

THE MANITOBA TECHNOLOGIST

Certified Technicians and Technologists Association of Manitoba

15
newly certified
registrants

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Introducing our new leader

As incoming President, Shannon Nordal, C.E.T. wants to raise the value of technology and applied science professions while continuing to strengthen CTTAM's services and community involvement.



Editor's note: We had Shannon answer some questions to help everyone to get to know our new President better. Below are her answers.

What do you feel is the biggest strength of our association right now?

I believe our biggest strength is our strong sense of community and ability to collaborate among our diverse registrants and industry partners. They help fuel our growth, inspire innovation, and create a space where everyone feels they can thrive. Our collective community is more than just a strength; it's the heartbeat of CTTAM as an organization.

What goals do you have for the organization?

First, to continue working on increasing our number of active certified registrants and grow the organization as a whole through a strong presence in post-secondary institutions and industry. I also plan to focus on increased engagement opportunities and communication with our existing membership. Lastly, I hope to continue the ongoing efforts made on a national level which help support professional mobility and brand awareness for the technical professional.

Where did you complete your education and/or training?

My education includes earning a Diploma with Honours from the Environmental Engineering Technology program at RRC Polytech in Winnipeg. During my studies I completed one work term at the City of the Winnipeg — traffic signals department, and then at Dillon Consulting Limited where I continued working after graduation as an environmental field technologist.

I've now been working at RRC Polytech for about five years, beginning in the Work-Integrated-Learning (co-op) office where I developed my skills in responding to dynamic industry needs. Over the years I have gradually taken on more courses to become a full-time instructor and environmental program lead with a strong sense of advocacy for the growth and success for the engineering technology programs at the College.

What motivates you in your career?

There's something incredibly rewarding about being able to support someone on their journey to reach their full potential, whether that's through teaching, coaching, or simply encouragement. I believe that everyone has unique strengths and talents, and a motivation in my career is to help them recognize and harness those abilities.

I'm also driven by the personal challenge of constantly learning and evolving. The world is always changing and I love finding

new ways to adapt, innovate and tackle new problems head on. Working and volunteering alongside talented individuals at the College and CTTAM drives me to keep growing and developing.

What advice would you give to a young person interested in a similar career?

One piece of advice I would give a young person is to embrace a growth mindset by staying curious and open to learning. It's good to challenge yourself, even if it means being uncomfortable at times; perhaps attending a networking event where you don't know anyone going in, taking on new responsibilities at work, or newly volunteering at an organization. While it may seem intimidating at first, putting yourself out there is how you grow and build upon that sense of self, your networking, and ultimately help create that strong community.

How can you in your profession and new role as CTTAM's President influence the advancement of young people in engineering and technology?

Working at RRC Polytech gives me a direct path to support engineering technology students entering the industry. I'm excited to increase the presence and awareness for CTTAM among students and explore opportunities beyond the College for further advancement among young people. Showcasing diversity, hosting information and networking sessions, actively participating in provincial and national competitions, partnering in mentorship programs and celebrating success stories are just a few ways to accomplish that influence and advancement.

Where were you born and where did you grow up?

Born and raised in Winnipeg. I have five other siblings and we all grew up here. A few of my brothers have moved to other provinces over the years, but Winnipeg remains near and dear to my heart and I'm happy to call this city home.

What are your outside interests?

Family and friends are a big part of my life. I enjoy spending time with them but also cooking and baking for them— being in the kitchen is a creative outlet for me and a way to be adventurous by trying new foods and flavours. I also enjoy camping, traveling, going to festivals and concerts. When I need down time to recharge, I enjoy watching movies and playing video games.

Shannon

Shannon Nordal
CTTAM President



Shannon graduated with honours from the Environmental Engineering Technology program at RRC Polytech. She was awarded Co-operative Education Manitoba's 2017 Co-op Student of The Year, and received a national honourable mention from CEWIL Canada. In 2019 Shannon was awarded the CTTAM President's Volunteer Award for helping drive student registration numbers and participating in CTTAM's strategic planning session. Shannon now works at RRC Polytech in the Civil Engineering Technology and Construction Management Department, instructing the environmental management course.

Assess and improve

With our registrant fees increasing over the past two years, now more than ever, I continue to evaluate our processes and related costs. Looking for ways to save money isn't always straight forward. Together with the Board, we review the budget, our operational costs and examine if they match our mission and our strategy. Serving you is always top of mind. We also want to grow our organization appropriately while promoting our profession.



Why we do what we do

Most of us continue to experience higher-costs and unwelcome hits to our pocketbooks, across most aspects of our everyday lives. Drop into a grocery store for a few things and it is so hard not to spend over \$50 dollars. Keeping down costs while providing noticeable value is the course I track whether its in business or in my personal life.

Overhead expenses with any organization — such as rent, utilities, payroll, insurance and office supplies — are unavoidable. Attempts to cut these expenses too sharply can reduce CTTAM's reach, our ability to follow our mission or attend to our registrants.

Unfortunately, most of the costs connected to raising our fees come from matters that we can't control. Our membership fees in Technology Accreditation Canada have gone up along with higher inflation.

But we have reduced costs where we can. Closing our separate office space and sharing offices with a like organization has saved money, along with a remote hybrid work program whenever it makes sense. Not printing and mailing this newsletter has also lowered our costs. Being a non-profit we cannot make excessive profits from any of our services, but we do hold a stable financial reserve. That is why we keep our dues fees and course costs at responsible levels. We have produced a fact sheet which gives a further breakdown on our expenses. It has been posted on our [website](#).

