

MEMBER BIOS

FACULTY OF APPLIED SCIENCE

DEAN'S ADVISORY COUNCIL

NOVEMBER 2022



Mark Adams

BASc (MINE), MBA (UBC)



Mark Adams is currently Vice President of Global Proposals Management at Metso Outotec and has worked in the mining industry for over 15 years in engineering, operations, technology management, and business development roles for Glencore, Teck, BHP, and Freeport-McMoRan.

Mark holds both a BASc in Mining Engineering, a MBA from the University of British Columbia and is a registered Professional Engineer in British Columbia.

In addition to his full-time work, Mark has a passion for giving back and serves on boards and committees for numerous non-profit organizations advocating for youth, veterans, education, healthcare, and STEM. As it relates to engineering, Mark has been a member of council for Engineers and Geoscientists BC since 2019 and a member of the UBC Department of Mining Engineering Industry Advisory Committee since 2016.

Mark also spent 13 years as a reserve officer in the Canadian Armed Forces. For his volunteer service, Mark is a recipient of the Sovereign's Medal for Volunteers, Queen Elizabeth II Diamond Jubilee medal, and the Canadian Mineral Processors Ray MacDonald Volunteer Award.

Larry Beasley

BA, MA, Hon LLD, FCIP, RPP



Professor Larry Beasley is a senior Canadian urbanist – city planner, urban designer, teacher, and author. He is the founding principal of Beasley and Associates and the 'Distinguished Practice' Professor of Planning at the University of British Columbia School of Community and Regional Planning. He is the retired Co-Chief Planner for the City of Vancouver. He sits on the boards of Ottawa's National Capital Commission, Greater-Vancouver's TransLink, Calgary's Green Line Transit, and Rotterdam's International Advisory Board for Economic Development, the Arthur Erickson Foundation, and the Downtown Eastside Building Community Society. He is a Registered Professional

Planner in Canada. He holds degrees in Geography and Political Science (BA) and Planning (MA). He was also awarded two Honorary Doctorate Degrees (Hon LLD), from Simon Fraser University and Dalhousie University.

After more than thirty years of civic service in Vancouver, he became Special Advisor on City Planning to the Government of Abu Dhabi, founding their Planning Agency, and in Dallas, Texas, founding their Urban Design Studio. He has completed comprehensive Visions for growth of Brampton, Ontario, and Prince Rupert, British Columbia. He has been Vice-President of Aquilini Developments. He has made notable contributions in many cities including: Moscow, across Canada and Australia, and throughout Scandinavia for Nordic Innovations.

He has authored two books: *Ecodesign for Cities and Suburbs* (with Professor Jonathan Barnett – Island Press); and *Vancouverism* (UBC Press). His EdX on-line course, *Ecodesign*, has had a world-wide reach.

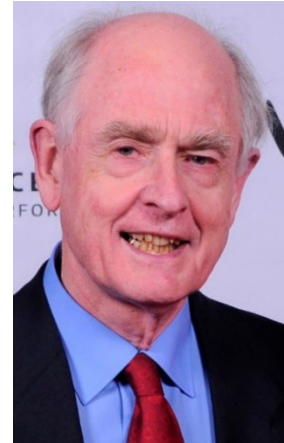
He is a Fellow of the Canadian Institute of Planners, an Honorary Member of the Canadian Society of Landscape Architects and has been recognized as an “Advocate for Architecture” by the Royal Architectural Institute of Canada. He has received the Kevin Lynch Prize from the Massachusetts Institute of Technology. He is a Fellow of the Dallas Institute and has set on the Board of the Canadian Urban Institute.

In 2016, he received the Applied Sciences Dean’s Medal of Distinction at the University of British Columbia.

Larry Beasley is a Member of the Order of Canada and has received the Queen Elizabeth II Diamond Jubilee Medal.

Dr. Stephen Burges

BSc, BE (Hons I), MS, PhD.



