

THE MANITOBA TECHNOLOGIST

A CTTAM PUBLICATION

JULY/AUGUST 2022

Sign up today!

New RRC Polytech fall courses!

SEE PAGE 16

ROYAL AVIATION MUSEUM OF WESTERN CANADA

Attend our October 6
Annual General Meeting

Why your donation makes
a difference

Scholarship opportunity

20
new
members

Meet

Eaton's Senior Field Service Representative, Robert Burke, C.E.T.



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Cover photo: The Royal Aviation Museum of Western Canada, site of our October 6 AGM. Photo courtesy of RAMWC. Photo credit, photographer, David Lipnowski. Page 15

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CTTAM Member Robert Burke.



CTTAM Member Oscar McDougall.



Record and review your CPD online
It's easy to track your CPD progress

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Become more *Ready and Resilient*



The new Royal Aviation Museum of Western Canada located on Wellington Avenue close to the Winnipeg Airport. Photo courtesy of RAMWC. Photo credit, David Lipnowski.

President's message

What is professionalism?



Ted is a certified Civil Engineering Technologist and a registered Professional Engineer in Manitoba.

“Professionalism: It’s not the job you do, it’s how you do the job” — Anonymous

Professionalism can mean different things to different people such as the way you do your work, your outward appearance or your behaviour among coworkers and clients.

It is the way a person conducts themselves at work to represent both themselves, their organization, and their profession in a positive way.

Professionalism is not dependant on the position you hold or the level of education you have completed. The value of professionalism is similar whether you work in the service industry, an office setting, in the science and technology fields or practice in a professional environment.

It is our qualities and behaviours. Honesty, integrity, trustworthiness, politeness and respect in the workplace, responsibility and accepting ownership and consequences if things do not work out, competence and confidence in our knowledge and skills, abiding by regulations of a governing body, and always doing the right thing. All of these aspects are important to know and understand.

There are many traits that support professionalism. However, there are three notable key attributes that identify and define true professionalism in any type of work you do.

1. Accountability — Honour your commitments, do what you say you are going to do. Hold yourself accountable for your thoughts, actions and words. Always take full responsibility for what you say or do, especially when you make a mistake.

2. Self-regulation — Stay calm and business-like under stress or pressure. Control your emotions and reactions in difficult situations. Show a high degree of emotional intelligence and consider the emotions and needs of others. Do not let a bad day impact the way you behave with your coworkers, colleagues or clients.

3. Honesty and integrity — It is vital to be honest and demonstrate integrity by keeping your word and not compromising your values. Always do the right thing even if it is difficult for you to do. If a project or job is beyond your scope of expertise, do not be afraid to admit it. Manage expectations upfront and do what you can to make a situation right. Don't make excuses but focus on finding solutions.

Professionalism affects every way of how you do your job, from building trustworthy relationships to advancing your career. By exhibiting professional traits, it earns you people's respect and trust. They know you are accountable and reliable. By demonstrating professionalism, it will set you apart from others.

Questions? Comments?
Email me at president@cttam.com

Ted

TED PROTOSAVAGE
C.E.T., MiM, P.Eng.
CTTAM President



Ted Protosavage has diplomas in Business Administration and Municipal Engineering Technology from Red River College Polytech.

He also holds a Bachelor of Science in Civil Engineering from the University of Manitoba and a Masters in Management with a specialization in Technology, Innovation and Operations Management from the University of Winnipeg.

Ted's experience evolves from a variety of construction and engineering work.

Throughout his career he has held positions in both the public and private sectors in various disciplines of engineering that include infrastructure, transportation, structural and environmental.





CEO and Registrar's message

How is our economy doing?

Employers are struggling to fill vacancies and college enrollment is down

Facing possible recession

With hope that pandemic waves settle along with the hope that the war in Ukraine eases, there are several different risks facing Canada and the global economy.

The Conference Board of Canada modelling shows that the probability of Canada entering a recession in the coming year is 50 percent.

Minimum wage increase

Inflation has resulted in higher costs and has significantly impacted the price we pay for goods and services.



The Manitoba minimum wage will increase to \$13.50, up from the current \$11.95, on October 1. Several union officials are calling for a \$16 per hour "living wage" by the end of 2022.

Employers still struggle to fill vacancies, and statistics show a 3.5 percent unemployment rate on record.

Shortage of co-op students

Red River College Polytechnic Job Central career services reported that the number of co-op placements for

engineering technology students exceeded the number of students available.

Despite the fact that the average co-op wage \$20.35 per hour which is well above the Manitoba minimum, industry could not fill all of the co-op placements that were available.

Even with the demand for technology graduates, Red River College Polytechnic Engineering Technology programs still face declining enrollment. There has never been a better time to considering a career in the engineering technology profession!

Your CPD is ongoing

One of the ways that CTTAM works on behalf of its membership is by maintaining industry connections and providing opportunities for Continuing Professional Development (CPD).