Revisiting expenses such as chargeback credit card costs has led us to now offer e-transfers as a payment method. Using e-transfer is now our preferred method of payment as there is no fee associated for us with this process. Most financial institutions also do not charge for this service.

More details on our payment processes can be found on page 9.

Clear and transparent

We hosted our AGM on Saturday, September 21 at the Canadian Museum

of Human Rights at The Forks. At the meeting we reviewed our financial statements and responded to questions.

Approximately 60 registrants along with guests from RRC Polytech, ACEC-MB, Assiniboine Community College attended along with CEOs and Presidents from ASET and OACETT.

We also said goodbye to our out-going President, Josee Remillard and welcomed Shannon Nordal as our new President.

Wind turbine competition

CTTAM, along with Skills Canada (Manitoba) and RRC Polytech sponsored the Annual Model Wind Turbine Competition held at the RRC Polytech Notre Dame Avenue campus on October 30. Ten teams of grades nine and ten students built model wind turbines with supplies provided by CTTAM. Event photos and details are on page 15.

Your commitment to your profession

Being CTTAM registered means committing to completing your CPD tasks before the end of the year. Our staff are available to assist with any CPD questions and guide you through paying your annual dues if you have any issues.

Robert

Robert Okabe
CTTAM CEO and Registrar

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



Congratulations!

Welcome to our new registrants

CTTAM certified



➔ Technologists

Adriano Mercedes Cano Jr. , C.E.T.	Friesens Corporation	Ryan Nakonechny , C.E.T.	Barnes & Duncan
Arjan Sandhu , C.E.T.	Building Products	Ryan Peters , C.E.T.	Shared Health
Austin Zayac , C.E.T.	AECOM Canada Ltd.	Salahadin Ali , C.E.T.	PTI Transformers LP
Cody Lariviere , C.E.T.	New Flyer Industries	Sanjiv Anto , C.E.T.	Celco Controls
Kate-Lynne Hickey , C.E.T.	StreetSide Developments	Tanner Stregger , C.E.T.	Shared Health
Rafee Nezami , C.E.T.	RTDS Technologies	Tyler Gerein , C.E.T.	DGH Engineering Ltd.

➔ Technicians

Elhadji Malick Gnah , C. Tech.	Canmak Roofing & Fencing Ltd.
Kkotsongyi Park , C. Tech.	City of Winnipeg
Varpreet Singh , C. Tech.	Price Industries

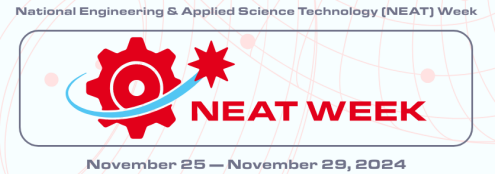
Your
certification
matters

Being certified earns our registrants the right to use one of two titles, Certified Engineering Technologist (C.E.T.) or Certified Technician (C. Tech.). Our professional registrants are highly attractive to employers and are recognized for their solid training and expertise. Certified registrants may also vote in our elections, hold office and participate on one of our many committees. Registrants can access discounts on different services and can explore career opportunities at the Canadian Technology Employment Network job bank at cten.ca.

November 25 to 29

National Engineering and Applied Science Technology (NEAT) Week

TPC launches student technology competition



Coming this November, the NEAT week centres around a new competition that showcases and celebrates the technical excellence and ingenuity that exists within engineering and applied science technology educational institutions. The competition was established by Technology Professionals Canada (TPC) to demonstrate the knowledge and skills students have gained in their academic program and how they can apply them to real-world problems and issues.

Your voice matters

NEAT Week has a capstone competition where three national finalists will be selected from nine provincial winners. The three finalists will present their projects during a webinar, with winners being chosen via audience vote, so your vote counts!

Watch the presentations and cast your vote to help crown Canada's first-ever top National Capstone Project winner. Your participation is key as your vote decides the winner! Register [here](#) for the zoom call to vote on the project competition final. The competition is on Tuesday, November 26 at noon, Winnipeg time.

NEAT is also hosting an AI webinar called, *The Role of AI in Shaping the Future of Engineering: Insights, Tools, and Practical Tips*, on Thursday, November 28, 1 p.m. to 2 p.m. Eastern time. Interested participants should register [here](#). Watching this webinar qualifies as a Continuing Professional Development activity. Mark your calendars and don't forget to cast your vote.

"Encouraging students to compete and show their skills is not only exciting but can inspire us to try new and efficient ways to do our work. I can't wait to watch, to cast my vote and see who will take home the top prize. Don't forget to register and cast your vote!" remarks CEO & Registrar, Robert Okabe.



Scholarships awarded

They're a great way to help you pay for one's education and leave students with less debt once they graduate.

Our association awards annual scholarships to the children of CTTAM registrants. The successful recipients are enrolled in an engineering technology or applied science program of study that leads to a technician or technologist diploma. Students registered in an engineering or science program at the University of Manitoba can also apply. The scholarships assist with expenses incurred while undertaking studies.

Nothing to lose

Applying for scholarships requires some time and a bit of effort. But the rewards could make it all worthwhile.

If you don't apply, you will never know if you could have been successful.