Stephen (Steve) Burges spent his academic career as a faculty member of the University of Washington. He joined in 1970 as an Assistant Professor of Civil Engineering, was professor from 1979 to 2010 and is now Professor emeritus of Civil and Environmental Engineering. He is a registered Professional Engineer in the State of Washington and a Professional Hydrologist in the American Institute of Hydrology. He is a Diplomate, Water Resources Engineer, and American Academy of Water Resources Engineers. His principal professional interests are in the practice of civil engineering in an ecosystem context. His main focus is on hydrology, and hydrologic and water resources engineering. Steve was born in Newcastle, Australia, in 1944 and completed his undergraduate degrees at The University of Newcastle, graduating in 1967 with a B.Sc. in Physics & Mathematics, and a B.E. (Hons. I) in Civil Engineering. He earned his MS in 1968 and Ph.D. in 1970, in Civil Engineering, from Stanford University. He is a Fellow of the American Society of Civil Engineers (ASCE, 1988), American Geophysical Union (1990), the American

Association for the Advancement of Science (1996), and The Environmental & Water Resources Institute of ASCE (2013).

Steve's research and professional interests are eclectic. His work has covered the spectrum of surface water hydrology. He has worked on many topics of societal concern in water resources planning and management, particularly concerning uncertainties associated with flood and drought magnitudes, and water supply. His more recent work with colleagues includes: measurement of rainfall - at a point, and spatially with radar; mitigating the hydrologic effects of land-use change, particularly urbanization; determining data needed to support spatial hydrologic models; and exploring alternative reservoir release patterns conditioned on long-term forecasts. For the past several years he has explored education and professional preparedness needed to build infrastructure for societal resilience and to limit damage from natural and other major disasters.

Dr. Amiee Chan

BASc ECE, PhD EE (UBC)



Dr. Chan is President and CEO of Norsat International Inc., which provides communications solutions for remote and challenging applications. Products include satellite systems and components and land mobile radio antennas and RF conditioning products.

Dr. Chan was appointed President in 2006, and under her leadership, Norsat has had consistent growth and won a BC Export Award for Advancing Technology and Innovation.

Dr. Chan holds an Executive MBA from SFU, and has previously lent her expertise to NASA's ACTS Terminal Program.

Maureen Daschuck

MBA



Maureen Daschuck is BC Hydro's Senior Vice-President, Integrated Planning. Maureen joined BC Hydro in 2009, and most recently held the position of Director of Program & Contract Management, responsible for delivering more than \$500M of capital and maintenance program work annually.

Maureen's portfolio includes energy planning, asset management, dam safety and engineering. This team plays an integral role in planning a safe, efficient and reliable system that meets the needs of our customers, today and in the future.

Prior to joining BC Hydro, Maureen worked in senior roles at TELUS, including Director of Corporate Strategy and Director of the Project Management Office. Maureen holds a Masters of Business Administration from the University of Western Ontario. With a passion for employee development and coaching people to be their best selves, Maureen is in the process of becoming an ICF certified coach and has delivered more than 100 hours of coaching to BC Hydro employees.

Jerry W. Dobrovoly

P.Eng., MBA



With more than 33 years of experience in local government, large-scale infrastructure planning and operations management, Jerry Dobrovoly leads Metro Vancouver's 1,800-strong workforce in providing essential utility and other services to the region's 23-member jurisdictions and 2.7 million residents. Previously City Engineer and General Manager of the Engineering Department at the City of Vancouver, and a City of New Westminster councilor, Jerry has the necessary expertise and collaborative executive leadership skills to spearhead Metro Vancouver's ambitious policy and utility capital programs. Priorities include upgrading utility systems, making the region more resilient against climate change, increasing the supply of affordable housing and protecting the environment for generations to come. Jerry has a Bachelor of Applied Science in Civil Engineering from the University of British Columbia, a Professional Engineering designation and a Master of Business Administration from Simon Fraser University. He also played offensive line in the Canadian Football League from 1983 to 1987. Jerry and his family live in New Westminster.

R.A. (Dick) Fletcher

P.Eng. FEC, FCAE, FGC (Hon)



Dick Fletcher earned his BSc in civil engineering from the University of Saskatchewan in 1969 and after working for the City of Whitehorse as its first City Engineer, followed a career as a consulting municipal engineer. He has spent the last 32 years with Urban Systems Ltd where he was president of the employee-owned firm from 1998-2001.