CPD benefits our members by maintaining proficiency and competence. Check out the CPD article on page 14 of this newsletter, along with our website for upcoming CPD activities and networking sessions.

Save the date

On October 6, we will be conducting our 57th Annual General Meeting with members being able to attend virtually. Attendance is also a CPD activity.

P.S.

With summer quickly rolling into the fall, now is the time to do a quick review of your CPD and make a plan to complete your tasks before the end of the year. Let's start something new and possibly expand your horizons. Look for online courses, attend the AGM online. Turn to page 15 for details or check out our [website](#) for more tips on completing your CPD. Good luck!



Robert

ROBERT OKABE
CTTAM CEO and Registrar

About Robert

Robert (Bob) Okabe, C.E.T., FEC (Hon.), IntET (Canada), has been our CEO and Registrar since July 2015. He has a Civil Engineering Technology Diploma from Red River College Polytech.

Bob has served as Association President, Panel of Examiners Committee Member, CCTT Director and past Chair and Program Reviewer for CTAB and TAC.



Welcome newly certified

Congratulations to our latest members!

What it means to be certified → Learn more at cttam.com

Being certified through CTTAM permits our members to use one of two titles, Certified Technician or Certified Engineering Technologist. It also allows the use of the designations C. Tech. or C.E.T., depending on the type of certification. Earning a professional designation strengthens your knowledge base and distinguishes you from your peers.

These designations are recognized by industry and employers and indicate that you are a member of a professional association. Certified members may also vote in the association's elections, hold office and participate on one of CTTAM's many committees. There are also many discounts on different services available to our members along with access to the CTEN job bank at cten.ca.

Technicians

- | | | | |
|--|---------------------------------|------------------------------|------------------|
| Craig Joseph Spakowski , C. Tech. | Franklin Water Treatment Canada | Lucia Moon , C. Tech. | City of Winnipeg |
| Keitesha Shae Lynch , C. Tech. | Wescan Construction Services | | |

Technologists

- | | | | |
|--|----------------------------------|--|-------------------------------|
| Andrei Smolski , C.E.T. | Shaw Communications | Kim Salazar , C.E.T. | Shared Health |
| Anthony Mugabe , C.E.T. | Smook Contractors Ltd. | Madison J. Murphy , C.E.T. | Stantec Consulting Ltd. |
| Charles Robson , C.E.T. | Delco Automation Inc. | Mark Cruz , C.E.T. | City of Winnipeg |
| Eric Palud , C.E.T. | Penn-Co Construction Canada Ltd. | Matthew David Crockett , C.E.T. | Red River Polytechnic |
| Garrett Michael Feledechuk , C.E.T. | DGH Engineering Ltd. | Matthew Sean Fung , C.E.T. | Warm Home Insulation |
| Jill Aleksandra Coulter , C.E.T. | Associated Engineering Ltd. | Nancy Lee Lucier , C.E.T. | Manitoba Water Services Board |
| John Scott Hamilton , C.E.T. | Phillips | Nir Gurevich , C.E.T. | Integrated Power Services |
| Joseph Austin Astleford , C.E.T. | Quantum Utilities Ltd. | Tadeusz (Ted) Nowicki , C.E.T. | Capitol Steel |
| | | Vitaly Antonov , C.E.T. | Health Sciences Centre |

Our Strategic partners



Building on our strategic connections

Having strategic partnerships provides us and our associates with mutual opportunities to build brand loyalties with our members, along with increased opportunities to attract and retain highly-skilled technicians and technologists.



acec.ca



mpei.mb.ca



firecomm.gov.mb.ca



Featured on page 7!



enggeomb.ca



mrobotgames.ca



skillsmanitoba.ca



Strategic partner feature

Fair Registration Practices Office

The FRPO helps ensure that regulated professions and individuals applying for registration by regulated professions are governed by registration practices that are transparent, objective, impartial and fair.

The Fair Registration Practices Office (FRPO) administers *The Fair Registration Practices in Regulated Professions Act* and ensures the registration practices of self-regulated professions in Manitoba are fair and transparent.

The 31 self-regulated professions listed under the Act must ensure its members meet a high standard of professional practice. In doing so, they must also ensure that registration of professionals is fair, clear and well-defined.

CTTAM is regulated by the FRPO

The FRPO provides oversight so all applicants receive fair consideration and registration decisions are transparent, objective, impartial and fair.

FRPO works collaboratively with Manitoba professions under the Act to ensure their registration practices comply with legislation. By working together and making changes through an open and consultative approach, more qualified applicants are recognized and working to their fullest potential, with significant economic benefits to the province.