Applications for 2024 have closed but if your child is eligible for next year, mark your calendars and make sure they apply in 2025. It's worth spending some time looking into all funding options or putting together some applications.

Congratulations to all of our scholarship winners!

2024 scholarship award recipients

Abdalla Mohammed

U of M — *Computer Engineering*

Christian Juganas

U of M — *Electrical Engineering*

Daniel Hempel

RRC Polytech — *Electronics Engineering Technology*

Francis Xavier Ajusto

U of M — *Mechanical Engineering*

Jack Moore

RRC Polytech — *Civil Engineering Technology*

Keenan Lehmann

U of M — *Mechanical Engineering*

Ruo Yun Dong

RRC Polytech — *Electrical Engineering Technology*



Daniel Hempel and Serge Hempel, C. Tech.



Samuel Juganas, C.E.T. and Christian Juganas



Ruo Yun Dong and Wei Dong, C.E.T.



Emeritus Ajusto, C. Tech. and Francis Xavier Ajusto

Have you renewed your registration?

It's time to pay your dues and review your contact information

At the beginning of November, your registration renewal notices are posted to your profile on our website. Renewing your registration online is as simple as signing in and heading to the *Renew Registration* link in your registrant profile.

How to renew

Renewing your registration is easy as payment can be completed several ways. You can pay online at cttam.com within your registrant account or by sending an e-transfer to our email address, admin@cttam.com. Payment can also be made by calling our staff at 204-784-1081/1082/1083. Detailed instructions on how to renew your registration can be found on our [website](#).

Our registrant community

CTTAM sets your dues at rates that offer optimal value for our services while allowing for a small contingency fund.

In 2025, our certified member dues will increase by \$10 to \$235.

"Being efficient, good stewards and delivering value for the resources our registrants provide is always a top priority for CTTAM, says CEO & Registrar, Robert Okabe. We never take any fee increase lightly. It's a balancing act, as we don't want our registrants to pay too much but we also need to deliver an experience our registrants value. Modest dues increases are part of this formula".

Why did our dues increase?

This increase was driven by our Technology Accreditation Canada membership fees going up and inflation. CTTAM still

has one of the lowest dues when compared to other associations across Canada (see chart below). Detailed financial information that relates to registrant fees can also be found on our [website](#).

CTTAM has a national affiliation with Technology Professionals Canada as well with Technology Accreditation Canada, resulting in payment of annual dues based on the number of our active members. Inflation also affects our costs. We have also lost some of our members due to retirement as we face an aging population.

Why join CTTAM?

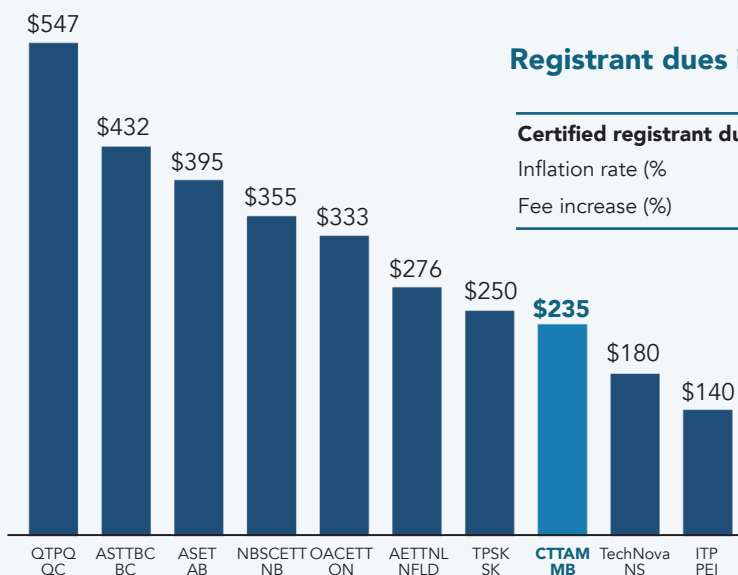
As a CTTAM registrant you have;

- Validated to your employer, clients and associates that you have achieved a level of professionalism and
- Worked hard to earn the right to use one of our exclusive and protected titles.

Certification with our organization demonstrates that you have:

- Agreed to uphold and abide by a Code of Ethics;
- You have been evaluated by your peers and have met a national standard of education and experience;
- You have made a commitment to your profession and
- You have made a personal statement that you are a technology professional.

Similar Canadian organization fees comparison



Registrant dues increases versus inflation rate

	2025	2024	2023	2022	2021	2020	2019	Total
Certified registrant dues (\$)	235	225	200	200	200	200	200	
Inflation rate (%)	1.9	2.6	3.9	6.8	3.4	0.7	2.0	21.2
Fee increase (%)	4.4	12.5	—	—	—	—	—	16.9

Due increases are 4.3% below the inflation rate



A convenient way to send payments *Pay* Your dues by e-transfer

Using an e-transfer to pay your dues is now available

Using an e-transfer/electronic direct deposit is an easy way to send money when you are ready to pay for your annual dues courses or any CTTAM service. For some registrants using an e-transfer is more convenient as it is an instant exchange of money.

E-transfers typically have lower fees than credit cards and in some cases no fee is charged, depending on your financial institution. This can lead to significant savings for our organization, especially since e-transfers do not have a chargeback cost.

