

THE MANITOBA TECHNOLOGIST

Certified Technicians and Technologists Association of Manitoba



17 newly certified registrants

Welcome and congratulations!

Ashley Milin, C.E.T.

Registrant profile
Page 8

Tanya Hansen Pratt, C.E.T.

Registrant profile
Page 14

MADD Canada

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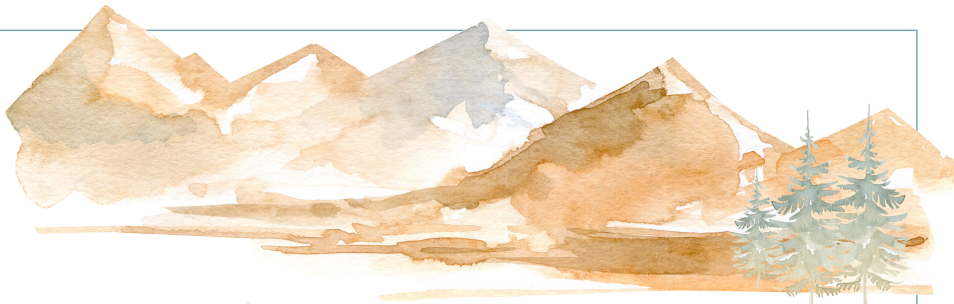
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A time to celebrate

Cheers. I'm always in awe when I meet our registrants, volunteers and students who are so passionate about their work, their causes and their learning. They consistently inspire me to be the best leader possible.

Next year we are celebrating 60 years as Manitoba's registrant for certifying professionals.

Please join us we plan the best year possible.

This is a perfect time of year to take a step back and reflect. I want to thank the membership for the ongoing commitment you bring, for your support of each other and for everything you do to push the industry forward. As professionals we are catalysts for positive change and continue to elevate the profession by creating meaningful transformations in our communities.

As this year comes to a close, I am excited for the initiatives, partnerships and growth that are on the horizon for CTTAM. Stay tuned for opportunities to participate in activities like site tours and



learn how CTTAM is engaging with post-secondary education. 2025 holds great potential and I believe that by staying connected, collaborative, and forward-thinking we can continue to be impactful in the year to come.

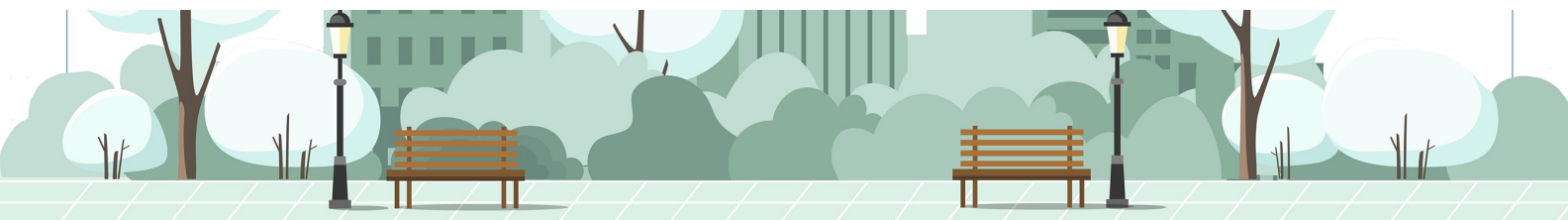
On behalf of our Board, I hope that you find an opportunity over the season to relax, reconnect, and spend time with loved ones in a way that's special for you.

Have a safe and happy holiday season,

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.



Reflecting and moving forward: A year in review

Looking back

As the year draws to a close and we turn the page on our calendars, it's natural to reflect on the milestones we've reached and set the tone for what lies ahead. The upcoming year, 2025, marks a particularly special occasion as we celebrate 60 years as Manitoba's sole regulator for engineering and applied science technologists and technicians.



Acknowledging our foundation

Reflecting on this year's achievements, we owe our success to the collective efforts of our registrants, Board of Directors, committee members, volunteers and dedicated staff.

Their contributions form the strong foundation upon which our association continues to thrive.

I deeply value their time, input, and commitment to delivering exceptional value and services to our registrants.

Celebrating 60 years

2025 marks six decades since our inception as a non-profit association tasked with certifying and regulating engineering and applied science technologists and technicians in Manitoba.



Our mandate includes governing the use of titles like Certified Engineering Technologist (C.E.T.) and Certified Engineering Technician (C. Tech.).

