

# Ingenium

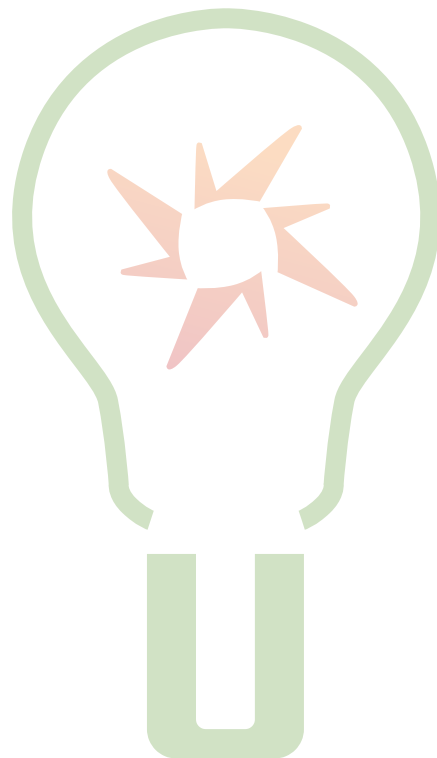
**APEGM** CONFERENCE 2012

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Where Great Minds Meet to Form Great Ideas  
October 23-26, 2012 ~ The Fort Garry Hotel ~ Winnipeg, MB

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Greetings!

As APEGM President, it is my pleasure to welcome you to Ingenium, the Association of Professional Engineers and Geoscientists of Manitoba Conference for 2012!

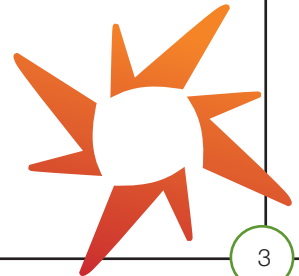
This year marks the 93rd Annual General Meeting for APEGM. The theme for our event is “Moving Forward” looking at topics of interest to engineering and geosciences professionals as a profession, at their workplace, in their province, and in their personal careers!

We hope you enjoy the new format of the conference and the many possible tracks you can attend!

On behalf of all the members of the Association, thank you for joining us at our Annual Conference: Ingenium.

Yours truly,

*Adam Pawlikewich, P.Eng.  
President - APEGM*



## Ingenium Schedule

### **Tuesday, October 23, 2012**

#### **New Members Luncheon and Certificate Presentation**

St. Boniface Golf Club  
11:30 a.m. - 1:30 p.m.

### **Wednesday, October 24**

#### **Recognition Wine & Cheese Reception**

Broadway Room, The Fort Garry Hotel  
7:00 - 9:00 p.m.

### **Thursday, October 25**

#### **Professional Development Seminars**

Crystal Ballroom, The Fort Garry Hotel  
8:30 a.m. - 4:00 p.m.

#### **Partners Program**

Polo Park Shopping Centre  
10:00 a.m. - 2:00 p.m.

### **Friday, October 26**

#### **Annual General Business Meeting**

Crystal Ballroom, The Fort Garry Hotel  
8:30 - 10:30 a.m.

#### **Partners Program**

Winnipeg Trolley Company  
10:30 a.m. - 2:00 p.m.

#### **Awards Gala Dinner and Dance**

Grand Ballroom, Fort Garry Place  
5:30 p.m. - 12:30 a.m.

## Tuesday, October 23, 2012

### New Members Luncheon and Certificate Presentation

St. Boniface Golf Club  
11:30 a.m. - 1:30 p.m.

100 Youville Rd.  
Winnipeg, MB R2H 2S1  
Tel: (204) 233-2497

Business casual dress  
Pre-registration required

This luncheon is held bi-annually to recognize new members and present them with their license certificates. Attendance is by invitation and additional purchased tickets, offering new members and guests the opportunity for more intimate conversation and socializing adding to the appeal of this enjoyable and informal gathering.

## Wednesday, October 24

### Recognition Wine & Cheese Reception

Broadway Room, The Fort Garry Hotel  
7:00 - 9:00 p.m.

222 Broadway  
Winnipeg, MB R3C 0R3  
Tel: (204) 942-8251  
Fax: (204) 956-2351  
Toll-free: 1-800-665-8083

Business casual dress  
Pre-registration required

This reception is to honour APEGM Past Presidents, new APEGM Life Members, and those receiving their new Engineers Canada FEC designation. This is a wonderful opportunity for this intimate group to gather and socialize while receiving their certificates and pins.

# Thursday, October 25

## Professional Development Seminars

Crystal Ballroom, The Fort Garry Hotel

8:30 a.m. - 4:00 p.m.

7:45 - 8:30	Registration & Continental Breakfast - <i>Loggia, 7th Floor</i>			
8:30 - 9:15	Welcome and Keynote - <i>Crystal Ballroom, 7th Floor</i> Keynote Speaker: Minister Steve Ashton			
	<b>... As a Profession</b> <i>Salon A, First Floor</i>	<b>... In your Workplace</b> <i>Gateway Room, Mezz. Level</i>	<b>... In the Province</b> <i>Salon C, First Floor</i>	<b>... In your Personal Career</b> <i>La Verendrye, Mezz. Level</i>
9:20 - 10:20	"ABC's of P.Eng." - Grant Koropatnick, P.Eng.	"Management, Motivation & Psychology in the Workplace" - Chuck Meltzer	"Women in Engineering: Moving Manitoba into the Future" - Lindsay Melvin	"Meeting Skills" - Ann Christoffersen
10:20 - 10:40	Coffee Break & Booths - <i>Mezzanine Level</i>			
10:40 - 11:40	"Supervisor Guide to Registration" - Sharon Sankar, P.Eng.	"Moving Human Rights & Equality Forward in the Workplace" - Carol Thiessen	"Immigration to Manitoba" - Ben Rempel	"Managing Conflict" - Lisa Moretto
12:00 - 1:30	Lunch & Keynote - <i>Crystal Ballroom, 7th Floor</i> Keynote Speaker: Catherine Klepmore, CFO, Winnipeg Airports Authority			
1:40 - 2:40	"Recent Developments in CPD" - Mike Gregoire, P.Eng.	"Do Engineers 'Rule the World'? Should They?" - Arthur Schafer	"GLACIER Aerotest Thompson Facility" - Christopher Horley	"Communication Skills - Part 1" - Lisa Moretto
2:40 - 3:00	Coffee Break & Booths - <i>Mezzanine Level</i>			
3:00 - 4:00	"Advocacy Task Force" - Roger Rempel, P.Eng.	"Meeting Skills" - Ann Christoffersen	"Winnipeg Transportation Master Plan" - Kenn Rosin	"Communication Skills - Part 2" - Lisa Moretto

## Morning Keynote Speaker

### Minister Steve Ashton



Steve Ashton was first elected to the Manitoba Legislature in 1981. He was re-elected in the general elections of 1986, 1988, 1990, 1995, 1999, 2003, 2007 and 2011.