The Office of the Manitoba Fairness Commissioner (OMFC) was established in 2009 through passing of *The Fair Registration Practices in Regulated Professions Act*. Manitoba was one of the first jurisdictions in Canada to implement

fairness legislation. Through legislative amendments in 2021, the OMFC transitioned to the Fair Registration Practices Office.

Amendments also:

- Proactively ensure professions under the Act comply with domestic trade agreements;
- Formally entrench the requirement for regulators to ensure assessment criteria used for registration are necessary to the practice of the profession;
- Obligate regulatory bodies to notify the FRPO of changes to their assessment and registration practices prior to implementation;
- Provide for development of a regulation to establish timeliness standards for registration of qualified internationally educated applicants and
- Authorize the Minister to issue compliance orders to regulated professions that have shown serious, repeated unwillingness to follow recommendations of the Minister

Read the FRPO report on our registration process, on our [website](#).



Good luck to all applicants

Scholarship opportunity

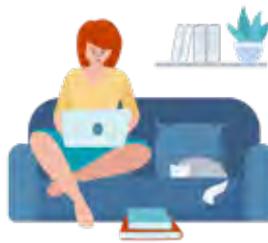
We are now accepting scholarship applications from member's children

Members' children are eligible to apply for CTTAM's \$1,000 scholarship.

Our scholarship provides assistance with expenses incurred while undertaking studies leading to a technician or technologist diploma in a recognized program of studying engineering technology or applied science technology.

\$1,000 SCHOLARSHIP

All submissions will be coded and the successful recipient will be chosen by the lottery method. The application form (PDF file) can be found on our [website](#).



SEPT. 23, 2022 DEADLINE

Any student who is currently enrolled full-time in a recognized program who meets the outlined eligibility criteria is encouraged to apply.





Board of Directors

Our BOD brings integrity, competence, insight, dedication and effectiveness to the organization

Over the past 57 years, the CTTAM Board of Directors (BOD) has supported the recognition of engineering technologists and technicians for their important role in engineering technology and applied sciences. We oversee this organization whose primary purpose is the certification and regulation of our members.



President

TED PROTO SAVAGE, C.E.T., MiM, P.Eng.
president@cttam.com



President Elect

JOSÉE RÉMILLARD, C.E.T.
pres-elect@cttam.com



Vice President

SHANNON NORDAL, C.E.T.

Past President

ANDREW PROCCA, B.Tech., C.E.T., PMP

Board Intern

MICHELLE EWASHKO

Directors

CHAD ERICKSON, C.E.T.
MARICLAIRE MONTON, C.E.T.
SHANNON NORDAL, C.E.T.
BERNARDO PASCO, C.E.T.
DANA SHEWCHUK, C.E.T.
ELAINE VEGH, C.E.T.
HARVEY KAITA, Member-at-Large

Check out our BOD meeting minutes on our [website](#).

Get on Board!

Board of Director nominations now open

Members who would like to develop their leadership skills, build relationships and make a meaningful impact to CTTAM and to their profession should consider running for our Board of Directors.

Calling all members

The Board of Directors provides strategic leadership, governance, establishes policy and oversees the operations and financial performance of CTTAM.

CTTAM's Nominating Committee is seeking nominations for general election of Directors to take office for a two-year period commencing October 6, 2022.

New members are supported and mentored by the existing Board Directors to help them ease and transition into this leadership role.

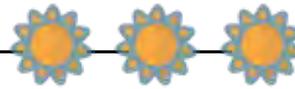
Current nominees

Our Nomination Committee recently announced the nominations of **Julie Schneider**, C.E.T., **David Atkins**, C. Tech. and **Mariclaire Monton**, C.E.T.

Get involved

Additional nominations may be made in writing by any twenty-five members. Such nominations must be received by the office of the CEO (Executive Director) properly endorsed, no later than forty-five days prior to the Annual Meeting in accordance with CTTAM By-law 7.3.

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If there are no additional nominees, Julie Schneider, C.E.T., David Atkins, C.Tech. and Mariclaire Monton, C.E.T., will take office at our AGM on Thursday, October 6, 2022.

Nomination Committee

- Serving Past President, **Andrew Procca**, C.E.T.;
- Past President, **Kellie Orr**, C.E.T. (Chair)
- Past President, **Grant Nicol**, C.E.T., IntET (Canada)

- Certification Board Member **Phelan Mar**, C.E.T. and
- CTTAM CEO & Registrar **Robert Okabe**, C.E.T., FEC (Hon), IntET (Canada)

Board of Director members are allowed to serve two terms.

You can make a difference!

Nominee profiles

David Atkins, C.Tech.



David attended Red River College in the late 90's studying AutoCAD Technology. Shortly there after he landed a position in quality control and spatial deliveries at Linnet Geomatics, working exclusively on a Manitoba hydro digitization/ conversion project. Spending half a decade in this position, and with the contract nearing an end David decided to spend a couple years focusing on his personal passion, billiards. David opened a billiards Service and Supply pro shop in one of Winnipeg's more popular chains of pool lounges. This billiards operation took him to interprovincial tournaments and thru Las Vegas over a two-year span, but the pro-shop was only going to prove to be a side project to pay for his hobby/habit.