Much of his career was involved with Indigenous Communities where he helped negotiate multi-government agreements related to infrastructure, and was responsible for leading implementation. Dick has further been involved with many community and professional organizations, volunteering with:

- Arctic Winter Games (Vice- President 1972)
- City of Kelowna Advisory Design Panel (1984-86)
- APEGBC (Branch, Committees, Council; President 2003-04; 1998 Recipient of R.A. McLachlan Memorial Award; Chair of three Executive Director Search Committees)

- Engineers Canada (Chair Qualifications Board, Chair International Committee, Initiated the international focused committee, President 2008-09)

Dick led Engineers Canada's NAFTA implementation initiative meeting with the Mexican Government, USA National Engineering Bodies and Texas State Board for Engineers. He also represented Engineers Canada at International boards and negotiated reciprocal agreements with other economies.

In 2004, Dick co-chaired an Okanagan Partnership group of regional engineering and IT industry professionals (ION) who successfully made the case for the establishment of an engineering school at UBCO. He is currently on the UBCO DVC's ECAC and continues as part of industry support for the engineering school.

Dick and his wife Joanie have two grown children: Sharman, certified in Traditional Medicine, and Chad, professional engineer.

Gordon Fowler

BS Engineering



Mr. Fowler is the Founder and CEO of YOUBIQ LLC, a Boston headquartered startup developing virtual reality image capture technologies and services.

Mr. Fowler has over 30 years as CEO of technology start-ups that spans a diverse set of technologies and markets including voice and data communications, SaaS applications and services, nanotech, healthcare IT and consumer goods. In many of these companies he was a founder.

For the past ten years he has been active with MIT's Venture Mentoring Service where he remains involved with their Outreach program supporting 44 sister programs worldwide. In 2105 he was also a founding mentor in the well regarded Canadian Mentoring Service that supports the Boston Consulate's Canadian Technology Accelerator at the Cambridge Innovation Center.

Mr. Fowler holds a BS in Engineering from the University of Saskatchewan and joined Northern Electric after graduating where he was a part of their expansion into the US in the mid 70's. During this time he rose from an engineering position to plant management and VP Operations for the Advance Telephone Products division. He left NorTel to join Bose Corporation in Boston in 1978 where he was VP Operations managing the introduction of products in consumer and automotive electronics and led the expansion of their supply chain internationally. He left Bose to become CEO of TeleLogic, a venture-backed telecommunications start-up in 1984.

Paul Geyer

BASc ECE (UBC)



Mr. Geyer is the CEO of LightIntegra Technologies, a medical device company specializing in technologies to improve the quality of platelets, the clotting factors in blood.

He founded his first company, Mitroflow, in 1991; the company made tissue heart valve products. He sold it eight years later. In 2001, he founded Medical Ventures (now Neovasc), another cardiovascular medical devices company which develops medical devices for the rapidly growing vascular and surgical marketplace, and is currently Chairman of their board.

In 2008, Mr. Geyer began to focus on sharing his expertise with other entrepreneurs, as an active mentor and Angel Investor in the technology space. Paul currently serves on the board of 5 companies, one non-profit and two industry associations and has served on an additional 10 organizations. Mr. Geyer has been personally involved with the establishment of the biomedical engineering program at UBC.

Geordie Henderson



Geordie Henderson is a Vancouver based technology organization leader who has been building software companies, teams, and products for over 20 years.

Most recently, he was a General Manager at Amazon Web Services. Prior to that, his past experience includes roles as SVP, Engineering at Bench Accounting, VP, Software Development at Hootsuite, and co-founder of Metalogix Software.

He is also an active investor, advisor, and board member in the Canadian startup community. Currently, Mr. Henderson is on the board of New Ventures BC, and served on the Board of Directors of Technical Safety BC from 2014 to 2020.

Alan Hutton

BASc MECH (UBC)



Alan Hutton is a corporate director and advisor, with extensive executive and governance experience in the financial and IT sectors. He is currently a Director of Aequitas Innovations and the Neo Exchange, Chair of the Investment Review Committee of NexGen Financial, member of the Investment Review Committee of ROI Capital, a Partner of The Transcend Strategy Group, an Advisor to Sapient Global Markets and the Owner of Virtual Corporation.