He was appointed Minister of Highways and Government Services in October 1999

(later changed to Transportation and Government Services) and Minister responsible for The Gaming Control Act in July 2000. He was appointed Minister responsible for Emergency Measures in October 2001. In September 2002, Steve was appointed Minister of Conservation and in November 2003, he became the first appointed Minister of Water Stewardship, a department that is solely committed to water issues and is the only department committed to water in Canada. In September 2006, Steve

was appointed Minister of Intergovernmental Affairs and Minister responsible for Emergency Measures. In October 2009, he was appointed as Minister of Infrastructure and Transportation, Minister Responsible for Emergency Measures and Minister Responsible for the Manitoba Lotteries Corporation.

Steve is a graduate of R.D. Parker Collegiate in Thompson. He received a B.A. (Hon.) in Political Studies at the University of Manitoba and a M.A. in Economics from Lakehead University.

Steve has lived in Thompson since 1967. His wife Hari Dimitrakopoulou-Ashton is a college instructor. He has two children, Niki, the Member of Parliament for Churchill, and Alexander, an instructor with the University College of the North in Thompson.

## Lunch Keynote Speaker

Jay Pasemko, Director, Planning & Analysis,  
Winnipeg Airports Authority

Jay Pasemko is Director, Planning & Analysis at Winnipeg Airports Authority. His diverse role includes aspects of strategic and business planning, business development, capital management and land development. He also leads the WAA Engineering group, a team composed of technologists and professional engineers.

Jay holds a Bachelor of Commerce degree from Concordia University, a Masters in Business Administration from the University of Western Ontario, and a Masters Certificate in Project Management from York University. He is also a Chartered Financial Analyst.

Jay is also a member of the Board of Directors of the Assiniboia Chamber of Commerce and in his spare time studies philosophy.

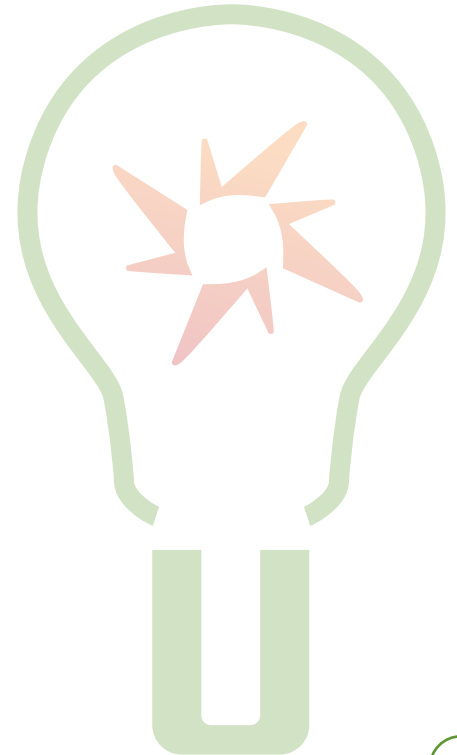
## More than an Airport

As we move forward from the construction and opening of Winnipeg's new airport terminal, we would like to share our ideas on the future and in particular the concepts of Airport City and Aerotropolis. The concept of Aerotropolis, a term coined by Dr. John Kasarda, is described as "a new urban form placing airports in the center with cities growing around them, connecting workers, suppliers, executives, and goods to the global marketplace."

An Aerotropolis is the recognition of a city's airport as not only a gateway to the world but as an influential driver of economic growth to its surrounding areas. Airports are gateways; acting as distribution points for both passengers and cargo. But a city's development around its airport ensures that city's success as a gateway to the world.



This presentation will outline WAA's role as an airport city and its efforts to promote the city of Winnipeg in its continued development as an Aerotropolis. Particular topics will also include WAA's success in the development of its real estate property and the construction of our community's new state of the art passenger terminal.



## ABCs of P-E-N-G

Did you know that every aspect of professional practice as an engineer or geoscientist is covered by the ABCs? The Act, By-laws and Code – the ABCs!!!

Attend this session and here an overview of the 3 governing documents: The Engineering & Geoscientific Professions Act of Manitoba, the APEGM By-Laws and the Code of Ethics for the Practice of Professional Engineering and Professional Geoscience.

The session includes some history, a fun ethics quiz and ample time for questions and answers with the Registrar.



### **Presented By:** **Grant Koropatnick, P.Eng.**

Grant Koropatnick, P.Eng. is the Executive Director & Registrar for the Association of Professional Engineers and Geoscientists of Manitoba (APEGM). He is a graduate Civil Engineer and holds a certificate

in Human Resource Management from the University of Manitoba. With more than 20 years experience, he has held technical and managerial positions in human service environments including the University of Manitoba and the Pembina Trails School Division. Born and raised in Winnipeg, Grant enjoys a variety of interests in his spare time including running for fitness, writing, public speaking and philanthropy.

### Management, Motivation & Psychology in the Workplace

Attracting, retaining and motivating employees are ongoing challenges across most industries and business sectors today. Bonuses, flex benefit packages, flex time and other staff incentives have been employed with varying success as carrots to increase performance. The problem is regardless of the carrot, it's the upfront work done with the employee that will have the most impact on motivation.

This session will focus on the fact that motivation is created through what occurs at the beginning of the managerial/ leadership task cycle not at the end. Carrots are more rewarding if the upfront work has been done. How is this done, what must managers do that creates a desire to learn, excel, take on new responsibilities and contribute to the success of the project, the team and to the organization? This session will

explore best practices employed by managers that translate into employees giving their best. It takes 60% of an employee's effort to get a reasonable performance review. The other 40% is discretionary. Learn how to work with employees in a manner that they are willing to provide you with that discretionary effort.



**Presented By:**  
**Charles J. Meltzer, Ph.D.**

Charles J. Meltzer, Ph.D. is President of the SynTECGroup, an organizational development consulting firm which specializes in assisting organizations and its people

create sustainable change.