In 2006 David accepted a position as a Civil Technologist with Earth Tech (now AECOM) in their Municipal Department doing everything from preliminary topo surveys to sewer and water design drafting to what seemed like an endless pile of city of Winnipeg As-builts.

Once again opportunity came knocking, and just after a couple years at AECOM David was head hunted from inside the petroleum industry. Superior Propane offered him a technical position in estimating/pricing commercial and heavy industrial projects and as the prairie regions procurement officer. The job brought travel opportunities from Thunder Bay towards Saskatchewan's Prince Albert and Saskatoon. It felt like a dream job, great team, deep corporate pockets, and all the professional networking one person could handle. But after just a handful of years the corporation decided to close all Canadian regional operation centers in favor of a national center in Guelph, Ontario. David stayed on for almost two more years during the transition and handoff, training new staff before his departure.

Currently David is employed with the City of Selkirk as a Civil Technologist. David is the lone technical employee for the city and does 100% of sewer/water and road packages.

From takeoffs and quantities to qualify for annual budget approvals, to detail design and contract administration, to as-builts and asset management change form data entry. David also oversees developers and third-party engineers lot grade applications as well as all permit review and final inspections. Usually with a summer student in tow, David appreciates the opportunity to expose our industry and his knowledge base to C.E.T. co-op summer students.

In 2021 David began the Certified Manitoba Municipal Administration (CMMA) program thru the University of Manitoba's continuing education branch. It's the uncomfortable times in life that create growth, and he was more than happy to accept a potential nomination to take a seat at the table with the CTTAM board.

Mariclaire Monton, C.E.T.



Mariclaire Monton is a graduate of Red River College with a diploma in Structural Engineering Technology and is a Certified Engineering Technologist with CTTAM. Mariclaire has nearly 10 years of experience in residential and commercial construction. Her career began as a Materials Technologist and Operations Coordinator for the first few years. After achieving her CET designation, she progressed to a Construction Estimator position and was presented with an opportunity to become a Project Coordinator. Through a variety of projects and positions she has gained knowledge in different aspects of construction. Mariclaire is now a Construction Coordinator for Defence Construction Canada.

Along with her current role, she is also a representative for the Diversity and Inclusions Committee for her local site. Mariclaire continues to broaden and improve her skills through training seminars held by CTTAM and the Winnipeg Construction Association.

Mariclaire has been nominated for a second term as a Board Director.



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Julie Schneider, C.E.T.



Julie is currently employed with Manitoba Hydro. Her work ethic supports the development of strong working relationships that make her extremely effective at managing and executing any assigned roles or responsibilities.

Julie has held positions across Manitoba that have provided opportunities to travel and meet new people. She has been an integral part of the design, installation and maintenance of critical transmission and generation control, communications and civil instrumentation equipment. Each position has required increasing levels of due diligence, independence, communication, meticulous documentation practices and collaboration in an interdepartmental framework.

Some of her recent accomplishments include:

- Identifying an opportunity using Agile Methodologies to complete the Limestone GSCADA's Control System Upgrade 1.5 years ahead of our typical UCMS design cycle and \$1million under budget;
- Aligning a cross-functional and cross-disciplinary team to a common process for the Maintenance Program Review. She developed the process built on lessons learned to support the team's goals, enable continuous

improvement, tracking of progress and team accountability;

- Leading the Generation Design Department action planning team for Information and Communication to develop and implement an action plan to increase employee engagement and
- Representing Manitoba Hydro in the Asset Management in Generation CEATI working groups for Asset Hierarchies

Julie graduated from the RRC Polytech Computer Engineering Technology Program with honours in 2003. She has completed the IAM Asset Management Certificate Program and has obtained a Certificate in Applied Management as well as a Certificate in Management and Administration.

Thank you to the nominees who let their names stand!



Our technology ring

A sign of your success, the ring is recognized across Canada

The outward visible symbol

of certification in the profession is our CTTAM professional ring.

The sterling silver band features a repeating pattern of five gears bracketed by a maple leaf on each side.

The technology ring represents the union between the member, the Association and fellow members.

It may be worn according to the member's preference but professional rings are traditionally worn on the last finger of the working hand (pinkie finger).

The maple leaves were chosen in order that the ring would be acceptable to all Canadian technicians and technologists.

The gears represent the five members of the engineering team: trades person, technicians, technologists, engineers and scientists.

The ring is distinctive enough so that the general public could identify at a glance a Certified Engineering or Applied Science Technician or Technologist from other professions.

The technology ring is available to all certified Technicians and Technologists at a cost of \$100 and can be purchased from CTTAM.