How to send an e-transfer

Before you start, you'll need:

- A Canadian bank account with a participating financial institution;
- The email address of the person/organization you are sending money to who must also have a Canadian bank account with a participating financial institution. Ours is admin@cttam.com and
- Access to your online banking through your financial institution.

You should consult your financial institution if you have any questions or concerns.

E-transfers for dues payments should be sent to our admin@cttam.com email address.

Once we have processed your e-transfer, the payment will be posted to your registrant account on our website stating that payment was made via e-transfer.



2025 registration renewal timeline

2024

➡ **December 31, 2024** — Renewal deadline

2025

January 1 — 90 day notice reminder

February 1 — Registrants who have not renewed will be assessed a late fee in addition to their registration fee

February 15 — 45 day notice reminder

March 1 — Final notice mailed

March 31 — Last day to pay registration fee

➡ **April 1** — Certification cancelled and you are removed from our active roster

The Manitoba Technologist



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.

Articles, suggestions or constructive criticism regarding this publication, CTTAM or other matters of interest to engineering and applied science technicians and technologists should be sent to the CTTAM office.

CTTAM office

870 Pembina Hwy (2nd floor)
Winnipeg, MB R3M 2M7
204-784-1088
admin@cttam.com

Office hours

Our office is open from 8 am to 4 pm, Monday to Friday

Note: Appointments are required to meet CTTAM staff in person

CTTAM staff

Robert Okabe, C.E.T., FEC (Hon.), IntET (Canada)
CEO and Registrar

Lauren Gluck
Deputy Registrar/
Registration Inquiries

Marian Parreno
Registrant Services Coordinator

Cathy Penner
Administrative Assistant

The insider

Registrant profile

Simon Gabriel, C.E.T.



Simon's key responsibilities as a structural engineering technologist include assisting in structural design and drafting of residential, commercial, industrial and agricultural buildings. He also does site visit review of existing buildings and their conformity to codes, specifications, performance and project/design requirements.

All about Simon

Please tell us your employer's name, your title and provide a short job description.

I work at Steckley Consulting Engineers Inc as a Structural Engineering Technologist. I mainly do structural design and drafting, but I also get to go on site visits every now and then. The projects I get to work on vary from residential buildings to commercial and industrial buildings but can also be projects that are not related to buildings.

Where were you born? Where did you grow up?

I was born in Germany. We moved to Canada in 2005, where I went to school and grew up.

What program of study did you take? And where?

I took the Structural Engineering Technology program at RRC Polytech in Winnipeg, at the Notre Dame Campus.

What were your interests in high school?

In high school I enjoyed playing sports, doing math and reading books.

Do you have a person/mentor in your life that influenced your education and career choices?

My dad supported me in my education and career choices.

What are your main job responsibilities?

My job responsibilities include structural design and drafting on various projects. Sometimes, I also go onsite where I manage the inspection and create a site report after.

The software I use for drafting is mainly AutoCAD. For design we use Woodworks, an engineering software for wood design a lot. We also do steel shop drawings, where we use Advance Steel 3D software to model the structure and create the construction drawings.

In general, a lot of critical thinking and problem solving are involved in my job, and there is always a new challenge.

How do you like to spend your time outside of work?

I like to spend my time outside of work with my wife and my little son, who is a couple months old.



Simon Gabriel, C.E.T. has been a CTTAM registrant since 2022.

How do you like to start your day?

I like to start my day with a morning devotion, where I ask God to help me throughout the day at work and wherever I am.

How do you like to end your day?

I like to end my day with my family and also with a devotion to thank God for his help and grace.

What's one thing you're learning now or leaned recently?

I have been working on a project where we have used Advance Steel software to model the structure and create shop drawings. I am learning more about this software and how to create efficient shop drawings for my work and their clients.





STECKLEY Consulting Engineers Inc.

Located in Winkler, Manitoba, just 1.5 hours outside of Winnipeg, this company specializes in structural design and engineering.

STECKLEY Consulting Engineers Inc. was founded in 1989 to supply engineering services to customers in southern Manitoba. This central location enables them to effectively serve their clients by utilizing creative and collaborative approaches while keeping current with industry trends and innovations. The firm brings 35 years of experience in structural engineering related design. The company was formed because of the observed growth in the region and the associated need for provision of these services from within the area.

Some of the their structural services include:

- Structural building design, including wood, steel and concrete construction;
- Floor plan design built to Manitoba building code;
- Part 3 Code analysis, including building layout, exiting, washrooms, etc.;



- Complete architectural assistance;
- MECB energy code analysis;
- Contacts for sound engineering services;
- Steel shop drawings;
- Structural design using wood, steel, or concrete construction;
- Residential house plans;
- Full drafting services for all projects and
- Assistance throughout design, tender and construction processes.

Some of their civil/municipal services include:

- Site grading and servicing plans;
- Subdivision design;
- Drainage studies and plans;
- Surveying — topographic and layout;
- Contacts for legal surveys;
- Utilities and road design;
- Installation certification and
- Full drafting services.

More information on STECKLEY Consulting Engineers Inc. can be found on their [website](#).



Investing in their futures

Helping students realize their full potential

Endowment donations have helped the RRC Polytech grow into a robust and agile training institution.

Endowments help technology students at the college to not only successfully graduate but also to become valued working professionals in the applied sciences industries within Manitoba.