Dr. Meltzer is a master trainer for the Clark Wilson 360° instruments and has for over 10

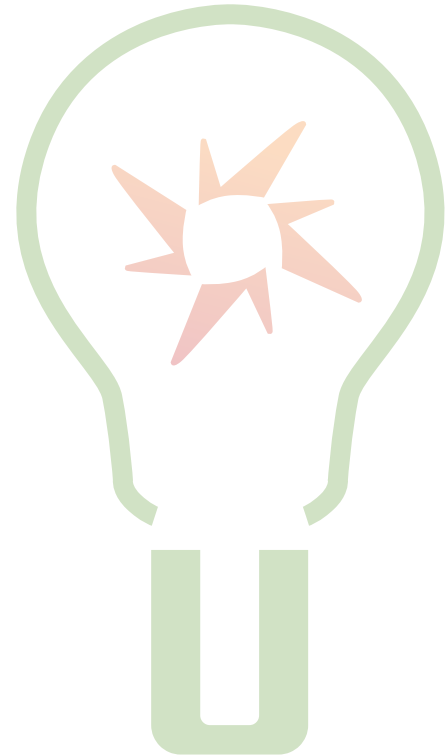
years employed these tools as part of a large executive coaching practice. He also holds the rare distinction of Master Trainer in Relationship Awareness Theory, the study of understanding human motivation and how motivation translated into behaviour.

Dr. Meltzer also is a certified trainer in the area of emotional intelligence (A Different Kind of Smart, Applying EQ at Work).

Dr. Meltzer has developed a distinguished record assisting many leading corporations and companies in the areas of Individual and Team Performance Excellence, Strategic and Succession Planning, Leadership and Management Skill Development inclusive of executive coaching and in the area of Performance Management Systems and approaches.

His process orientation has enabled not for profit organizations, crown corporations, professional service firms and businesses to arrive at realistic and practical solutions to

major industry related problems. He has worked extensively within the consulting engineering community across Canada.



## Women in Engineering: Moving Manitoba into the Future

Have you ever wondered why there aren't more women in engineering or who is working to ensure full participation of women in our profession?

This presentation will provide an overview of the current and potential future of women in engineering in Manitoba. Come and find out why increasing women in engineering is good for business and the profession. Learn about provincial and national initiatives already underway as well as strategies for incorporating diversity, while improving recruitment and retention, in your workplace.



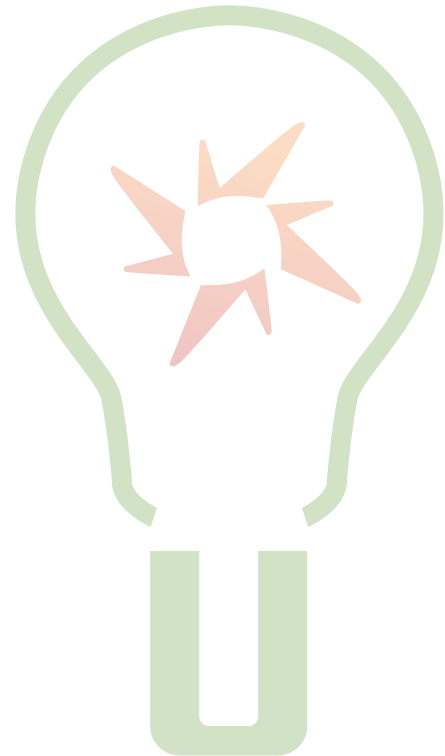
**Presented By:**  
**Lindsay Melvin, M.Sc.,  
P.Eng.**

Lindsay earned a Bachelor of Science in Mechanical Engineering (2002) and a Master of Science in Mechanical and Industrial Engineering (2004), both from the University of Manitoba. Lindsay enjoys her career as a Professional Engineer with Manitoba Hydro as the Senior Market and Risk Studies Engineer in the Export Power Marketing Department. Lindsay is currently completing a Master of Business Administration (MBA) through the I.H. Asper School of Business at the University of Manitoba.

Lindsay has developed an interest in women in engineering since first joining APEGM's Committee for Increasing the Participation of

Women in Engineering, formerly the Women's Action Committee, in 2005 and becoming chair in 2007. Lindsay was Co-Chair of the 13th National Biennial CCWESTT Conference held in Manitoba for the first time in May 2010. Currently, Lindsay chairs the Women in Engineering Advisory Group and is a member of the Women in Engineering Committee, both for Engineers Canada.

In her spare time, Lindsay can be found swing dancing, singing in choirs, or playing Ultimate Frisbee.



## Oh No! Not Another Meeting: Skills for Making Meetings More Productive

Who really enjoys going to meetings these days? Not many do. But why? In today's business settings, our calendars are filled with meetings, but instead of helping us accomplish our work, meetings usually are a waste of time. Instead of placing the responsibility solely on the Chairperson, we propose that some of the issues with ineffective meetings lie with the participants.

This session provides information on how to be a productive meeting participant and how to help keep the meeting on track. It includes techniques on how to present information and how to record and write the minutes with a review of how to facilitate a meeting.



### Presented By: **Ann Christoffersen**

Ann has been an RGI Consultant for 15 years and has been in the technical communication field since 1990. She has developed and delivered written and oral communication skills courses

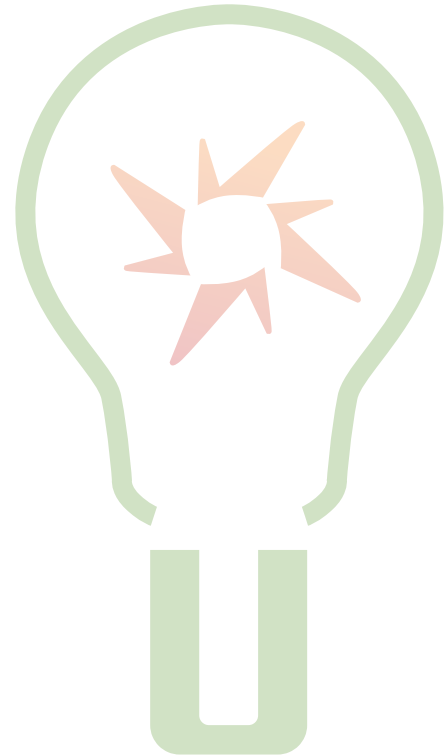
in both the United States and Canada.