How to buy

Please contact Lauren at 204-784-1081 if you have questions or would like to purchase a ring.

You will have to book an appointment to try on and pickup any ring orders.

Get your ring today!



Member profile

Robert Burke, C.E.T.

Robert provides a wide variety of services for his employer, Eaton, which includes delivering field service engineering and technical assistance to customers in areas of installation, startup, maintenance, repair, training and modification on power transmission, distribution and generation equipment and systems. He has worked in this role for over 20 years.

What is your job title and employer?

I am a Senior Field Service Representative at Eaton here in Winnipeg. I work in their electrical engineering services and systems department.

Where were you born?

I was born in Labrador City, a town located in western Labrador (part of the provinces of Newfoundland and Labrador), near the Quebec border.



Which program of study did you take and where?

I completed the electrical engineering technology program at Red River College Polytech from 1998 to 2000. It was a compressed program with no break in between semester. I was in school for 24 months straight with no time off.

What were your high school interests?

In high school I was interested in the outdoors, where I spent time guiding for clients who wanted to hunt and fish, rode snowmobiles and went camping whenever I could. I also like to fix motorbikes and snowmobiles.



How did you get into your line of work?

I entered into this line of work after being recommended by a friend to a field service company here in Winnipeg.



Did you have a person and/or mentor in your life that influenced your education and career choice?

My father suggested that I get into a trade or focus on a career/education that had a better future.

I was working as a guide in and around Newfoundland and Labrador.

My father worried this career path may decline due to the rapidly decreasing size of the George River caribou herd.

Editor's note: According to the [Northern Caribou Canada](#) website the historic range of the George River herd was almost 100,000 km², from the eastern shore of Hudson Bay in northern Quebec, and the Atlantic coast line in Labrador. That range shrank by about 85% in the late 1990s. It is now almost entirely in Labrador.

The decline steep decline is blamed largely on degradation of the caribou habitat by an unsupportable large population in the early 1990s and other factors.

Professional information

Working at Eaton means that I work alongside and manage some of the most experienced and professional field services technicians and engineers in the industry.

My team and I also assist customers at every stage: providing support and maintenance in person, remotely as well as responding to emergencies on a 24/7 basis, 365 days a year.



Robert takes pride in always providing a positive customer experience. He also mentors technicians with less knowledge. Robert is a long-term CTTAM member, joining the organization in January 2006.

What are your job responsibilities and duties?

I am responsible for managing and executing various electrical projects at Eaton.

I have to test many parts of an electrical system on low/medium/and high voltage applications.

I have certifications in variable frequency drives, transformer testing, air circuit breaker testing, programming protection relays, cable testing and many other field related duties.

Member employer feature

Eaton—A legacy of innovation

The company serves 175 countries and employees over 85,000 people world wide.

Eaton’s electrical business is a global leader with expertise in power distribution and circuit protection, power quality, back-up power and energy storage, control and automation, life safety and security, structural solutions, solutions for harsh and hazardous environments and engineering services.



An overview of Eaton

It all began in 1911 with Joseph Eaton.

In a time when transportation was on the verge of dramatic change, he invested in a new idea — the very first gear-driven truck axle. More than 100 years later, the business has transformed and grown significantly, but remains committed to his spirit of innovation.



Over the years, Eaton has expanded their expertise and portfolio

of products, services and systems by integrating the competencies of some of the world’s most respected names into Eaton. This has built the brand customers can trust to meet their toughest power management challenges.

The world’s demand for power keeps growing

Today, the world runs on critical infrastructure and technology. These are things people depend on every day. And the companies behind them depend on Eaton to help solve some of the toughest power management challenges on the planet.

Eaton believes that power is a fundamental part of just about everything people do.

The company is dedicated to improving people’s lives and the environment with power management technologies that are more reliable, efficient, safe and sustainable.

They do business in more than 175 countries. Their energy-efficient products and services help their clients effectively manage electrical, hydraulic and mechanical power.

This is done by:

- Giving people the tools to use power more efficiently;
- Helping companies do business more sustainably and
- Encouraging employees to think differently about their business, their communities—and the positive impact they can have on the world.

In 2021, Eaton recorded \$19.6 billion (U.S.) in sales and had over 85,000 employees worldwide.

There are eight Eaton distributors located in Winnipeg.

A broad array of products

As a power management company Eaton handles several different product lines, covering electrical, aerospace, vehicle and eMobility (serving the electric car marketplace).

Electrical

Eaton helps their customers meet the demands of the world’s ever-growing need for power. Their electrical products help utilities generate, transmit and distribute power. And once that power is distributed, they help people use it efficiently and safely, whether in a building, industrial facility, data center or home.



Aerospace

Eaton is a market leader in hydraulics, motion control, air frame fuel, air frame pneumatics and engine solutions.

