical Presentations, Quality Assurance, Quality Management

Adam is not only a technologist and tester, he is also an innovator and leader.



MENTOR

TIM YEE LEE

Manager of Core Airworthiness
BOMBARDIER



Availability : 10:30am - 12 pm

An industrious, Industrial Engineer, Tim Yee Lee is Bombardier's Aircraft Design & Development Safety Officer and Manager of Core Airworthiness. Marking over 25 years with Bombardier, she is a Principal Engineering Specialist having worked on commercial and business aircraft programs; ensuring safety and reliability, from clean sheet design to designs of the next generation.



MENTOR

ALEX TSOULIS

Senior Advisor Bus Dev & Advanced Technologies
MITSUBISHI HEAVY INDUSTRIES
CANADA AEROSPACE (MHICA)



Availability : 10:30am -1:30 pm

Alex has over 37 years of experience with McDonnell Douglas, Boeing and Mitsubishi Heavy Industries Canada Aerospace (MHICA).

Alex has extensive experience in the design and development of commercial aircraft (regional jet through wide body), military aircraft (transport, helicopter, fighter) and business jet (light to heavy) platforms.

He is involved in initial concepts, product implementation and product / fleet support. Covering life cycle technical, quality, schedule and cost activities in an Integrated Product Team (IPT) environment.

Alex has puts a large emphasis on advanced design, advanced manufacturing technology, global collaboration and business development.

He has had considerable long term interaction with government, university, research and industry organizations.

Alex graduated with a Bachelor of Technology Degree in Mechanical Engineering, and Diploma in Aerospace Engineering Technology from Ryerson University (now Toronto Metropolitan University).



MENTOR

DR. MIKE PAVELEC

Strategy and Doctrine
DND 3 SPACE DIV



Availability : 10:30am -1:30 pm

Dr. Pavelec earned his doctorate at The Ohio State University in 2004, in the history of science and technology with a military focus. His dissertation was the basis for his first book, *The Jet Race and the Second World War*. He taught at Hawaii Pacific University, the U.S. Naval War College, the School of Advanced Air and Space Studies (SAASS), Air Command and Staff College, and the Joint Advanced Warfighting School (JAWS). He was back at ACSC before transitioning to the Department of Spacepower, which is now the Schriever Space Scholars at Johns Hopkins University – SAIS. He was the director of the Schriever Space Scholars before returning to Montreal, Canada. He currently teaches sessional classes at McGill and is an advisor for the 3 Canadian Space Division for strategy and policy.

A prolific writer, Dr. Pavelec has eight books in print, including his latest study on *American Airpower: The History, Theory, and Art of Air Warfare* (Naval Institute Press, 2026), and has written extensively on airpower, spacepower, and technology. He has two books under contract including his current research on a cultural comparison of air and space technology in its early years. You can catch him on the History Channel and the Smithsonian Channel in his ongoing military history and aviation shows. When not advising, teaching and writing he enjoys riding his BMW motorcycle and visiting craft breweries.



MENTOR

HOSS MORSHEDI

Founder
MORENG



Availability : 10:30am -1:30 pm

Hoss Morshedi is the Founder of MorEng, a Canadian recruitment firm focused exclusively on aerospace and defence. Before MorEng, he spent over a decade in agency recruiting and led talent acquisition for a Canadian aerospace firm, scaling engineering and technical teams inside regulated programs. He helps startups, primes, and MROs across the country hire the engineers, technicians, and licensed professionals they need to build, deliver, and scale. Hoss mentors students and early-career professionals navigating their first steps in the Canadian A&D market.



MENTOR

MADISON C. FEEHAN

CEO & President
SPACE COPY INC.



Availability : 10:30am -1:30 pm

Madison C. Feehan, CEO & Founder, established Space Copy to address the logistics & sustainability challenges of space & remote Earth operations. With a background in International Business and Entrepreneurship, she achieved an Associates Degree from Harvard Business School and a Bachelor of Commerce from the University of Victoria.

