

CONTINUING PROFESSIONAL DEVELOPMENT SCHEDULE

TUESDAY FEBRUARY 16		
10 am	Keynote: Hon. Jill Green, P.Eng., Minister of Transportation & Infrastructure	<i>From Engineer to Politician, An Unexpected Career</i>
12 Noon	Guillaume Lavoie (French)	<i>Des chiffres qui parlent... correctement: Éclairer la décision et mieux communiquer par la visualisation de données</i>
3 pm	Brett Plummer, NB Power	<i>Innovation in the nuclear sector: SMRs in New Brunswick</i>
WEDNESDAY FEBRUARY 17		
10 am	Mark Priddle, P.Geo.	<i>Ethical dilemmas in Geoscience (When a client calls you a *****)</i>
12 Noon	Grant Koropatnick, P.Eng.	<i>Professionalism in Engineering</i>
2 pm	Darren Dearing, MBA	<i>How to Build Wealth</i>
THURSDAY FEBRUARY 18		
10 am	Dr. Colleen Mercer-Clarke	<i>Sustaining our Shores: The role of interdisciplinary teams in harnessing innovation and creativity</i>
12 Noon	Corinne McIntosh	<i>Professional Liability Insurance</i>
3 pm	Keynote: Don Mills	<i>The Social and Economic Impacts of the COVID-19 Pandemic in Atlantic Canada</i>

➔ Register now: <https://apegnb2021pdc.eventbrite.ca/>

KEYNOTE: FROM ENGINEER TO POLITICIAN, AN UNEXPECTED CAREER

TUESDAY
FEBRUARY 16
10 AM

Jill Green graduated from the University of New Brunswick with a Bachelor of Science in Civil Engineering in 1995. She has had a wide variety of professional experience over the last couple of decades working in both the public and private sectors.

Through her career, Jill has had many opportunities in different areas including managing a Public Utility responsible for 23 communities; she was a partner in a mid-sized engineering firm; and owned her own consulting business. Jill spent part of her career in the United States, but in 2006 she returned to Atlantic Canada to start Green Imaging Technologies (GIT) and commercialize technologies developed at the UNB MRI Research Centre. GIT provides innovative software solutions to the oil and gas industry. H2 Laboratories was spun out of GIT and their in-house lab provides access to some of the top MRI experts in the oil and gas sector. GIT is an export driven company with clients spanning the globe.

In 2017, 2019 and 2020, Jill was recognized as one of the top 50 CEOs in Atlantic Canada by Atlantic Business Magazine and received the 2017 BMO Innovation and Global Growth Award. Jill was named a Fellow in the prestigious Canadian Academy of Engineers in 2018.

Jill Green has served on the boards for a variety of organizations, including the New Brunswick Innovation Foundation, Fredericton Sports Investment Inc., and several other industry focused boards. She also volunteered her time assisting several youth athletic programs in various capacities including as a director of the Hockey New Brunswick Elite Western Hockey Zone and at the Fredericton Community Kitchen helping to feed those less fortunate in her city.

Elected as a Member of the Legislative Assembly in September 2020, Jill Green is the first engineer to be named New Brunswick's Minister of Transportation and Infrastructure.



The Honourable Jill Green
Minister of Transportation
and Infrastructure

MLA for Fredericton North

DES CHIFFRES QUI PARLENT... CORRECTEMENT

ÉCLAIRER LA DÉCISION ET MIEUX COMMUNIQUER PAR
LA VISUALISATION DE DONNÉES

TUESDAY
FEBRUARY 16
12 PM

Les données sont au coeur de la prise de décision. Elles se multiplient au gré des avancements technologiques et du raffinement de la science de la gestion. La pression sur les décideurs est plus grande que jamais de savoir interpréter et communiquer cette masse de chiffres.

Quels sont les outils à leur disposition?

La visualisation de données en graphiques et tableaux est un des premiers instruments de lecture et d'interprétation des chiffres. L'obligation de les visualiser a ainsi rejoint toutes les sphères de la gestion et tout un chacun a dû s'improviser spécialiste, souvent sans formation autre que technique sur un logiciel en particulier.

La présente formation vient combler cette carence en présentant les bonnes pratiques de la visualisation de données afin de reconnaître et de produire des graphiques honnêtes, clairs, aidants et efficaces. Cette formation est aux graphiques ce qu'un cours de rédaction est à l'écriture, présentant de grands principes applicables à tous les outils de visualisation.