She holds a BS in Computer Science and Mathematics from Clarkson University and has a Masters of Science degree in Instructional and Performance Technology from Boise State University. She is a Certified Human Performance Analyst specializing in Front End Analysis, developing training programs

to support major systems acquisitions. Ann is retired from the US Army Reserve, with over 20 years combined service from Active Duty, National Guard, and Reserve components.

Ann has been a technical writer for Accelerated Technology, Inc. working with programmers and customer support to develop effective user guides. As a consultant, she has worked with companies to comply with various portions of the Americans With Disabilities Act. She was also an outreach instructor for South Western Oregon Community College and the University of Southern Alabama teaching business writing skills and editing skills. Ann has also worked with the IEEE press reviewing and editing several books prior to publication.

Ann teaches regularly to the General Electric, APEGM, Manitoba Hydro, SaskTel, and TetraTech, an engineering consulting firm. Her teaching experience is extensive, across varied audiences, and she has mentored many other presenters.





## A Supervisor's Guide to Registration

You've seen your junior employees grumble over progress reports and studying for the National Professional Practice Examination and perhaps wondered what all the fuss was about.

As a supervisor, it's really important to do your part to assist your employees in achieving registration. Over the years, we've noticed that more and more supervisors are on board - something that both APEGM and the members-in-training appreciate. However, up to now, there has never been a formal presentation directed just at supervisors.

This presentation aims to unlock some of the mysteries surrounding the pre-registration process. We will look at some of the most commonly asked questions which come from both members-in-training and supervisors but will try to focus more on the role that the supervisor

needs to play.

Come with your questions, concerns and suggestions. There will be a short formal presentation, but we will allow plenty of time to hear what you have to say.

Even though this is called A Supervisor's Guide to Registration - please feel free to sign up if you are a member-in-training or academic assessment applicant or even a potential member-in-training/ academic assessment applicant. If you can bring your supervisor, all the better.



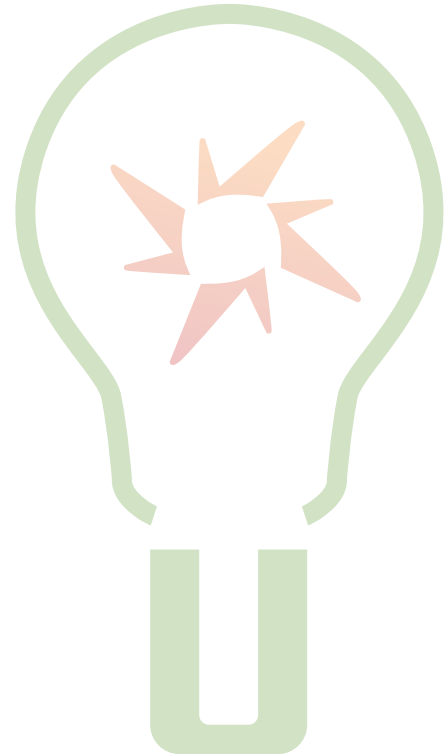
**Presented By:**  
**Sharon Sankar, P.Eng., P.E.**

Sharon has worked as the Director of Admissions for APEGM since January 2003. She, along with the rest of the Admissions staff has been responsible for running the pre-registration program

for MITs. Over the years, she has seen many interesting situations and has done her best to help bring them to a resolution.

Sharon has two children – Diana (17) and Evelyn (11) and a husband, Vijay who is both a P.Eng. and M.Eng. and runs an IT company – Foretell Technologies Limited.

Sharon's hobbies are running, swim training, weight-training and hot (Hatha) yoga, all of which she does regularly though not always competently.



## **Moving Human Rights & Equality Forward in the Workplace: You be the Judge!**

Do you know what reasonable accommodation is? Do you know what constitutes discrimination or harassment? This interactive seminar will outline numerous situations dealing with equality and human rights law, and then provide you with the opportunity to act as the judge and render a decision. We will then compare your decision to the actual decisions rendered by the courts and tribunals.



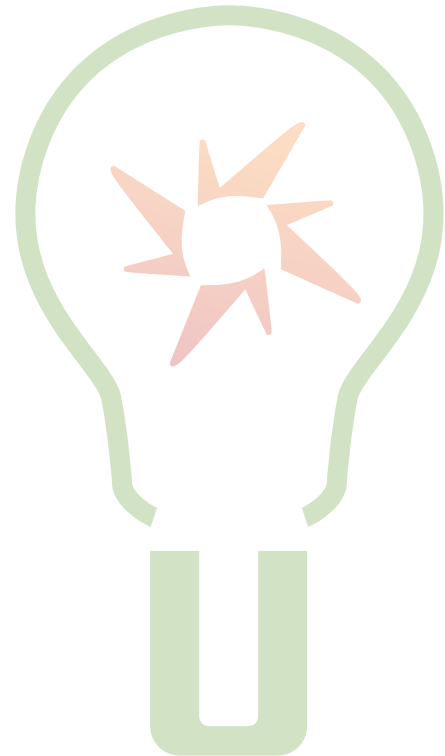
**Presented By:**  
**Carol Thiessen,**  
**Employment Equity**  
**Specialist, Manitoba Hydro**

Carol Thiessen is the Employment Equity Specialist at Manitoba Hydro and is primarily responsible for coordinating, reviewing and enhancing employment systems that support the education, recruitment, development and retention of employment equity designated group members.

She is also responsible for building and strengthening strategic relationships that directly support Manitoba Hydro's goals and employment equity initiatives, and has conducted numerous presentations and workshops on diversity.

Carol has a Bachelor of Commerce (Honours) Degree, a Master of Public Administration, a Master of Business Administration and is a Certified Human Resources Professional. She has maintained memberships in professional associations such as the Human Resource Management Association of Manitoba (HRMAM) and Manitoba Employment Equity Practitioners Association (currently serves as Co-Chair).

Prior to joining Manitoba Hydro, Carol had the opportunity to work in management positions within the tourism sector, manage her own businesses and work in senior management positions within non-profit organizations.



## **Immigration to Manitoba**

Manitoba is making tremendous strides in increasing our population through immigration. Accounting for 77 per cent of all our newcomers in 2011, the Manitoba Provincial Nominee Program (MPNP) continued to be our largest source of labour market-destined immigrants. The MPNP helped immigration grow to 15,962 arrivals in 2011 from 3,725 in 1999. This represented the most immigrants received in a single year since the start of modern record keeping in 1946.