They work with their customers to develop safe, reliable and efficient solutions for aircraft, with an emphasis on lower lifecycle costs, system integration, optimized system controls and reduced weight.



Continued on page 13.

Continued from page 12.

Vehicle

Original equipment manufacturers of commercial and passenger vehicles look to Eaton for solutions that enhance overall vehicle efficiency, reliability, safety and driveability. Their vehicle products include emission control components, engine valves, valve train systems, superchargers, transmissions, clutches and torque management products and systems.



eMobility

As consumers and major vehicle manufacturers incorporate electric vehicles into their transportation offerings, both

Eaton and the industry are well-positioned for strong growth opportunities in electrical vehicle platforms over the next 10 to 20 years.



Launched in early 2018, the eMobility segment combines elements of Eaton's electrical and vehicle businesses to deliver electric vehicle solutions.

Learn more about Eaton's wide-range of products, people and their industry partners by going to their [website](#).

Investing in the future CTTAM endowments

Your gift makes a difference in so many students' lives

Support from alumni, donors and partners including CTTAM members, has helped RRC Polytech grow into a robust and agile training institution, able to meet the challenge of helping technology students become leaders in their chosen fields.

CTTAM will graciously accept donations to the RRC Polytech endowment fund on our members behalf. Donors receive a tax receipt directly from RRC Polytech. For more information, please contact Robert Okabe, CTTAM's CEO and Registrar, at 204-784-1080.

Endowment program details

When you create an endowment fund in support of RRC Polytech, they invest the entire donation, and use the annual investment income to support the program, area, or funding priority of your choice. Endowments are also the perfect vehicle to fund a scholarship, bursary, or award. Endowed gifts provide a way to have a lasting, long-term impact on the College and their students. Transform their learning and research spaces. Enhance their student experience. Advance Indigenous achievement. Support a specific program area. The choice is yours! You retain the power to change your bequest at any time as your plans or financial circumstances change. Click on the link to find out more about the college's [endowment program](#).



RRC Polytech usually celebrates their students' achievements at a yearly technology awards event.

Photo courtesy of Red River College Polytech.



Your donations

When you create an endowment fund in support of RRC Polytech, we invest the entire donation, and use the annual investment income to support the program, area, or funding priority of your choice.

Endowments are also the perfect vehicle to fund a scholarship, bursary, or award.





MEMBER PROFILE



Oscar McDougall, C.E.T.

Oscar has been a CTTAM member since March 2020

As a Capital Project Director for the St. Theresa Point First Nation, Oscar oversees the planning, design and construction of infrastructure for this northern Manitoba First Nation.

What is your job title and employer?

I am the Capital Project Director for the northern reserve of St. Theresa Point First Nation.

Where were you born?

We never had a hospital in our community so I was born in the nearest hospital at Norway House. I grew up in St. Theresa Point, until I was a teen when I moved in order to attend high school.

Which program of study did you take and where?

I graduated from the Civil Engineering Technology program at Lakehead University in Thunder Bay, Ontario.

Who was your first employer after graduation? What was your position?

After graduation, my first employer was my First Nation community where I was employed as a field engineering assistant. I was part of the team responsible for building a new school.

What were your high school interests?

In high school I was interested in math, physics and basketball.

How did you get into your line of work?

Through my education as a engineering technologist.

I love being able to take my skills and knowledge and apply them in the real world.

Did you have a person and/or mentor in your life that influenced your education and career choice?

When I was in high school during an interview with the student counsellor they asked me what I wanted to do after graduation. I told them that I was interested in fixing cars. They suggested that I focus on engineering as it blended my love of math and working on cars.

What are your job responsibilities and duties?

(List some of the tasks that you are responsible for and the kind of skills and training required to succeed in your job.)

As part of my responsibilities, I manage First Nation projects using good communication, interpersonal skills, and I have to be very organized. I also help plan projects, map out timelines and execute each phase of the project.

I also supervise every aspect of the community's construction projects. I manage structure and facilitate budgets, set and maintain schedules, oversee on-site safety and make sure that everyone completes duties on time.

The assets that I oversee includes:

- Roads;
- Our wastewater treatment plant;
- Our water treatment plant;
- Sewer and water and
- Housing construction.



Oscar participated at our October 2021 AGM. One activity credited to his CPD account!



St. Theresa Point First Nation

The St. Theresa Point First Nation is located on the southwestern shore of Island Lake in Northern Manitoba. Thompson is 350 air kilometers to the northwest and Winnipeg is 600 air kilometers to the southwest. The Island Lake Reserves are accessible by winter roads during the winter season. There are approximately 11 kilometers of internal roads.

The language spoken is the Island Lake dialect, Oji-Cree.

St. Theresa Point obtains water from Island Lake, which is chlorinated at the water treatment plant (operational as of summer 2000) and hooked up to the main water supply line and distributed via a 17-standpipe system.