To celebrate this diamond jubilee, we're planning a series of events and activities throughout the year. Stay connected through our website, social media platforms, and this newsletter for updates and opportunities to join the festivities.

Important reminders

Registration renewals: The deadline to renew your registration and pay your 2025 dues is December 31.

Professional development: Ensure your continuing professional development (CPD) commitments are recorded by the same date.

Logging your CPD activities takes just a few minutes through your registrant profile.

Most of you have likely already completed two of the four required categories — make it official by recording your progress today!

Leadership transitions

This year, we bid farewell to outgoing President Josee Remillard and welcomed Shannon Nordal as our new President for a two-year term.

Leadership changes bring fresh perspectives, and we're excited about the opportunities ahead under Shannon's guidance.

On a personal note, 2025 also marks my 10th year as CEO and Registrar. Serving this organization and its registrants remains an honor as we continually set our sights on the future.

Season's greetings

From all of us at CTTAM, we wish you a joyful season filled with a touch of magic, however you choose to celebrate.



Let's make 2025 a year to remember!



Robert

Robert Okabe
CTTAM CEO and Registrar



CERTIFIED

Congratulations
to our newly
certified
registrants.
Welcome!

CTTAM update

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.

Our newly certified registrants

Technologists

Andrew Formela , C.E.T.	Rivacore Construction Surveys	Hooman Taban , C.E.T.	
Bradley Klassen , C.E.T.	Jilmark Construction Ltd.	Johannes Voth , C.E.T.	
Brayden Wilkinson , C.E.T.	FWS Group of Companies	July Valdez , C.E.T.	
Bryce Abuda , C.E.T.	KGS Group	Manuel Tobar , C.E.T.	
Cheryl Baraniuk , C.E.T.	Bird Construction	Noemie Paquet , C.E.T.	
Christian Mahe , C.E.T.	City of Winnipeg	Payton Bergman , C.E.T.	
Gabriel Dumangan , C.E.T.	Kiras Engineering Ltd.	Sheng Lyu , C.E.T.	
Hardik Jivanbhai Lakhani , C.E.T.	Shared Health	Yogesh Yogesh , C.E.T.	
			Triple E RV
			Bausch Health Inc.
			Bausch Health Inc.
			Project Architecture
			Randall Homes
			New Flyer Industries

Technicians

Jacob Parker , C. Tech.	Integrated Power Services
--------------------------------	---------------------------



Lead, not manage

Our Board of Directors

Happy holidays

from the Board of Directors

The Board of Directors supports engineering technologists and technicians for the important roles they play in engineering technology and applied sciences. Our executives also provide guidance, advice and general oversight of operations without being involved in day-to-day management.

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.



Did you know?

- 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;
- 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;
- Registrants can also have their names stand for board nominations and serve on any of our committees and
- Our directors commit to ongoing learning and development. This ensures that their knowledge is up to date with modern governance requirements.

Pay your dues and fees with an e-transfer

It's convenient and helps lowers our costs



We recently added e-transfer as a payment option.

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.

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.

E-transfers for dues payments should be sent to our admin@cttam.com email address. When possible, please add your name to your e-transfer *Message* field.

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

Contact us

If you have any questions or require assistance, please contact our staff:

Marian Parreno, 204-784-1083;
Lauren Gluck, 204-784-1081 or
Cathy Penner, 204-784-1082

Our technology ring *Makes a great gift*

Wearing the ring is a sign of your success and 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



Recognizable

The overall design helps to quickly identify at a glance that it is a symbol of Certified Engineering and 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.

The Manitoba Technologist

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 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.

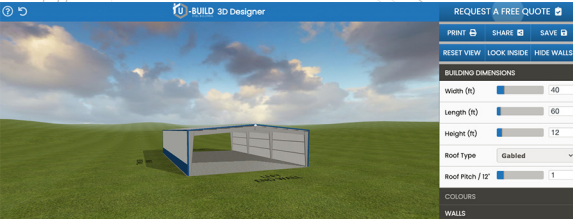
Ashley Milin, C.E.T.

Registrant since 2013

Ashley works at U-Build Steel Buildings which is located in Winkler, Manitoba. As part of the WGI Westman Group Inc., their different companies employ more than 2,200+ skilled workers at 78 different locations across North America.

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

I work at U-Build Steel Buildings (a division of Behlen Industries LP) as a structural steel detailer in Winkler. My responsibilities include creating 3D modeling of steel buildings,



preparing shop drawings for fabrication and issuing construction drawings.