With our partners, Manitoba continues to provide high-quality immigration services from selection to settlement. It includes resources and supports to help Manitoba-destined immigrants with pre-arrival settlement and career planning. After arrival, it includes orientation, referral services, English as an additional language services, and support with employment and social integration.

One of our program goals is to increase labour market success for our internationally educated immigrants by helping them get their qualifications recognized so they can work in their fields sooner. To this end, Manitoba has implemented new tools to assist immigrants begin their settlement planning prior to arriving, enacted The Fair Registration Practices in Regulated Professions Act and funded bridging programs such as the successful IEEQ Program for internationally educated engineers.

Manitoba recognizes that immigration is critical to building a strong and vibrant economy and helps our communities grow and prosper. Our overall goal is to advance our economy and our multicultural society by promoting our province as an immigration destination for skilled workers who meet local labour market needs, and by helping immigrants settle successfully in our province.



**Presented By:**  
**Ben Rempel**

Ben Rempel is the Assistant Deputy Minister of Manitoba Immigration and Multiculturalism with lead responsibility for Manitoba's "Growing Through Immigration Strategy". He has

held the position since 2007.

The Department manages an integrated continuum of program and service delivery from the promotion & recruitment of skilled workers & entrepreneurs, immigrant selection through the Manitoba Provincial Nominee Program, pre- and post-arrival economic integration supports through Manitoba START, coordination and support for a broad range of adult language training and integration services, and supports for the improved recognition of international qualifications through legislation and client navigation supports. The "Growing Through

Immigration Strategy" has achieved record labour market growth in Manitoba, attracted investment in diverse new business ventures, and supported the successful integration of immigrant newcomers from all categories.

Mr. Rempel has an Interdisciplinary Masters Degree from the University of Manitoba with a specialization in international migration issues.



### Conflict Management: How to Prevent, Contain, and Resolve

Conflict doesn't have to be a bad thing. Many creative solutions have been a result of differing opinions. If a team agrees 100% of the time, then someone is hiding something.

This session introduces the signs and effects of conflict and presents strategies on how to turn what may feel like a negative situation, into a neutral (or possibly a positive) situation. Participants will be exposed to the Third Side concept of conflict resolution and the different roles and contributions parties bring to the situation. The Third Side is an outcome of the Global Negotiation Project at Harvard University.



#### Presented By: **Lisa Moretto**

Lisa is the President of RGI International, Inc. with offices in Winnipeg, MB and Rochester, NY. She has 19 years experience teaching business and technical communication courses for

government agencies, private corporations, consulting firms and professional societies. Her courses consistently receive positive reviews. She is an engaging and interactive presenter and a frequent invited speaker at international conferences.

She has experience as an Information Developer for IBM in the US and as a Learning Products Engineer for Hewlett-Packard in the UK. Lisa holds a BS in Technical Communication from Clarkson University,

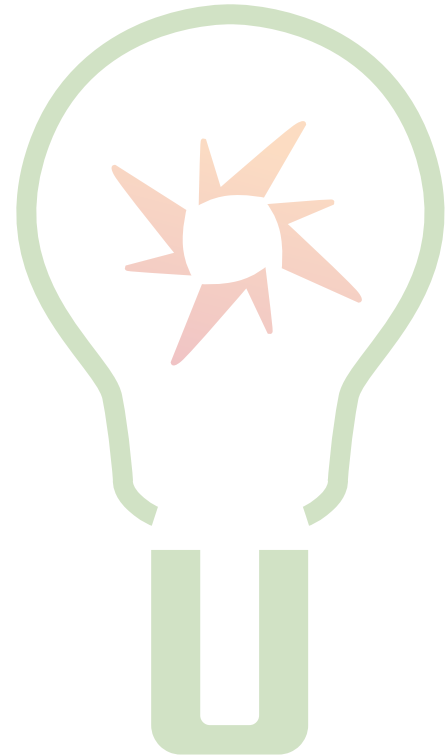
Potsdam, New York, and an MS in User Interface Design from the London (England) Guildhall University.

She has co-authored four books with Ron Blicq: *Get to the Point!*, *Guidelines for Report Writing*, and *Technically Write!* with Prentice Hall, and *Writing Reports to Get Results* with the IEEE Press.

Lisa is an adjunct professor at the Rochester Institute for Technology, where she teaches Technical Writing, Business Communication, and Effective Technical Communication. She is the Immediate Past President of the Rochester Engineering Society and contributes a monthly article to the RES Magazine. She is an active member of the Society for Technical Communication and the IEEE Professional Communication Society.

She has presented to various industries and organizations throughout Manitoba including Manitoba Hydro, Cangene, Richardson International, Health Canada, Cargill, APEGM,

MTS/Allstream, and several engineering firms including Genivar, KGS Acres, and Tetra Tech/Wardrop.





## CPD Reporting - Recent Developments

With the initiation of APEGM's Continuing Professional Development (CPD) Program this year, members are now actively reporting their CPD using our new online system. The Continuing Competency Committee has met several times this year to fulfill their role in overseeing the new CPD Program. Come and find out about the basics and recent developments of our new CPD Program.



**Presented By:**  
**Michael Gregoire, P.Eng.,  
B.Env.D.**

As the Professional Standards Officer at APEGM, Michael provides assistance to Investigations, Discipline, Enforcement, Legislation, Standards, and the new CPD Program. Prior to taking on this role in 2008, Michael worked in the world of consulting engineering, where he provided solutions to problem buildings.

## Do Engineers 'Rule the World'? Should They?

Every professional has an obligation to practice his or her profession competently, with due care, and in the public interest. What's special about "Engineering ethics"? Engineers exercise a high degree of control over the technologies on which modern society depends. Does this special power carry with it special moral responsibilities?



### **Presented By:** **Arthur Schafer**

Professor Schafer is Director of the Centre for Professional and Applied Ethics, at the University of Manitoba. He is also a Full Professor in the Department of Philosophy and an Ethics Consultant for the Winnipeg

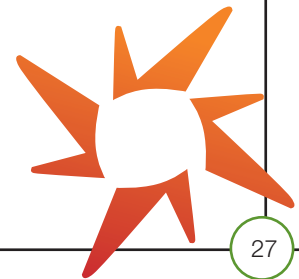
Regional Health Authority, Department of Child Health. For ten years he was Head of the Section of Bio-Medical Ethics in the Faculty of Medicine of the University of Manitoba. He has also served as Visiting Scholar Green College, Oxford.