Donations welcomed

CTTAM graciously accepts donations to this endowment fund on our registrants behalf. Our donors will receive a tax receipt directly from RRC Polytech.

How the fund works

RRC endowments are gifts of cash where the college invests the entire donation. Only the interest is used to fund initiatives for the purpose established at the time the fund was initiated. You can add to the endowment fund at any time.

- Transform learning and research spaces;
- Enhance a student's experience;
- Advance Indigenous achievements and
- Support a specific program area.

It's easy to contribute

You retain the power to change your bequest at any time as your plans or financial circumstances change.

For more information, please contact Robert Okabe, CTTAM's CEO and Registrar, at 204-784-1080.

Information on established endowments and details on how to donate, can also be found on the RRC Polytech [website](#).

The generosity of our registrants inspires us every day. Thank you for your significant contributions.

Endowments are the perfect vehicle to fund a scholarship, a bursary or an award. Your gift can:





Annual President's meeting

Recognizing meaningful contributions to our organization

Our association recently met to honour the achievements our registrants have made to CTTAM and our profession.

Our Presidents and Awards Dinner was held on Friday, September 20, 2024, at the Norwood Hotel. The event was held to celebrate our registrants' contributions to the association and their profession.

It was great to have several past presidents supporting the award recipients at this event.

Presidents in attendance were:

Andrew Procca, C.E.T.

George Graham, C.E.T.

Kellie Orr, C.E.T.

Paul Hur, C.E.T.

Ted Protosavage, C.E.T.

Wilhelm (Will) Miller, C.E.T.

Dave Little, C.E.T.

James Beattie, C.E.T.

Larry Drebniski, C.E.T.

Robert Okabe, C.E.T.

Tracey Kucheravy, C.E.T.

William Pratt, C.E.T.

"This gathering formerly recognizes and highlights the dedicated people who have made significant contributions to our association," commented CTTAM President, Shannon Nordal.

"On a personal note, CTTAM has helped open doors for me to make life-long friendships. It has also made me a more diverse and accomplished person and professional," says Shannon.

CTTAM currently has 21 life members. Every year at our annual general meeting we acknowledge our long-term registrants. We also list these registrants in our newsletter.



Below are details on our registrants and Board of Directors' volunteers who were honoured at this event. Congratulations to all of our award recipients.



Life Member Award — George Graham, C.E.T.

- Registrant since October 31, 1974
- Board Director, 2003-06
- President, 2007-08



Life Member Award — Ken Mills, C.E.T.

- Registrant since November 27, 1980
- Panel of Examiners member, 2014-18
- Certification Board member since 2019
- Technology Accreditation Canada Director since 2021



Outstanding Technical Achievement Award — Shari Bielert, C.E.T.

- Registrant since May 30, 1997
- Civil Engineering Technology instructor at RRC Polytech, 2000-15
- Chair of Civil Engineering Technology at RRC Polytech, 2015-24
- Founding member of the Manitoba Chapter, Canada Green Building Council



President's Volunteer Award — Michelle Ewashko

- Board Intern since 2022
- Leadership & Development Committee Member since 2019



Honorary Member Award — Harvey Kaita

- Board Layperson, 2018-24



Editor's note: Additional President's Awards event photos can be viewed on page 13.

President's Awards photos

We held our President's Awards event on September 21. Below are photos highlighting the award winners.



From left to right: **George Graham, C.E.T.**; **Past President - Josee Remillard, C.E.T.** and **President - Shannon Nordal, C.E.T.**



From left to right: **President - Shannon Nordal, C.E.T.**; **Ken Mills, C.E.T.** and **Past President - Josee Remillard, C.E.T.**



Thank you to our President's Awards emcee, Jody Morgan.



From left to right: **Past President - Josee Remillard, C.E.T.**; **Michelle Ewashko, Board Intern** and **President - Shannon Nordal, C.E.T.**



From left to right: **President - Shannon Nordal, C.E.T.**; **Shari Bielert, C.E.T.** and **Past President - Josee Remillard, C.E.T.**



From left to right: **President - Shannon Nordal, C.E.T.** presenting **Past President, Josee Remillard, C.E.T.** with award acknowledging her time as CTTAM President.

BUILD YOUR

BENEFIT PLAN BLUEPRINT

PLAN OPTIONS TO SUIT YOUR LIFESTYLE!

Extended Health Care and Dental plan options, so you can choose the coverage that is best for you!

EMERGENCY TRAVEL INSURANCE COVERAGE

Does **not** include stability clauses or a termination age!

TRIP CANCELLATION & INTERRUPTION INSURANCE

Available as an add-on to select plans.

Whether you are still employed, retired, or semi-retired, as long as you are eligible to join ARTA, you already qualify for coverage.

Visit

artabenefits.net



to learn more and enrol in the plan that is best for your lifestyle.

Your peace of mind matters.
Choose an **ARTA Benefit Plan**
to dream big and worry less.

Students compete in local wind power event

RRC Polytech hosted the event on October 30

High school students designed, built and tested the electrical output of their wind turbines with judges selecting the winning submissions.

Driven by high school students the 16th Annual Model Wind Turbine Competition was held on October 30, at RRC Polytech's Notre Dame Campus.



Grade nine and ten students participated in the one-day competition. Given a specific set of materials to work with, approximately 48 students used their skills and ingenuity to design and construct a working wind turbine model. This year's event was a success because of our many volunteers and the support of Lori Royal from Skills Canada (Manitoba) for arranging the fun filled day.