Register now. limited spaces

Mark your calendars!

AGM is being held at the Royal Aviation Museum of Western Canada

Our annual AGM will be held on Thursday, October 6 at the Royal Aviation Museum of Manitoba. Attendance counts as a CPD activity!

Save the date!

Please join us virtually to hear about your association's achievements and learn the results of our Board of Directors general election.

In-person attendance has been restricted to 50 people with strategic partners, presidents from sister



Photos courtesy of RAWC and photographer David Lipnowski.

associations, Board directors, as well as CTTAM members receiving awards attending the AGM in person.

New Board Members will be announced and start their two-year term as well on October 6.

AGM registration details have been emailed to our members with information on how to attend the event virtually.

For more information, email [Cathy Penner](#), Registration Services Coordinator, or call 204-784-1082.

Attending the AGM also qualifies for a Continuing Professional Development credit.

Museum background

In early 2022, the museum re-opened its doors in a brand new purpose-built state-of-the-art building.

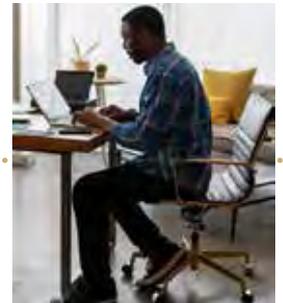
The museum has one of the largest and most historically significant aviation collections in Canada with over 90 aircraft in their collection.

Originally founded in 1974, the new RAMWC is a world-class facility with enhanced experiences, engaging visitors in Canada's aviation and aerospace heritage while providing an environment to inspire future generations of aviators and innovators.

The RAMWC also seeks to honour and commemorate the history of Indigenous Peoples and aviation in Western Canada as well as engage with the complex history of travel, trade and relationships.

The RAMWC recognizes the importance of aviation history to Manitobans and display historically significant artifacts.

More information on the Royal Aviation Museum of Western Canada can be found on their [website](#).



Record and review your CPD online

It's easy to track your CPD progress

Reviewing and tracking our Continuing Personal Development (CPD) should be an ongoing practice. All your CPD activities can be recorded within your online member profile.

Activities such as peer training, volunteering, employer provided training, all qualify for CPD credits as well as attending our AGM in person or online.

Our *CTTAM Code of Ethics* requires members to "keep informed to maintain proficiency and competence, to advance the body of knowledge within their discipline and further opportunities for the professional development of their associates".

Being a certified member requires an annual report of CPD. The following certified members are required to report CPD:

- Certified Technicians (C.Tech.);
- Certified Technologists (C.E.T.) and
- Certified Applied Science Technologists (A.Sc.T.)

Our CPD program demonstrates that you are committed to serving the public and the profession by maintaining and developing your proficiency and your competency.

The CPD program is flexible and allows you to determine and select your own learning path.

Our CPD program guide provides information regarding the program as well as how to record your CPD learning.

The PDF file guide can be found [here](#).

If you have questions regarding your CPD program or need help recording it online, please contact Lauren Gluck, MemberServices Coordinator, at 204-784-1081.

Upcoming RRC Polytech courses



BUILDING CODE COURSES

Fall 2022

Technology Solutions for the Workplace

INQUIRIES:

Course details:
rrc.ca/techsolutions

Course specific inquiries:
techsolutions@rrc.ca

Download the Registration

COURSE CANCELLATION POLICY: Students who cancel their registration less than 8 days before the start of the course will be charged a \$50.00 fee. Course cancellations after the first day of class are not eligible for any refund.

Introduction to the MB Building and Fire Codes ONLINE (Div. A and C)
CIVL-1085 ID: 231895
 Sept 1 - 23, 2022
 Cost: \$572.00
 This course is delivered online, and you will work at your own pace under the guidance of an instructor. The course contains approx. 16 hours of course work.

Part 3 Large Buildings BLENDED ONLINE DELIVERY
CIVL-1093 ID: 231896
Prerequisite: Part 9 Small Buildings
 Sept 6 - Oct 14, 2022
 Cost: \$795.00
 This course combines live WebEx sessions with the instructor and online learning. WebEx sessions will be held Tuesday and Thursday mornings 9-11 am. The course contains approx. 40 hours of course work. Due to the highly compressed nature of this course, you are expected to spend 6-8 hours each week to go through the materials and complete assignments.

Part 3 Large Buildings EXAM
CIVL-1094 ID: 231899
 Avail: Oct 17-21, 2022
 Cost: \$150.00
 This exam will be available online.

MB Building Bylaws ONLINE
CIVL-9002 ID: 231897
 Sept 12 - Oct 7, 2022
 Cost: \$572.00
 This course is delivered online, and you will work at your own pace under the guidance of an instructor. The course contains approx. 24 hours of course work.

MB Building Bylaws EXAM
CIVL-1074 ID: 231898
 Avail: Oct 11 -19, 2022
 Cost: \$150.00
 This exam will be available online.