Feehan was also employed by NASA's Planetary Science and Astrophysics divisions for 6 years, leading the development of early TRL dual-use technology for space. Madison is an ISRU Technologist at Signet Solis, and holds multiple advisory positions in Space Commerce and Space Interoperability with the United Nations (COPUOS), and Interplanetary Chamber of Commerce. Madison leads company strategy, operations, and long-term vision execution.

The background of the bottom section features a dark blue, abstract graphic with glowing nodes and connecting lines, resembling a network or data visualization. Overlaid on this is the word "MENTOR" in large, white, sans-serif capital letters.

MENTOR

SILVIA BIANCHI

Director programs
DEHAVILLAND CANADA



Availability : 10:30am -1:30 pm

Silvia Bianchi is the Director of Programs at De Havilland Aircraft of Canada. Silvia's passion for Aerospace has led to a truly global career, gaining professional experience in Canada, the USA, Italy, South Africa and Japan. With a strong focus on leading multinational product development teams, Silvia worked for companies such as Ferrari, Mitsubishi Aircraft Corporation and Bombardier. Notable products include the Ferrari Enzo, the award-winning Diamond DA42, Bombardier Global 7500 and Mitsubishi Regional Jet.

Silvia holds the Advanced Management Program from Harvard Business School, a Master's degree in Aeronautical Engineering from the University of Pisa, a Master's degree in Aerospace Engineering from the University of Kansas, and an MBA from Northwestern University's Kellogg School of Management. Additionally, Silvia is a designated PMP and registered professional engineer both in Canada and in Italy.

Silvia is a Fellow of the Royal Aeronautical Society, a mentor of the Space Generation Advisory Council and of the Royal Aeronautical Society (ALTA). She is one of the funding members of the Women in Aerospace Europe working group created to increase the number of women in C-Suite. Silvia has been also selected as Mentor for the Space4Women Mentorship Program created by the United Nations Office for Outer Space Affairs (UNOOSA).

Silvia is also a Director of the Board Women in Aerospace Canada and of Harvard Aerospace & Defense Alumni Organization (HADAO).

MENTOR



BRENDA LANDRY

President
EVOKE CONSULTING



Availability :10:30am -12 pm

Brenda Landry is the President of Evoke Consulting. She brings over 20 years of experience in consulting and executive facilitation roles with expertise in leadership, communications, and executive advisory. Brenda is passionate about developing and empowering others and has worked with thousands of leaders around the world to develop their courage and confidence.

Brenda has a Master of Business Administration in executive management consulting from Royal Roads University and a Bachelor of Arts in psychology from Saint Mary's University. Brenda is also the author of the book, FLAUNT.

Evoke Consulting Inc. is a corporate training organization who is committed to helping leaders to achieve their vision through adopting a strategic mindset, feeling and projecting confidence, and communicating with impact.

A dark blue background with a grid pattern. It features several data visualization elements: a line graph with circular markers showing an upward trend, a bar chart with vertical bars of varying heights, and a network diagram with interconnected nodes. At the bottom, a hand is shown holding a pen, with the word 'MENTOR' written in large white letters across it.

MENTOR

CHRISTIE GIBSON

Lawyer
MCMILLAN LLP



Availability : 10:30am -1:30 pm

Christie Gibson is a leading lawyer and trusted advisor whose practice focuses on the space sector and sophisticated land development matters. She is praised for her meticulous and collaborative approach, practical advice, strategic insight and exceptional focus on client needs, qualities that continue to set her apart in the field. Highly skilled in navigating legislative and policy reform and advising clients in rapidly evolving markets, she offers timely expertise on novel matters and high-stakes disputes.

Christie leverages her deep expertise in municipal, land use planning, and environmental law and remarkable skill developed from working closely with technical experts in STEM to navigate the rapidly evolving regulatory landscape of Canada's aerospace industry. Notable for her thought leadership, Christie has published on relevant topics, including the seminal proposed Canadian Space Launch Act, the country's first purpose-built legislation supporting the space sector.

Christie has held several leadership roles in industry, including within the Ontario Bar Association, Canadian Bar Association, Cambridge Forum, and Urban Land Institute, and is a member of the Royal Astronomical Society of Canada. She also volunteers with Shad Valley Canada, running workshops on lunar development.