Professor Schafer has received a number of awards and honours. He is a Canadian Commonwealth Scholar, Honorary Woodrow Wilson Scholar, a Canada Council Fellow. At the University of Manitoba he has received the Stanton Teaching Excellence Award, the

Campbell Award for University Outreach, and the University Teaching Service Award for Teaching Excellence.

Arthur Schafer has published widely in the fields of moral, social, and political philosophy. He is author of *The Buck Stops Here: Reflections on moral responsibility, democratic accountability and military values*, and co-editor of *Ethics and Animal Experimentation*. His curriculum vitae lists more than 90 scholarly articles and book chapters, covering a wide range of topics, with a special focus on issues in professional and bio-medical ethics, business and environmental ethics. Professor Schafer is National Research Associate of the Canadian Centre for Policy Alternatives, which has published two of his Reports. He has made several hundred conference presentations in Canada and abroad, and has written dozens of newspaper articles for *The Globe and Mail*, *The Toronto Star*, *The Winnipeg Free Press*, *The Medical Post*, and *The Sunday Times (London)*.

Arthur Schafer has been a frequent guest on CBC radio and television, including many appearances on CBC radio's *Morningside*, *This Morning* and *The Current*, *As It Happens*, *Sunday Morning*, and *Cross Country Check Up*; and CBC television's *The National*, *The Journal*, *The National Magazine*, and *Newsworld*. He has also appeared frequently on The Discovery Network's "@Discovery.ca", discussing ethical and value aspects of medicine, science and technology; and on the CTV, WTN, Global and Baton television networks.



## GLACIER Aerotest Thompson Facility from steady state to dynamic characteristics.

The Global Aerospace Centre for Icing and Environmental Research (GLACIER) in Thompson, Manitoba was designed and built by MDS. It is a joint venture between Rolls-Royce and Pratt & Whitney, two of the world's largest aerospace engine manufacturers. GLACIER provides the world's aerospace industry with rugged, true-to-life and rigorous testing in adverse environmental conditions, with measurement and capacity for today's gas turbine engines and those of the future.

The newly opened state-of-the-art GLACIER facility is designed to test the complete range of existing and future aircraft gas turbines. The centre also houses facilities for indoor preparation of engine packages, full engine measurement and control. GLACIER's data acquisition system can measure over 2,000 separate parameters at varying frequencies



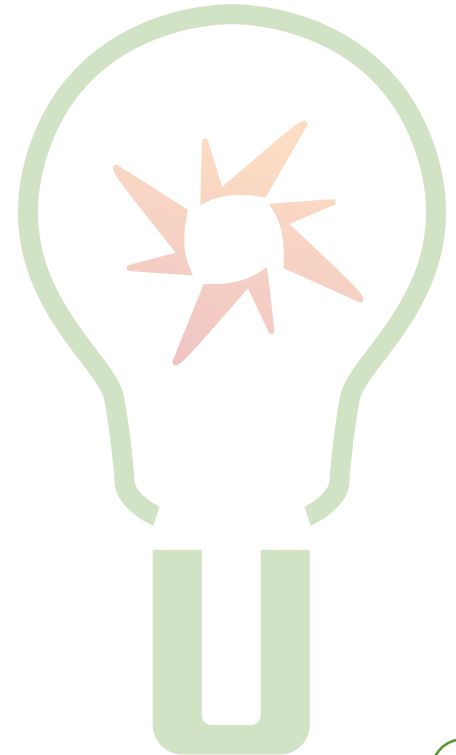
### **Presented By:** **Christopher Horley**

Chris has over twenty years of experience in the aerospace and gas turbine engine testing environment.

He graduated from Queen's University as a Mechanical Engineer and earned subsequent qualification as an Aerospace Engineer with the Canadian military.

His work in flight test instrumentation and as an airworthiness engineer led to the private sector with MDS Aero Support, a gas turbine engine test facility supplier, where he worked in data acquisition, instrumentation, and controls engineering.

After taking on engineering management and project management roles at MDS, Chris now holds the position of Director of Sales and Technical Marketing. Chris has also enjoyed delivering numerous training seminars and guest lectures on gas turbine engine testing technologies.



### Communication Skills - Part 1

Too much time and money is wasted today because information is not effectively communicated. We spend our resources crafting the message or trying to decipher it. In this practical, interactive session, you will learn techniques on how to write more effective and focused communications. Specifically, Lisa will address:

- organizing the writing task,
- identifying primary information and directing readers' attention to it,
- arranging facts for maximum impact,
- writing action-getting letters and emails,
- writing direct and concise messages, and
- sharpening personal writing style to create a strong, effective presence.

In today's business environment, we cannot afford to underestimate the power of the written word.



#### Presented By: **Lisa Moretto**

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agencies, private corporations, consulting firms and professional societies.

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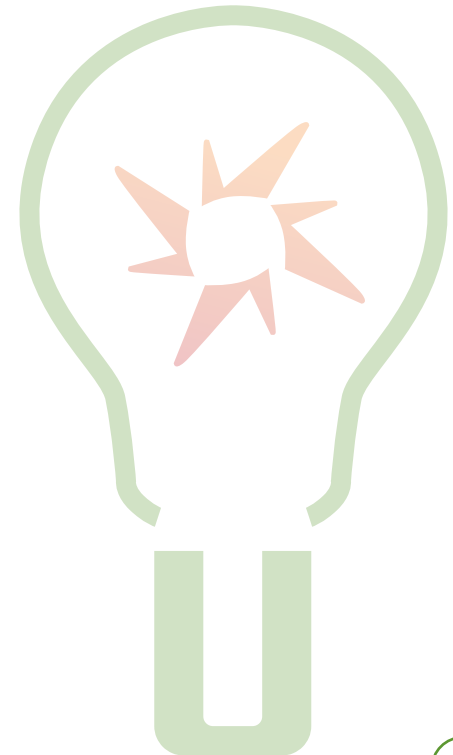
Clarkson University, Potsdam, New York, and an MS in User Interface Design from the London (England) Guildhall University.

She has co-authored four books with Ron Blicq: Get to the Point!, Guidelines for Report Writing, and Technically Write! with Prentice Hall, and Writing Reports to Get Results with the IEEE Press.

Lisa is an adjunct professor at the Rochester Institute for Technology, where she teaches Technical Writing, Business Communication, and Effective Technical Communication. She is the Immediate Past President of the Rochester Engineering Society and contributes a monthly article to the RES Magazine. She is an active member of the Society for Technical Communication and the IEEE Professional Communication Society.