Amazing volunteers

The annual wind turbine event held at RRC Polytech could not happen without the help of Skills Manitoba, CTTAM and RRC Polytech.

Skills Canada (Manitoba) is a not-for-profit charitable organization that increases awareness of the rewarding careers available in skilled trades and technologies. Skills Manitoba contacts and invites Grades 9 and 10 students from Winnipeg and surrounding municipalities to participate in the model wind turbine competition. They coordinate team registrations, book the venue, arrange for a motivational speaker, provides lunch as well as donate some supplies.

RRC Polytech provides the venue and instructors who assist with the testing sessions and compile the technical results to determine the winners.

CTTAM is responsible for providing materials to build the model wind turbines, such as:

- Balsa wood for the blades;
- High-speed, 6V-12V power, large torque mini 36mm carbon brush motors;
- Wooden hub for blade attachments;
- Miscellaneous materials such as scissors, masking tape, rulers, retractor/math sets, glue, construction paper, bases;
- Heat lamps and
- A large fan to act as the "wind"

Sourcing some of the materials is getting challenging due to limited companies stocking these items as well as increasing material costs.

CTTAM certified registrants volunteer as mentors and technical advisors for the event and CTTAM staff assist with event setup/takedown and the purchasing of materials. CTTAM also sponsors the lunch and refreshments for the attendees and volunteers.



Competition background

How it works

Teams of four students from the same school design and construct a working model wind turbine. The students are given specific materials to construct the wind turbine and have approximately two hours of building time.

The model wind turbine needs to be solidly constructed and able to generate electrical power, which will be measured.

Wind simulation is created by a fan situated at a measured distance from the wind turbine being tested. Model wind turbines are judged in three categories:

- Design;
- Construction and
- Voltage-generating capacity

Each wind turbine design and construction is reviewed by a panel of expert judges. Turbine voltage-generating capacity is measured electronically and competitively in a progressive play down. Trophies are awarded, one for each set category.

(Courtesy of Skills Manitoba website.)

Category winners

Highest Voltage Award (Sponsored by RRC Polytech)

The Wolfe Pack — General Wolfe School



Best Design Award (Sponsored by Skills Manitoba)

JJKD — Sisler High School



Best Construction Award (Sponsored by CTTAM)

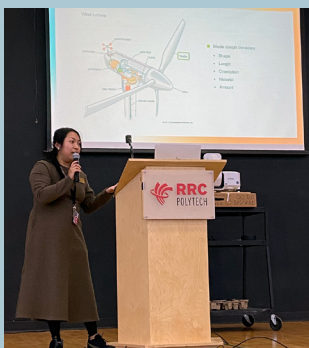
Wild Spartans — Sisler High School



Continued on page 16.



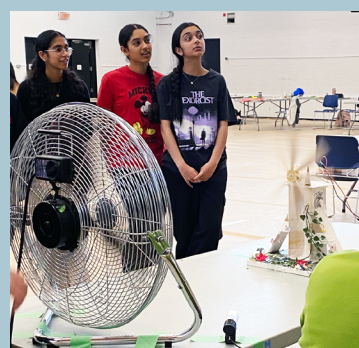
Model wind turbine competition (continued)



Stephany Thach
RRC Polytech Work Integrated Learning
(Co-op) Coordinator.



From left to right: CTTAM volunteers, **Kurt Jakob, C.E.T.** and
Larry Drebniski, C.E.T.



Wind turbine in action. Note the
earth-friendly design which included
bees.



From left to right: **Kurt Jakob, CTTAM**; **Vern Nelson,**
RRC Polytech; **Evan Himmelstein,** Chair of Electrical
Engineering Technology at RRC Polytech.



Annual General Meeting

Thank you to all who attended



On September 21, we gathered at the Canadian Museum of Human Rights for our 2024 AGM. The museum anchors the historic Forks meeting place. The Forks, located at the junction of the Red and Assiniboine rivers, has been a meeting place for over 6,000 years. Indigenous peoples traded at The Forks, followed by European fur traders, Scottish settlers, railway pioneers and tens of thousands of immigrants.

Holding our AGM at the Canadian Museum of Human Rights meant our attendees were able to take a guided tour of the museum before the start of our meeting. Many tour participants said it was their first time at the landmark built to celebrate human rights.

CEO and Registrar, Bob Okabe, C.E.T., FEC (Hon.), IntET (Canada), opened the meeting by welcoming guests and shared our 2024 Year in Review, focused on our financial statements. We had an in-person component alongside an online viewing option. Joining the formal presentations was Josee Remillard, C.E.T., CTTAM President, who guided us through our organization's direction and committee reports.

Long-term registrants honoured

Special recognition was given to our long-term registrants. Those in attendance were presented with a pin acknowledging their lengthy commitment to CTTAM.

Registrants honoured were:

Bob Chochinov 50
Ryan Shust 50
Eric Penner 40

George Graham 50
William Zuk 50
Phelan Mar 35

Thank you



Long-term registrant awards

(Presented by Josee Remillard, C.E.T., CTTAM President and President-Elect, Shannon Nordal, C.E.T.)

50-years



Bob Chochinov, C.E.T.



George Graham, C.E.T.



Ryan Shust, C.E.T.



➡ Continued on page 18.