Le matériel se base sur ce que la science nous a appris sur la capacité étonnante de l'oeil et du cerveau humains à identifier des motifs, des variations, des exceptions et des tendances en un coup d'oeil. La formation regorge d'exemples concrets tirés de situation de gestion ou de communications publiques et médiatiques à l'aide de graphiques. Nous y voyons entre autres:

- Pourquoi on évite les pointes de tartes.
- Quel type de graphique peut régler près de la moitié de vos problèmes de visualisation.
- Comment un graphique peut faire une partie de votre travail d'analyse.
- Comment le sujet, le message et le public peuvent influencer le design d'un graphique.

À la fin de la formation, les participants seront en mesure de créer de meilleurs outils d'analyse et de communication.

Entrepreneur en politiques publiques, chargé de cours et conférencier, Guillaume Lavoie s'intéresse aux affaires urbaines, à la véloéconomie, au design analytique, à l'économie collaborative et au rôle de l'art urbain.

L'un des experts les plus en vue sur l'économie collaborative, Guillaume Lavoie a présenté 200+ conférences sur ce thème, au Canada et à l'étranger. Il a également développé le premier cours au Canada sur l'économie collaborative et les politiques publiques, qu'il enseigne à l'École nationale d'administration publique (ÉNAP). Il est l'auteur du premier règlement municipal au Canada sur le partage des espaces privés. En janvier 2018, il a été nommé président du Groupe de travail sur l'économie collaborative du Gouvernement du Québec.

Conseiller sénior chez Voilà Information Design, il est chargé de cours à l'ÉNAP, membre de la Chaire Raoul-Dandurand et observateur électoral international.

Préalablement, Guillaume a fait carrière en diplomatie publique, en relations internationales, et plus récemment, comme conseiller municipal à Montréal, en affaires urbaines. Ayant vécu et travaillé à l'étranger et visité une quarantaine de pays, il a été consultant auprès des secteurs public, privé et associatif, au Canada et à l'international. Vulgarisateur de talent, il compte une vaste expérience comme analyste dans les médias. Entrepreneur social engagé, il est cofondateur du Collège néo-classique.



Guillaume Lavoie

Voilà Information Design

INNOVATION IN THE NUCLEAR SECTOR:

SMRs IN NEW BRUNSWICK

TUESDAY
FEBRUARY 16
3 PM

Innovation in the nuclear sector plays a critical role in reducing greenhouse gas emissions as Canada moves toward a low-carbon future. Small Modular Reactors (SMRs) can be the future of Canada's nuclear industry, with the potential to provide non-emitting energy for a wide range of applications, from grid-scale electricity generation to use in heavy industry and remote communities. The industry making them can:

- Build, fuel and service reactors in more factorylike conditions;
- Achieve economies of scale in design, construction and operation of reactors (more standardized, with a central fleet services concept);
- Simplify designs and add inherent safety characteristics;
- Locate reactors underground, increasing security; and
- Integrate SMRs with other forms of energy, such as hybrid nuclear-renewable energy systems.

This presentation will provide an overview of the activities ongoing in New Brunswick, which will include the role of NB Power in providing technical support to the vendors and performing various pre-project planning activities, the active support for R&D in advanced Generation IV reactors at the University of New Brunswick by both vendors, as well as the curriculum development for capacity building within the province.

Brett Plummer has over 40 years' experience in nuclear power roles in Operations, Senior Leadership and Project Management. Brett leads the strategic direction of the Point Lepreau Nuclear Generating Station. Involved in the pursuit of Small Modular Reactors (SMRs) for New Brunswick, Brett has played an active role in developing the SMR Roadmap for Canada.

Brett is a member of the Institute of Nuclear Power Operations (INPO) Executive Advisory Group as well as the Nuclear Energy Institute's (NEI) New Plant Advisory Committee.



Brett Plummer

Vice-President Nuclear and
Chief Nuclear Officer

NB Power

ETHICAL DILEMMAS IN GEOSCIENCE

(WHEN A CLIENT CALLS YOU A *****)

WEDNESDAY
FEBRUARY 17
10 AM

Geoscientists, like other professionals, deal with clients who may/will attempt to push the boundaries of professional conduct.

This leads to Professional Geoscientists facing ethical dilemmas, especially in consulting. These challenges can relate to finances, approvals, scheduling, reporting and other issues on projects. Since our primary responsibility is to protect the public, we cannot stray from following both the law and ethical practices. We will explore a few examples of real-life ethical dilemmas and how these were, or should have been, handled. The varied outcomes of ethical decisions will also be discussed, as they may potentially include negative impacts to your business.