Part 3 Complex Buildings Online INTERACTIVE ALTERNATIVE DELIVERY
CIVL-1083 ID: 231900
Prerequisite: Part 3 Large Buildings
 Oct 17 - 21, 2022
 Cost: \$572.00
 This course combines live WebEx sessions with the instructor and online learning. WebEx sessions will be held **DAILY** from 9-11 am. The course contains approx. 24 hours of course work. Due to the highly compressed nature of this course, you are expected to spend 5-6 hours each day to go through the materials and complete assignments.

Part 3 Complex Buildings EXAM
CIVL-1084 ID: 231901
 Avail: Oct 24 - 28, 2022
 Cost: \$150.00
 This exam will be available online.

COMING UP WINTER 2022-2023

Part 9 Plumbing BLENDED ONLINE DELIVERY
Course Code: CIVL-1095
 Dates TBD
 Cost: \$795
 This course combines online learning with live sessions with the instructor twice per week. The course contains approx. 40 hours of course work.

Manitoba Energy Code for Buildings (MECB 101 Part One) ONLINE
Course Code: WRKS-9081
Section ID: 221557
Prerequisite: Part 3 Large Buildings
 Dates TBD
 Cost: \$572
 This course is delivered online, and you will work at your own pace under the guidance of an instructor. The course contains approx. 16 hours of course work.

Manitoba Building Code Courses

Get more information on dates and course costs, or contact RRC Polytech by **email**. Additional course information is also on their **website**.



Photo courtesy of Red River College Polytech.

Keep in touch



Ensure you are receiving our updates. We regularly send out emails announcing events and professional development seminars. If you are not receiving these emails, contact us at admin@cttam.com or call 204-784-1081.

We will gladly update your email address on your member profile and update contact information.

Register today!

2022 Mid-Canada Snow Conference

Become more *Ready and Resilient*

The conference runs from Sunday, October 27 to Monday, October 28, 2022.



Laugh along with comedian Big Daddy Tazz!

As a Certified Engineering Technologist, you may be interested in a career as a Public Works Manager in a municipal or provincial setting. You may also be already working in such an organization and you hope to advance your career. The 2022 Mid Canada Snow Conference and Trade Show is an excellent way to prepare yourself for some of the major activities of a snow clearing and ice control department.

According to Wilf Nixon, President of the Professional Snowfighters Association, the two major issues now facing snow clearing operations are personnel and equipment. Between an aging workforce and COVID-19, the current pool of skilled equipment operators is becoming hard to sustain. It can also be very difficult to attract new qualified operators. This is why it is so important to keep staff healthy and focused on their tasks.



The same goes for our equipment. Supply chain issues have affected both new equipment purchases, parts and supplies. New equipment orders are taking much longer to fill. It also makes it hard to keep units on the road and increases repair downtime.

Attend the show

Let's face it, people and equipment resources took a beating over the past years. But there is a way to help get a better handle on these issues. Attend the 2022 Mid Canada Snow Conference and Trade Show and become more *Ready and Resilient*.

The conference will be held at the Victoria Inn Hotel and Conference Centre in Winnipeg.

Sessions include:

- Weather Forecasting, De-icing;
- Salt SMART;
- Emergency Winter Preparedness;
- Event Management: Mapping and Tracking;
- How Snow & Ice Control Affects Owners Claims and Risk;
- Communicating Snow & Ice Control;
- Shift Work and Personal Health and
- Panel discussions on Contracts and Equipment

The trade show also has exhibitors showing the latest innovations in equipment, supplies and technology.



Keynote speaker promotes positive change

Our keynote speaker is Ian Hill. Ian is recognized for being a catalyst for positive change throughout the world. Ian is CEO of the [National Grassroots Media Corporation](#).

You can also test your skills at the Roadeo! The Roadeo competition demonstrates: accuracy, skill, proficiency and good sportsmanship in a relaxed and supportive atmosphere. Participants are scored on how accurately they can negotiate the various obstacles in the course.

The Canadian Public Works Manitoba Chapter would love to see you there! More information about the chapter is on their [website](#).

Registration for the 2022 Mi-Canada Snow Conference is now open. The conference cost, registration link and speaker highlights can be found on their [website](#).



The Manitoba Technologist is published by the Certified Technicians and Technologists Association of Manitoba (CTTAM).

The opinions expressed by the authors do not necessarily reflect the official views of the Association. This newsletter acts as a moderator without approving, disapproving or guaranteeing the validity or accuracy of any data, claim, or opinion appearing under a byline or obtained or quoted from an acknowledged source. CTTAM recognizes that Winnipeg is on Treaty 1 territory, the territory of the Anishinaabeg, the Nehiyaw, the Oji-Cree, the Dakota, and the Dene Peoples and on the Homeland of the Métis Nation.

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