Prior to this, he was a Director and CEO of FundSERV, a provider of electronic business services for the Canadian investment fund industry, Star Data Systems, the dominant supplier of stock market quotations and analytics in Canada and other public, private and not-for-profit organizations.

He has worked in the United States and Europe and was licensed in Ontario in 1979 as a Professional Engineer.

Dr. Greg Kovacs

BASc ECE (UBC)



Greg serves as President, Biosciences Division, of SRI International, a large non-profit research organization in Menlo Park, California. He is also an Emeritus Professor of Electrical Engineering at Stanford University (26 years active duty), with a courtesy appointment in the Department of Medicine. He holds a BASc (EE) from the University of British Columbia, an MS (BioE) from U.C. Berkeley, a PhD (EE) and an MD from Stanford. He is a Fellow of the IEEE and AIMBE. Greg has been active in cardiovascular device design, physiology in extreme environments, mixed-signal circuit design, and sensor development, as well as co-founding the Bioengineering Department at Stanford. His government work includes serving as Investigation Scientist for the Columbia space shuttle accident investigation and Director of the Microsystems Technology Office of DARPA for which he received the Secretary of Defense Medal for Exceptional Public Service. He has co-founded several companies, including molecular diagnostics innovator Cepheid. Greg is a pilot, mountaineer and maker, who enjoys fixing things – especially if they are broken.

Patricia M. Mohr

Honours B.A. and an M.A. in Economics



Patricia Mohr is the former Vice-President, Economics & Commodity Market Specialist at Scotiabank's Executive Offices in Toronto. At Scotiabank, Ms. Mohr worked closely with Corporate and Investment Banking, including the Mining and Oil & Gas teams, with Wealth Management and Global Risk Management.

Patricia wrote a widely read commodity report for many years and was a speaker at international mining conferences.

She was honoured to receive the Metal Bulletin Apex Awards in London for the most accurate gold and precious metal price forecasts of 2012.

Prior to joining Scotiabank, Ms. Mohr spent a number of years with Alberta Energy Co. Ltd. (now EnCana Corp.) in Calgary and with CP Ships and Canadian Pacific Bermuda (bulk shipping) in London as Corporate Economist. Patricia began her career as a mineral economist with Natural Resources Canada in Ottawa.

Ms. Mohr holds an Honours B.A. Degree and an M.A. Degree in Economics from UBC's Vancouver School of Economics and is currently a Director of Alumni UBC.

Ms. Mohr is also on the Board of Directors of 'Emissions Reduction Alberta' (ERA) -- an organization channelling public funds into leading-edge R&D for greenhouse gas mitigation; the 'Centre for Research and Innovation in the Bio-Economy' -- established by the Ontario Government to fund and commercialize forest-based biotechnology; and the 'Greater Vancouver Board of Trade', where she has a passionate interest in furthering Canada's international trade and the Pacific Gateway.

Dr. Konrad Sechley

PhD (Carleton)



Dr. Konrad Sechley is Counsel with Gowling WLG in their Vancouver office. He is a leading patent agent in the life sciences sector. His practice focuses on patent protection in the life sciences, biotechnological, pharmaceutical, medical device, chemical, agricultural, cleantech, biofuel and bioenergy sectors in Canada, the U.S. and abroad. He has worked with a full range of clients, including

government, university and hospital research labs, start-up, mid-sized and multinational corporations.

Top-ranked by major legal directories such as *LMG Life Sciences*, *IAM Global Leaders*, *IAM Patent 1000* and *Who's Who Legal Patents*, he speaks and publishes regularly on current patent issues in the life sciences. Konrad was included in the exclusive *Who's Who Legal: Thought Leaders – Global Elite, Patent Attorneys & Agents* chapter in 2020, and *IAM Global Leaders* in 2021.

Prior to joining Gowling WLG, Konrad obtained his PhD in biochemistry from Carleton University (Ottawa), and worked as a post-doctoral research scientist in several university (Simon Fraser University; University of Guelph), government (Agriculture Canada) and industrial research labs in the fields of biochemistry and molecular biology. He also worked in Technology Transfer with the National Research Council.