Annual General Meeting

Long-term registrant awards

(Presented by Josee Remillard, C.E.T., CTTAM President and President-Elect, Shannon Nordal, C.E.T.)

50-years



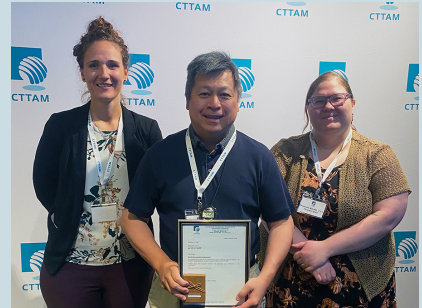
William Zuk, C.E.T.

40-years



Eric Penner, C.E.T.

35-years



Phelan Mar, C.E.T.



Editor's note

If you attended this year's AGM in-person or online remember to record it as a Continuing Professional Development activity. It counts as a CPD task!

Build your expertise

Complete a course, earn CPD credits



Ken Allen, Instructor
SNAP! Communications and Training

Join us to learn from experts in their fields of expertise.

Upcoming courses in January 2025

Ken, Allen from SNAP! Communications and Training offers two courses held over two days that focus on learning how to effectively supervise people. The training includes timely case studies and examples, combined with industry-best practices. The courses also feature several engagement opportunities designed to provide practical ways to apply your new knowledge in your daily work.

Basics of supervising people — Level 1

Instructor — Ken Allen, SNAP! Communications and Training

Thursday, January 30, 2025

8:30 a.m. to 3:30 p.m. (30 minutes for lunch)

Engineers Geoscientists Manitoba offices, 870 Pembina Highway
McKinley Boardroom, Main floor

\$200 — members

\$250 — non-members

Basics of supervising people — Level 2

Instructor — Ken Allen, SNAP! Communications and Training

Friday, January 31, 2025

8:30 a.m. to 3:30 p.m. (30 minutes for lunch)

Engineers Geoscientists Manitoba offices, 870 Pembina Highway
McKinley Boardroom, Main floor

\$200 — members

\$250 — non-members

Further details on the instructor and courses and course sign-up forms can be found on our [website](#). Book early as there are limited spaces available.

Our technology ring

The ring is a sign of your success



Wearing our ring showcases your commitment to your profession.

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

The maple leaf design was chosen to reflect our country and make it distinctly Canadian.

The gears on the ring represent the five members of an engineering team:

- Trades person
- Technicians
- Technologists
- Engineers
- Scientists

The overall design helps to quickly identify at a glance that it is a symbol

of Certified Engineering, of an Applied Science technician or of a technologist.

Affordable

The technology ring is available for registrants at a cost of \$110.

How to order

You will have to book an appointment for ring sizing and the pickup of any ring orders.

Keep in mind

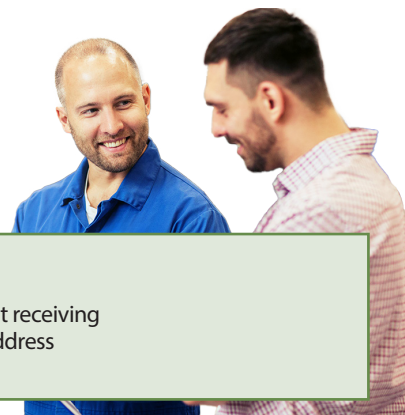
It may be worn according to your preference, but professional rings are

typically worn on your pinky finger. This is something to consider when it comes to selecting your ring size.

If you have questions or would like to purchase a ring please contact our Deputy Registrar, Lauren Gluck at 204-784-1081.

Keep in touch

Subscribe to **CTTAM news** to get posts on training, news and events sent directly to your inbox. If you are not receiving these emails, contact us at admin@cttam.com or call 204-784-1081. We will gladly help update your email address and/or your contact information on your registrant profile.



Our Board of Directors

Making decisions that improve our organization

Our Board provides guidance, advice and the general oversight of operations without being involved in day-to-day operations of our organization.

Board update

In July, David Atkins became our President Elect. Shannon Nordal is our new President with Josee Remillard ending her two years serving as our President.

David has been certified since 2015 and a Board Director since 2022. David is employed with the RM of East St. Paul as the Public Works Manager — Operations Department.



Representatives

President
Shannon Nordal, C.E.T.
president@cttam.com

President Elect
David Atkins, C.E.T.

Past President
Josee Remillard, C.E.T.

Board Intern
Michelle Ewashko

Directors

Aylen Aussant, C.E.T.
Mariclaire Lawlor, C.E.T.
Bernardo Pasco, C.E.T.
Julie Schneider, C.E.T.
Peter McDougall, C.E.T.



Board facts

- The Board meets five times a year;
- Our Board is diverse and our member's skills and expertise include structural, civil, electronics, electrical and environmental/geoscience;
- Some of our Directors also hold senior executive positions such as Chief Administrative Officer and Regional Manager and
- Our Presidents serve a two-year term. Directors can serve for two, three-year terms (total of six years) and continue on the Board as President if nominated.

CPD is learning that develops and maintains professional competence

Record your CPD now and you could win \$100

Certified registrants are required to complete and track just two Continuing Professional Development (CPD) activities per year. CPD is about developing your professional skills and keeping your talents and knowledge up to date. When you became CTTAM certified you agreed to fulfill this requirement as part of your registrant approval.