MENTOR

MELISSA REYES (LCOL)

Lieutenant-Colonel
(retired)
CANADIAN ARMED FORCES



Availability : 10:30am -1:30 pm

Lieutenant-Colonel (retired) Melissa Reyes served over thirty-five years as a Canadian Armed Forces (CAF) officer (Communications and Electronics Engineering Officer (CELE) and specialized in space capabilities for the CAF. Her various military experiences, around the world and Canada, have given her a sound knowledge of satellites and space systems, operations, and management. Among her many assignments, Melissa worked at the Canadian Space Agency, 12th Space Warning Squadron Greenland, North American Aerospace Defense (NORAD) Headquarters, and Kandahar Airfield (Afghanistan). She finished her CAF years as the Section Head for Intelligence, Surveillance, and Reconnaissance Space Systems, within the Royal Canadian Air Force. She is now working as a civilian space analyst to help address military space capability gaps in order to build a Canadian military that is shaped, prepared and ready for the future.

Melissa received her Master of Sciences Degree in Remote Sensing (satellite imagery), from the University of Colorado, and completed the International Space University / Space Studies Program in 2012. Melissa has been involved in many Sciences, Technology, Engineering and Mathematics (STEM) initiatives and employment equity groups and events throughout her military career. She is grateful and honoured to have served with an extraordinary group of military members, public servants and colleagues as well as civilian organizations, making some lasting friendships and to have also made friendships through her participation in CAF sports. She is also honoured for the opportunity to be a mentor for Women in Aerospace – Canada.

MENTOR

JOHN WRIGHT

Chairman
JPOM CANADA INC



Availability : 10:30am -1:30 pm

John's diverse industry experience of 30+ years ranging from technical and managerial roles in globally recognized corporations (Northrop Grumman, Honeywell, British Aerospace, GE Aerospace) to hands-on management of smaller technology-based enterprises lends him an in-depth understanding of aerospace/defence and technology sectors – large to small. John brings a proven track record in pursuit and capture of major aerospace, defence and security procurements, mergers and acquisitions experience, private-to-public company transitions, and associated financing. John co-authored background documents that contributed to Jenkins and Emerson commissions conclusions which, in turn, resulted in the Defence Procurement Reform.

John's continued contributions to a plethora of industrial and academic bodies including the CADSI SME Committee, the NSERC/ISED NCE review process, the Canadian Institute for Photonic Innovations, and the AIAC Small Business Committee – among others – complement a breadth of expertise that is a valued asset to JPOM Canada. John founded JPOM in 2007.

KYLE BOYKO

President & Board Chair
INSPIRETECH CANADA CORP



Availability : 10:30am -1:30 pm

Kyle Boyko is the President & Board Chair of InspireTech Canada Corp which is a Not for Profit and Non Government Organization www.inspiretechcanada.ca The mission of InspireTech Canada is to empower learners to use their STEM Education as a launch pad when they enter the workforce. The organization focuses on providing trajectory changing experiences to students such as F1 in Schools/ www.stemracing.ca and the MoonShot series of events which develop real-world, transferable skills.

He is also the CEO & Founder of InspireTech Global Inc, which is a for profit, Enterprise Technology company built on AWS www.inspiretechglobal.ca

InspireTech Global focuses on the two core sectors. One the advancement of (CTE) Career & Technical Education enabling learners to build capacity to become; "Creators & Makers" by accessing the courses and content contained in the www.inspiretech.ca CTE Skills Platform. The other core area is providing, the Public Sector agencies, with the infrastructure to generate enterprise savings through cloud migration.

In these roles he strives to leave a lasting impact on the world's Next Generation of Great Minds. After spending 18 years in the Imaging Technology industry; Kyle had the opportunity in 2016 to connect with students and teachers in the Parry Sound and Muskoka regions focused on competitive robotics & cybersecurity. Recognizing a need to increase awareness and build more sustainable resources and opportunities for youth; InspireTech Canada was born.

Subsequently offering several thousand students in Canada with the ability to participate in STEM related events.