He is a past member of the Patent Agent Examination Board in Canada, the Canadian Institutes Health Research "Proof of Principle" (PoP) committee, Life Science BC Bioindustrial, and Medtech committees. Konrad is also a former leader of Gowling WLG Life Sciences Group, a former national leader of Gowling WLG Patent Prosecution Group, and he served as a council member of the Intellectual Property Institute of Canada (IPIC). In his spare time, Konrad enjoys biking, hiking and kayaking the coastal regions of Vancouver Island.

Ajai Sehgal



Appointed as the Mayo Clinic's Chief Data & Analytics Officer in December 2020, Ajai brings deep experience in product, technology, data & analytics at global scale.

Ajai spent 16 years with the Canadian Armed Forces before joining Microsoft in 1996 as a Software Engineering Lead. While at Microsoft, he was on the team that founded and scaled Expedia from a small group of 40 people within Microsoft into a new public company that became the world's largest travel agency. From 2012 to 2020, Ajai establish Groupon's travel business as VP of Product & Technology, followed by serving as CTO/CIO for Vancouver start-up Hootsuite, London-based, "The Chemistry Group" and Seattle-based Eagleview Technologies.

With more than 35 years of experience, Ajai specializes in technology scaling, data, analytics & machine learning and volunteers as a firefighter as well as with King County Search & Rescue.

Roz Syendnejad

BASc CIVIL, M.Eng. Structural Eng. (UBC), EMBA



Roz Seyednejad is a double alumna of the University of British Columbia having earned a BASc in Civil Engineering and an M.Eng. in Structural Engineering. She also completed her EMBA from Simon Fraser University. After graduation, Roz worked for over ten years in Business Development and as a Project Manager for a number of large international engineering firms, including SNC Lavalin. Her passion for strategy and innovation led her to launch her own consulting firm, Stratesol Consulting, in 2011. As Founder and Managing Director, Roz and her team of consultants help Canadian companies take advantage of the Canadian SR&ED tax credit program. The company's strategic solutions, have to date, helped clients secure over \$100 million in government grants and funding.

Roz has served on the Board of Directors of the BC Construction Roundtable for the past eight years. She is also active in her community serving on the Advisory Committee at the West Vancouver Arts Facilities, and as a Board Member of the Hollyburn Country Club, acting

as the Chair of the Long Range Planning Committee. Enthusiastic about entrepreneurship, Roz sits on the Advisory Board of Novateur Ventures, a life science company and a technology start-up.

Roz is passionate about her family and spending time with her husband and their two daughters. In her spare time, Roz and her family spend time skiing, hiking, biking and playing golf together.

Jack Van der Star

MASc (UBC)



Jack Van der Star is recognized as a world class telecommunication engineer and is currently providing consultancy services to clients.

In his career, Jack has undertaken the design, deployment and sustainment of integrated communications networks with application to broadband, telephony, mobile, smart meters, transit systems, video on demand (VoD) and petrochemical projects.

Jack is a respected industry advisor, often being asked to speak at conferences and also holds a VoD patent.

Jack was the founder of a radio manufacturing company and CTO for a Silicon Valley based millimeter wave radio start-up.

Jack is Co-Chair of the Innovation Okanagan Network (ION) – a group that successfully made the case to establish the Engineering School at UBCO – and was a founding director of the Okanagan Valley Research and Innovation Centre (ORIC) which has now become Accelerate Okanagan

Jack recently led a design team to establish highly integrated telecommunications systems for a new, Alberta-based refinery. He is currently providing design assistance to a BC-based power utilities company in their smart meter network deployments, and is involved in the Internet of Things (IoT) area.

Jennifer Vancini

MBA (UBC)



Jennifer Vancini is an experienced investor and executive across a broad range of technologies, with significant experience in the mobile and security industries.

In her tenures with start-ups, mid-sized companies and global multi-nationals, she has an extensive track record in business and corporate development.

Jennifer has held management and executive roles in organizations including Price Waterhouse, Certicom (acquired by RIM), Symbian/Nokia, VASCO Data Security and Telefonica.

She is currently an Investment Partner with Mighty Capital in Silicon Valley and is the Managing Partner of Pointgrey Partners, which is a family office for early stage investing.

Jennifer graduated with an MBA from UBC Sauder in 1993.