CPD also helps one to prepare for greater job responsibilities; boost your confidence; aids in creativity in tackling new challenges and can help take your career path further.

Bonus for finishing early

Complete it before the end of November and it could pay off in more than a few ways. Registrants who have submitted their CPD by December 11, can enter a draw to win one of five, \$100 gift cards. There has never been a better time to honour your CPD commitment!

How to enter

To enter the contest:

CPD pays off in so many ways

- First, track your CPD completion online in your *Registrant Profile* on our **website**.
- Second, send an email to our Registrant Services Coordinator, Marian Parreno at mparreno@cttam.com containing your name along with the date that you entered your CPD for 2024.

Your name will then be placed in the draw with five registrants each receiving a \$100 gift card.

Submit your CPD by December 11 and it could pay off in more than a few ways. Registrants who have entered their CPD by the deadline can enter a draw to win one of five, \$100 gift cards. There has never been a better time to honour your CPD commitment!

More CPD information is on page 21.



It only takes five minutes

Time to record your CPD

Deadline to oomplete your activities is December 31

Your continuing professional development (CPD) plan is important because it ensures that you remain skilled in your chosen trade or profession. Chances are you are already doing tasks that qualify such as reading a technical paper, attending our recent AGM video and training a co-worker.



Your CPD

If you are CTTAM certified, you need to take on Continuing Professional Development (CPD) tasks on a continual basis, made up of activities that enhance your skills and keep you current in your profession.

Only two activites needed

CPD isn't just taking courses and doing projects. It can be as simple as reading a work-related manual, watching a video or on-the-job training.

You are required to complete just **two activities** from the four types of professional development categories over a one-year

cycle to maintain your registration. CPD activity reports must be submitted online on our website, by logging into your *Member Profile*. It truly only takes five minutes to record your CPD.

More information such as the qualifying CPD acitivities, how to report and any questions you may have can be found in our *CPD guide* and *FAQs* on our website's [CPD page](#).

Categories and activities

Below are activities that qualify as CDP tasks. As a registrant of our organization you must complete two tasks from two different group activities to be CTTAM compliant.

Formal activities

- Seminars (more than four hours);
- Structured courses;
- Technical training and
- Technical education programs.

Examples: Employer provided courses and on-the-job technical training.

Informal activities

- Workshops (less than four hours);
- On-the-job training;
- Reading technical journals and
- Learning a technical application.

Examples: Reading a technical manual and our Manitoba Technologist newsletter

Peer and professional interaction participation

- Mentor or be mentored;
- Demonstrate a technical application to colleagues;

- Learn a technical application from colleagues and
- Be involved with your profession

Examples: Training co-workers and participating as an instructor in a webinar/seminar.

Contributions to the profession

- Present research;
- Volunteer in the workplace or community and
- Write technical articles and papers

Examples: Writing a technical report/paper; volunteer on a CTTAM committee and/or as a program auditor for TAC.

Tips

- Make sure you are using the right browser to login into our website to report your CPD — current versions of Chrome and/or Firefox browsers. **Internet Explorer will not work for reporting your CPD progress.**
- Review the main activity categories. You are probably already doing tasks that qualify for CPD credits.
- Other provincial engineering and applied science technology regulators require CPD reporting and will insist on CPD for inter-provincial mobility.
- All certified CTTAM members are required to report CPD. **December 31** is the reporting deadline date.

"Sometimes we get a call with a registrant unsure about submitting their CPD. I walk them through the process and in a 100% of the calls they quickly realize how easy it is to complete and submit their CPD entries without additional costs such as taking courses".

Deputy Registrar, Lauren Gluck



Take a 360° approach to protecting your loved ones.

Engineers Canada-sponsored Insurance Plans can help cover every angle.

There's more than one way to help protect your and your family's health and finances with Engineers Canada-sponsored Insurance Plans.

Take advantage of exclusive features, innovative benefits and some of the **best rates in the industry.**

Plus, if you're a first-time Term Life Insurance applicant, you can get **\$50,000 of additional coverage at no extra cost** for up to two years.*

\$2,780 is the average out-of-pocket health and dental cost per year.¹

Health & Dental Insurance can help.

\$281,880 is what it costs to raise a child to 18 in Canada.²
Term Life Insurance can help.

1 in 3 Canadians

will be out of work due to a disability before age 65.³

Disability Income Protection can help.

2 in 5 Canadians

will develop cancer in their lifetime.⁴

Critical Illness Insurance can help.**

 **Disability Income Protection**

 **Term Life Insurance**

 **Health & Dental Insurance**

 **Critical Illness Insurance**



Visit [Manulife.ca/MT](https://www.manulife.ca/MT) or call 1 877 598-2273

¹ Statistics Canada, "Survey of Household Spending in Canada," 2022.

² [ctvnews.ca](https://www.ctvnews.ca), "How much money does it take to raise a child in Canada?" July 2022.

³ [clhia.ca](https://www.clhia.ca), "A guide to disability insurance," 2021.

⁴ Canadian Cancer Society, "Cancer Statistics at a Glance," 2023.

* For complete details, see [manulife.ca/newmember](https://www.manulife.ca/newmember).

** Limitations and exclusions apply.

Individual circumstances may vary. You may wish to contact one of Manulife's Licensed Insurance Advisors or your licensed insurance agent if you need advice about your insurance needs. Conditions, limitations and exclusions apply. See policy for details.

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