Mark Priddle, P.Ge., FGC has been practising environmental geoscience for 35 years in Ontario and elsewhere in Canada. His expertise is primarily in hydrogeology and contaminated sites and he has worked for several consulting firms and the federal government. He is presently a Senior Environmental Geoscientist with McIntosh Perry. Aside from his technical work, Mark has been involved in the regulation of geoscience in the province. Since 2008, he has sat on the PGO Council including a term as President (2015-16). More recently he has been on the Board of Geoscientists Canada and was President in 2017-18



Mark Priddle, P.Ge.

Senior Environmental
Geoscientist, McIntosh Perry

PROFESSIONALISM IN ENGINEERING

WEDNESDAY
FEBRUARY 17
12 PM

Professionalism and what it means to be a professional are often misunderstood by the public and practitioners. In this session, Engineers Geoscientists Manitoba's CEO & Registrar will explore the concept of professionalism and the history of the term, before considering the requirements of professional practice in Canada and the USA, as well as the laws governing the fields of engineering and geoscience.

Grant Koropatnick, P.Eng., FEC, has been CEO and Registrar of Engineers Geoscientists Manitoba since 2006. Engineers Geoscientists Manitoba administers The Engineering and Geoscientific Professions Act by licensing professional engineers and geoscientists and setting standards for and regulating these professions in Manitoba so that the public interest is served and protected.

Grant is a graduate Civil Engineer with a certificate in Human Resource Management, both from the University of Manitoba. He has been a member of the Association since 1992. He has held technical and managerial positions in human service environments including the University of Manitoba and latterly with the Pembina Trails School Division as Senior Operations Manager overseeing the operation of 35 school and administration buildings in southwest Winnipeg. Born and raised in Winnipeg, he currently serves on the board of Cancer Care Manitoba Foundation and is a Warden for Iron Ring Camp #8.



**Grant Koropatnick, P.Eng.,
FEC**

Engineers & Geoscientists
Manitoba

HOW TO BUILD WEALTH

WEDNESDAY
FEBRUARY 17
2 PM

We know Canadians need Knowledge, Tools and Advice to make confident financial decisions about their money when planning for their future. During these unprecedented times, financial health is increasingly more important and top of mind for many.

With that in mind, we are extremely delighted to announce that we will be co-hosting a virtual Webchat on the topic of [How to Build Wealth](#) facilitated by [TD Bank](#). This webchat will help provide you with additional insights for your toolbox on building wealth. Topics covered range from How to Save, Vehicles for Savings/Investments, Types of Investments & Asset Classes, and Types of Incomes from Investments.

Darren Dearing, MBA, CFP®, Financial Planner, **TD Wealth Financial Planning** - Darren has been working in the financial services industry since 2014. Prior to taking on the role of Financial Planner, he was a small business consultant throughout New Brunswick. During the last 7 years, he has focused exclusively on financial planning and fostering strong client relationships.

Darren holds a BA, BBA and MBA from the University of New Brunswick and has also completed the requirements for the Certified Financial Planner (CFP) designation conferred by the Financial Planning Standards Council.



Darren Dearing

Financial Planner,
TD Meloche Monnex

SUSTAINING OUR SHORES: THE ROLE OF INTERDISCIPLINARY TEAMS IN HARNESSING INNOVATION AND CREATIVITY

THURSDAY
FEBRUARY 18
10 AM

As environmental conditions change over the next century, the challenges facing planning and design along our shorelines will continue to escalate. Rising seas, storm surges, shore ice and cloudburst rainfall are placing increasing demands on our ability to predict and to regulate flooding. Erosion and bank instability is on the rise in rivers, lakes, and coastlines and in many communities, traditional approaches to stormwater management are proving insufficient to handle intensive rainfall. Interdisciplinary teams of professionals, scientists and decision-makers are tackling innovative approaches to planning and design, many of which are a combination of engineering underpinnings and enhanced natural environments. As we move forward into a future fraught with uncertainty, successful design will be measured not by its effectiveness in the short-term, but also by its contributions to sustainability of communities and ecosystems.