She has presented to various industries and organizations throughout Manitoba including Manitoba Hydro, Cangene, Richardson International, Health Canada, Cargill, APEGM,

MTS/Allstream, and several engineering firms including Genivar, KGS Acres, and Tetra Tech/Wardrop.



## Advocating in the Public Interest

A big part of being a professional engineer and geoscientist is protecting the public. What do we do when an issue comes along that has a big impact on the public of Manitoba, but we're not involved? Do we get involved? What do we do? Councillor Roger Rempel, P.Eng., will present the topic of advocacy and describe the work of the APEGM Advocacy Task Force (ATF).



**Presented By:**  
**Roger Rempel, P.Eng.,**  
**FEC Senior Environmental**  
**Engineer, Associate -**  
**Stantec**

Roger Rempel has over 20 years of experience in environmental assessment, quantitative risk assessment,

criticality assessment, environmental systems modeling in air and water quality, and public communications.

Roger was a Principal at TetrES Consultants Inc., an environmental consultancy that joined the Stantec organization in June of 2010.

He has contributed to and managed multi-disciplinary study teams applied to a range of operations including municipal water and sewer infrastructure, hydroelectric power generation developments, chemical plants, manufacturing facilities and agricultural/food processing plants throughout Western Canada. Roger is an elected Councillor on the APEGM Council and chair of the ATF - Advocacy Task Force.



## City of Winnipeg Transportation Master Plan

Winnipeg and the Manitoba Capital Region are growing at a pace we have not seen in several decades. By 2031, it is projected that Winnipeg and the surrounding areas will be approaching one million people.

With this growth, come the opportunity for more compact and vibrant communities and increased justification of infrastructure renewal and expansion. However this growth also presents a challenge and requires innovative and proactive transportation solutions to support Winnipeg's current and future prosperity in an economically, socially and environmentally sustainable manner.

The Winnipeg Transportation Master Plan is intended to set out a strategic vision for Winnipeg over the next 20 years which is compatible with OurWinnipeg and the six strategic

goals established under the Sustainable Transportation Direction Strategy.



**Presented By:**  
**Kenn Rosin, P.Eng., FITE**

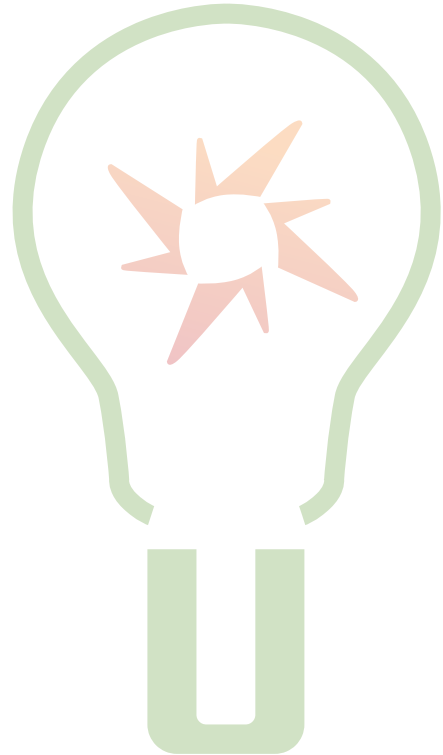
Kenn Rosin is a Special Projects Consultant, Transportation with the City of Winnipeg. Major projects he has been involved with include overseeing the development of the

Transportation Master plan for Winnipeg; developing Transportation Impact Assessment guidelines; and developing terms of reference for a Pedestrian Strategy.

Kenn previously spent five years as Manager of Transportation with Stantec Consulting in Winnipeg, and 30 years with the City of Winnipeg as Manager of Transportation,

Transportation Planning Engineer, and Streets Planning Engineer.

He has a M.Sc. (Transportation Planning) and a B.Sc. (Civil Engineering) from the University of Manitoba.



### Communication Skills - Part 2

Often a firm's leaders are promoted from within and although they have the technical knowledge to excel, they lack an understanding of the importance of interacting with clients and team members. This session provides an overview of successful interpersonal communication skills including oral, written, and non-verbal communication skills and the impact they have on our interactions. Lisa will also address active listening and questioning skills.



**Presented By:**  
**Lisa Moretto**

Lisa is the President of RGI International, Inc. with offices in Winnipeg, MB and Rochester, NY. She has 19 years experience teaching business and technical communication

courses for government agencies, private corporations, consulting firms and professional societies. Her courses consistently receive positive reviews. She is an engaging and interactive presenter and a frequent invited speaker at international conferences.

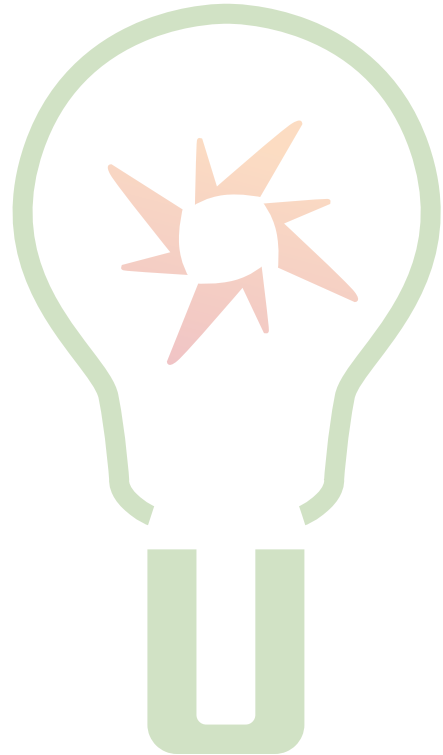
She has experience as an Information Developer for IBM in the US and as a Learning Products Engineer for Hewlett-Packard in the UK. Lisa holds a BS in Technical Communication from Clarkson University, Potsdam, New York, and an MS in User Interface Design from the London (England) Guildhall University.

She has co-authored four books with Ron Blicq: Get to the Point!, Guidelines for Report Writing, and Technically Write! with Prentice Hall, and Writing Reports to Get Results with the IEEE Press.

Lisa is an adjunct professor at the Rochester Institute for Technology, where she teaches

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She has presented to various industries and organizations throughout Manitoba including Manitoba Hydro, Cangene, Richardson International, Health Canada, Cargill, APEGM, MTS/Allstream, and several engineering firms including Genivar, KGS Acres, and Tetra Tech/Wardrop.