Driven by the personal need to create otherwise impossible opportunities for his own children, Kyle is a self-motivated lifetime entrepreneur that is keen to create positive change through innovation and collaboration.

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MENTOR



MARITZA BLASQUEZ

Program Engineering
Specialist
BOMBARDIER



Availability : 10:30am -1:30 pm

Experienced engineering professional originally from Monterrey, Mexico, living in Canada for over 25 years. Holding a degree in Industrial Engineering from Universidad Regiomontana, complemented by a postgrad in Project Management from George Washington University, along with a PMP certification.

Maritza brings a diverse and well-rounded background across manufacturing and engineering, with experience spanning heavy equipment, telecommunications, and—most notably—the aerospace industry. This includes close to three years at Honeywell Aerospace as a Systems Project Engineer.

Over the past 14 years, she has continued to build deep expertise in aerospace, including 12 years at Bombardier where she played key roles starting as a Project Engineer on the Global 5500 and 6500 programs and later progressed to Program Specialist on the Global 7500, supporting sustaining engineering activities across multiple aircraft systems. Also contributed to the Global 8000 program, supporting engineering, systems integration, and flight test activities. Most recently, she has been involved in new development programs (currently under NDA), further strengthening her experience in complex program execution and cross-functional collaboration.

MENTOR

DAVID DIAZ

Sr. Space Systems &
Avionics Engineer
NORDSPACE



Availability :12 pm - 1:30 pm

David Diaz is the Senior Space Systems & Avionics Engineer at NordSpace, where he works on advanced avionics systems for the Taiga rocket and contributes to Canada's growing sovereign launch capabilities. He completed both his undergraduate and Master's degrees in Electrical and Computer Engineering at Toronto Metropolitan University.

Prior to joining NordSpace, David spent over a decade at MDA, contributing to aerospace and biotechnology projects including FPGA development, space-bound camera systems, Canadarm3 support systems, and MicroPrep — a microfluidics lab-on-chip platform designed for DNA and blood analysis in space.

David is passionate about pushing Canada beyond participation in space missions toward true leadership in launch systems and space exploration. He is recognized for combining deep technical expertise with a forward-thinking vision for the future of aerospace, innovation, and sovereign launch capability in Canada.