Colleen Mercer Clarke has over 30 years of experience in the private sector of Atlantic Canada working on an array of industrial, commercial and decontamination projects. With graduate degrees in both Marine Ecology and Landscape Architect, Colleen completed a doctorate in interdisciplinary studies from Dalhousie University in 2010 with a focus on the opportunities and constraints in coastal planning and management along Canada's coasts. Since 2009 Colleen has been part of interdisciplinary teams working on adaptation and mitigation to sea level rise and storm surge in coastal environments and communities in Canada, South America and the Caribbean. In 2016 she was one of the primary authors for the NRCAN science-based review of Canada's Marine Coasts in a Changing Environment. Colleen is also co-author of a four-volume set of Primers on Adaptation for Decision-makers. Colleen Chaired the Canadian Society of Landscape Architects National Committee on Climate Adaptation from 2014-2020. Currently she Chairs the Working Group on Climate Change and the Committee on Professional Practice and Policy for the International Federation of Landscape Architects.



Colleen Mercer Clarke

International Federation of
Landscape Architects

PROFESSIONAL LIABILITY INSURANCE SEMINAR

THURSDAY
FEBRUARY 18
12 PM

This 60-minute seminar is intended for consultants, owners and owner organizations with engineers on staff and will examine the purpose and application of professional liability insurance. Topics that will be discussed will include claims trends; factors to be considered when purchasing professional liability limits; risks covered and not covered by professional liability insurance and risk management practices consulting firms can implement to prevent and mitigate claims.

Corinne joined ENCON in 2001 as a student. She obtained her Bachelor of Arts degree from Carleton University in 2003 and worked in the Underwriting Administration department until 2008. During this time, she acted as a Team Leader for the Architects and Engineers and Construction Insurance departments from 2006 to 2008. In 2008, Corinne joined the Architects and Engineers department as an underwriter and then moved to the Alternative Insurance Market department in 2010. In 2012, she was promoted to Senior Underwriter. In 2015 Corinne McIntosh re-joined the Architect & Engineers underwriting division. In 2017 Corinne was promoted to the position of Technical Lead and also accepted a developmental role in the Claims Department as an analyst to deepen her knowledge of A&E claims handling and coverage application.

Corinne received her Chartered Insurance Professional (CIP) designation in 2008, her Canadian Risk Management (CRM) designation in 2009 and is currently working on the Fellow Chartered Insurance Professional (FCIP) designation. In 2009, Corinne joined the Ottawa Chapter of the Insurance Institute of Ontario as a council member, and from 2014 to 2016, she was elected Chair of the Chapter and a member of the Board of Governors of the Insurance Institute of Canada (IIC).



Corinne McIntosh

Underwriting Specialist,
Vice-President,
Architect & Engineers,
Victor Canada

KEYNOTE: THE SOCIAL AND ECONOMIC IMPACTS OF THE COVID PANDEMIC IN ATLANTIC CANADA

THURSDAY
FEBRUARY 18
3 PM

In this presentation, Don will look at how the pandemic has and will continue to change the economy both within New Brunswick and across the rest of Atlantic Canada. He will examine current social behaviour trends in response to Covid, the financial impacts of the pandemic on government debt and the long-term implications of rising public debt both provincially and federally. Don will outline the key challenges facing the province and the region going forward and offer key insights regarding the strategies necessary for success, both from a business perspective and for the economy overall.

Don Mills is currently the President of Crane Cove Holdings Limited, his family investment firm, a partner in Cabco, an IT infrastructure company and Total Marketing & Communications, a Bermuda based company he co-founded. He is the co-founder and former owner and CEO of Corporate Research Associates (now Narrative Research). He continues to be associated with Narrative Research as Chair of the Board and Senior Counsel. He is a regular columnist with both the Saltwire Network and Brunswick News and is published in all daily newspapers and many weeklies across Atlantic Canada, as well as being a frequent media commentator on public affair issues.

Don has been active as a business leader and community activist, serving on more than two dozen boards over his career.

He is recognized as a public opinion expert by various judicial bodies and is a Certified Research Insights Professional. He was recognized as a Fellow in the market research industry in 2008 by the national association, the only Atlantic Canadian to be so recognized. He was chosen as Business Person of the Year in 2001 and as a runner up in 2007 by the Halifax Chamber of Commerce. He was inducted into the Top 100 CEOs Hall of Fame in its inaugural year in 2005 by Atlantic Business Magazine and received a Merit Award from his alma mater, Bishop's University, in 2009 one of only twenty individuals to be recognized at the time of the award. He was also an EY Entrepreneur of the Year finalist in 2017. He continues to be passionate about Atlantic Canada and an advocate for change in the region.



Don Mills

Narrative Research