## Thursday, October 25

### Partners Program

Polo Park Shopping Centre

10:00 a.m. - 2:00 p.m.

Casual Dress

Pre-Registration Required

The Partners Program runs during the same time as the professional development conference and the annual general business meeting, to provide activities and networking opportunities for the companions of Ingenium attendees.

10:00 a.m. Transportation from Fort Garry Hotel  
to Polo Park Shopping Centre

11:30 p.m. Lunch at Moxie's Bar & Grill

2:00 p.m. Return to Fort Garry Hotel

### Polo Park Shopping Centre

The province's largest shopping centre, Polo Park boasts 200 of the finest shops and services including several which are not available anywhere else in the city. Flooded with natural sunlight, the expansive walkways are

complemented by comfortable seating areas and a spacious 14-outlet Food Gallery with two adjoining restaurants. The centre offers two additional restaurants, two home fashion stores and a SilverCity Cinema on the perimeter of the 5,600 vehicle parking lot.

## Friday, October 26

### Annual General Business Meeting

Crystal Ballroom, The Fort Garry Hotel

8:30 - 10:30 a.m.

222 Broadway

Winnipeg, MB R3C 0R3

Business casual dress

Complementary, Pre-Registration Required

The Business Meeting will break for lunch and re-convene at 2:00 p.m. if needed.

The Annual General Meeting of the professional members of the association shall be held in the Province of Manitoba on any date after September 10th, but prior to October 31st, in each year as council may decide. Temporary licensees, specified scope of practice licensees, members-in-training and students are entitled to attend and participate subject to restrictions in the association by-laws. Members of the public, subject to application to the registrar and the availability of space, are entitled to observe.

### Partners Program

Winnipeg Trolley Company

10:30 a.m. - 2:00 p.m.

The Partners Program runs during the same time as the professional development conference and the annual general business meeting, to provide activities and networking opportunities for the companions of Ingenium attendees.

Casual Dress

Pre-Registration Required

10:30 a.m. Winnipeg Trolley Company Group  
Heritage Tour

12:30 p.m. Lunch at Peasant Cookery

2:00 p.m. Return to Fort Garry Hotel

### Winnipeg Trolley Company

Inspired by the Winnipeg Electric Company streetcars that were once a prominent feature on the city's streets, the orange and cream trolley blends in among the abundance of beautiful early-1900s architecture found in the provincial

capital, yet includes all the features of any contemporary transit vehicle including heating and air-conditioning. One of the guides will share the tumultuous and comical stories of Winnipeg's development during the group tour through St. Boniface, the Forks, and the Exchange District in downtown Winnipeg.

### Awards Gala Dinner and Dance

Grand Ballroom, Fort Garry Place

5:30 p.m. - 12:30 a.m.

Entrance through the 1st floor of The Fort Garry Hotel

222 Broadway

Winnipeg, MB R3C 0R3

Tel: (204) 942-8251

Fax: (204) 956-2351

Toll-free: 1-800-665-8083

Tickets Required

Masquerade Ball, Black Tie and Mask

Recommended

### Awards Being Presented

Queen Elizabeth II Diamond Jubilee Medal

Certificate of Achievement Award

Member-In-Training Award

Early Achievement Award

Champion of Engineering Education Award

Honourary Life Membership Award

Leadership Award

## Entertainment

### Ca Claque!

A showcase of Franco-Manitoban artists who share their love of French Canadian folklore, traditional as well as contemporary, through their music and dance. Ca Claque! features exciting and diverse entertainment that will stir your senses from the first note of the fiddle to the last step of the gigue.



### Jenifer Scott & Groovesound

Jenifer Scott is a Winnipeg-based musician who's been performing since age nine, and today owns and operates her own company, Jenifer Scott Productions. A lead vocalist who can rock the mic with everything from Jazz and R&B to Country and Pop Rock. Jenifer has shared the stage with several of Manitoba's top musicians including Dave Lawton, Walle Larsson, Danny Kramer, and Ron Paley.





## Sponsors

### Platinum Sponsors

#### Awards Dinner and Entertainment

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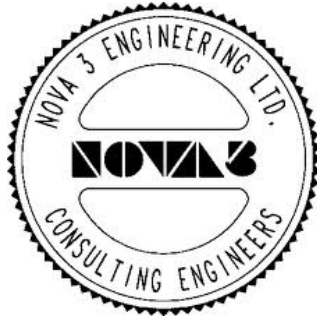
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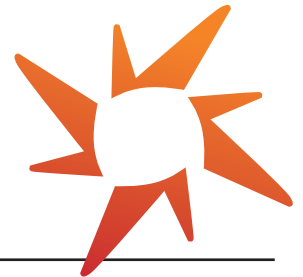


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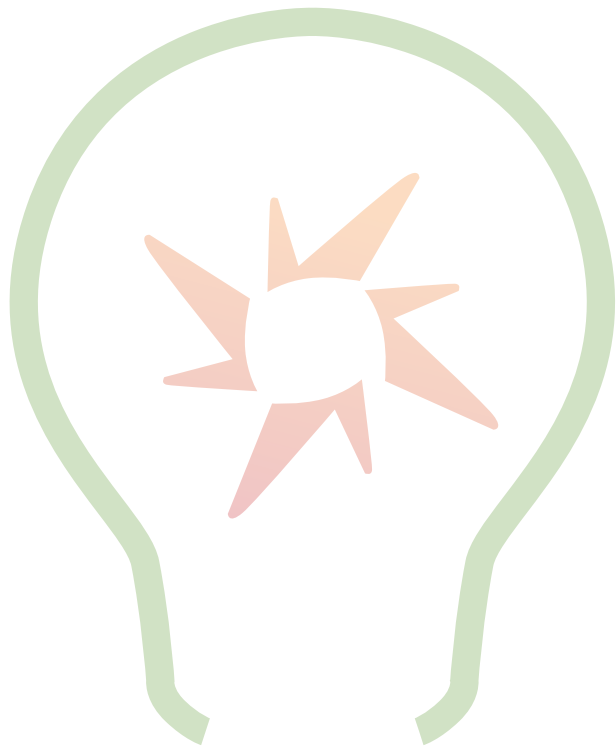
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**My life's work  
makes life work better.**

[www.apegm.mb.ca](http://www.apegm.mb.ca)

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