MENTOR

DR. BRITT WISEMAN

Emergency Medicine
resident
UNIVERSITY OF ALBERTA

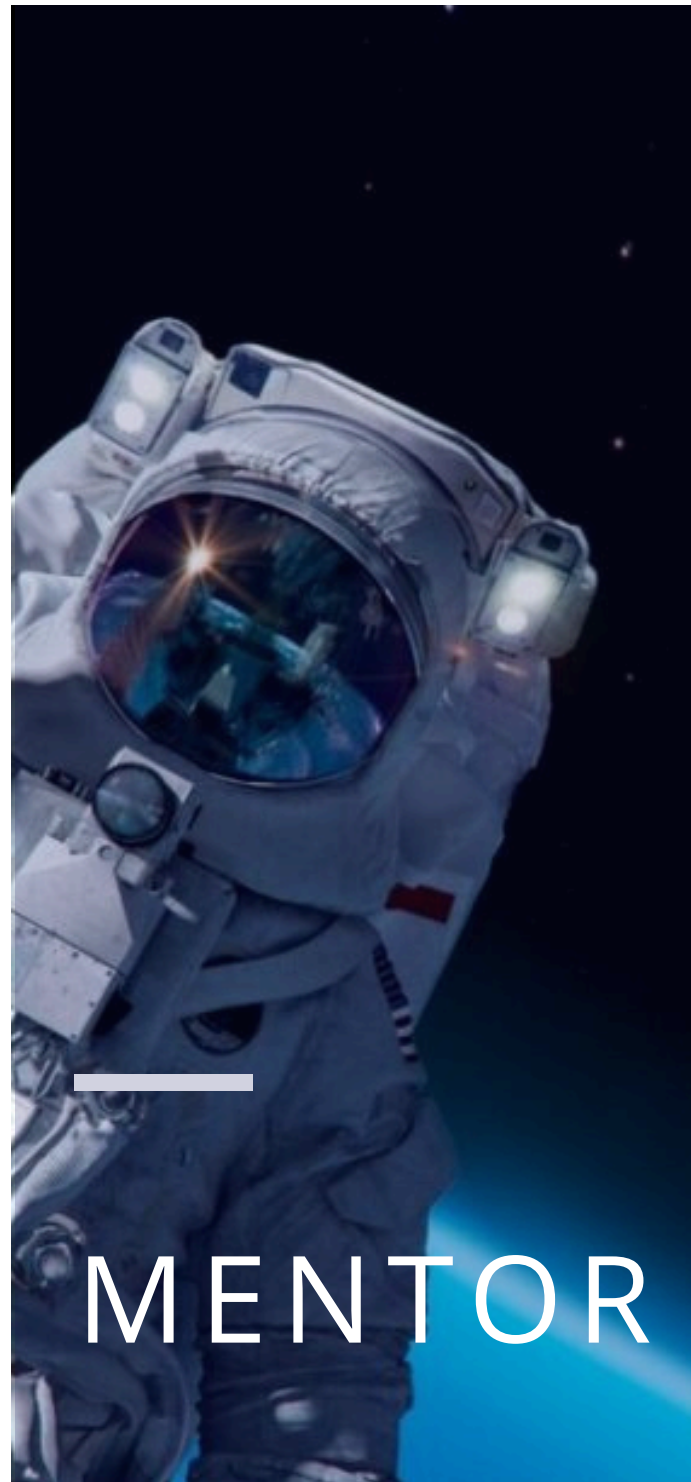


Availability : 10:30am -1:30 pm

Dr Britt Wiseman is an incoming Emergency Medicine resident in Vancouver at the University of British Columbia, recently completing her MD at the University of Alberta. Her work spans clinical emergency medicine research, aerospace medicine innovation, health equity, and mentorship initiatives aimed at supporting students entering the space sector in Canada. She holds leadership positions in several aerospace groups including the Canadian Society of Aerospace Medicine (CSAM), the Aerospace Medicine Student and Resident Organization (ASMRO), Zenith Canada Pathways, and is a team member on the Aerospace Medicine Podcast (AMP).

Britt has contributed to projects with organizations including the University of Alberta, Concordia University, the Aerospace Medical Association and the International Space University, where she was selected as a scholarship student by the European Space Agency to attend the 2023 Space Studies Program (SSP23).

Outside of medicine, Britt is a private pilot working towards her commercial license, an ultramarathon runner, and a SCUBA diver. She is passionate about helping students navigate non-traditional pathways into aerospace medicine and creating opportunities for women and underrepresented groups in the space sector.



MENTOR

LUCY MA

Biomedical Engineering,
PHD
UNIVERSITY OF TORONTO



Availability : 10:30am -1:30 pm

Lucy Ma is a 3rd year Biomedical Engineering PhD student at the University of Toronto, whose research integrates synthetic biology and regenerative medicine. Co-supervised by Dr. Michael Garton and Dr. Penney Gilbert, she engineers human-induced pluripotent stem cells (iPSCs) and derived skeletal muscle tissues to deliver therapeutics for chronic genetic disorders. With an interest in merging the outer space and medicine, she is also working on engineering gene therapies designed to protect astronauts from ionizing radiation induced DNA damage in collaboration with the Canadian Nuclear Lab.

Beyond her research, Lucy is deeply committed to community building and being a connector in STEM. She founded the first graduate mentorship program within the Faculty of Biomedical Engineering at the University of Toronto, and she serves as the Space Biomedical Sciences Chair at SEDS Canada.

Through leading the Canadian Space Health Research Network and subsequently establishing the Canadian Space Radiation Research Group, she is dedicated to funding trainees, disseminating opportunities, and organizing bi-annual national symposia. Her long-term vision is to leverage business as a vehicle to build a sustainable ecosystem for space health research and innovations worldwide. As a part-time content creator @lucyinthesky.astro, she enjoys capturing moments of her grad life journey, sharing advice, and inspiring others to dream ambitiously.



MENTOR