Where were you born? Where did you grow up?

I was born and raised in Brandon. In 2012, I moved to the town of Manitou which is close to Winkler.

What program of study did you take? And where?

I took my first year of Civil Engineering Technology in Brandon at Assiniboine Community College. I then moved to Winnipeg to complete my diploma in Architectural/Engineering Technology at RRC Polytech in 2011.



What were your interests in high school?

In high school I enjoyed science, math and drafting.

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

My dad had a significant influence on me choosing the Civil Engineering Technology career choice.

What are your main job responsibilities?

As a structural steel detailer, I use Autodesk Advance Steel software to design and populate shop drawings for our production plant.

I also generate packing lists for shipping and issue construction drawings to send to our clients.

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

Outside of working hours, I spend my time in the summer golfing and tending to our four-acre property and curling in the winter.

My partner and I travel around Western Canada several times a year, which we really enjoy.

I also volunteer with Technology Accreditation Canada (TAC) as an auditor and contest judge. *(Editor's note: Thank you Ashley! Volunteering at TAC provides a unique opportunity to share your industry experience and utilize your analytical techniques to assess whether an engineering technology or applied science program meets the standards of the profession. It is also a great way to complete a CPD activity.)*

How do you like to start your day?

I like to prepare for the day by listening to podcasts on my drive into the office.

In quotes

"As a structural steel detailer, I enjoy focusing on the fine details and working with 3D building software.

Being a CTTAM registrant has provided several exciting opportunities including working alongside TAC in the accreditation process as an auditor and expanding my learning with the various webinars and networking events."



How do you like to end your day?

I like to wind down my day with a good skin care routine.

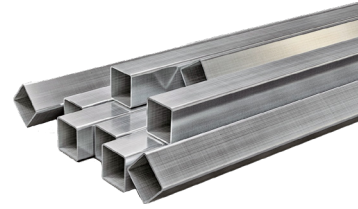
What's one thing you're learning now or learned recently?

A lot of my current learning has been internal. I am learning to take things slower and go with the flow (even though I'd still like a schedule).



Industry connections

Registrant Ashley Milin, C.E.T.'s employer feature



U-Build Steel Buildings

Located in Winkler, Manitoba, U-Build Steel Buildings is part of the part of the WGI Westman Group Inc., one of Canada's largest manufacturers of steel products.

Company history

The company opened in 1968 when Jake and Ron Neufeld, father and son, established Nusteel Industries Ltd. in Winkler, Manitoba, a pre-engineered steel building manufacturer.

In October of 2016, WGI Westman Group Inc. (WGI) acquired Nusteel. Nusteel was rebranded as U-Build Steel Building in January of 2017, becoming a division of BEHLEN Industries LP under the WGI umbrella.



They have over 55 years of experience in the pre-engineered steel building manufacturing industry. They support industries across North America by providing the best building solution for small, medium and large steel buildings. They provide quick quotes, fast

deliveries and outstanding customer support for clients who are looking to build, upgrade or expand their operations.

Who they are

The WGI Group of Companies includes Armtec, Artspan Inc., BEHLEN Industries LP, Convey-All, Meridian Manufacturing, Scotia Metal Products, U-Build Steel Buildings and Westman Steel.



What you can expect from U-Build Steel Buildings:

HONESTY

Their customers trust U-Build for their expertise and their honesty. U-Build is committed to helping their clients having their project finished the way they intended.

QUALITY

U-Build understands how important a strong foundation is to your success. They guarantee that their team will give projects the close attention needed.

MADE FOR YOU

U-Build structures are designed based on their clients' requirements — customization and versatility is what sets them apart. Whatever your needs may be, from aircraft hangars to personal workshops, U-Build will always be able to match you with the building you need.

RESULTS

Without their customers, U-Build could not operate. That's why they deliver on their promises.

What they do

U-Build Steel Buildings are made-to-order. Each building is designed and engineered for specific location codes. Their buildings can be customized to suit any needs when it comes to cranes, building dimensions, or building openings (for example, overhead doors, windows and man doors.)



After the buildings have been approved by their engineering department, they are prefabricated in their manufacturing plant and shipped to the building destination as a set, where the erector puts the building together.

To find out more about U-Build Steel Buildings please visit their [website](#).

Our strategic partners

Building on our industry connections



Having strategic partnerships with like-minded organizations, 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.



Manitoba



Inspections and
Technical Services

See page 13 for article
on this partner's name change.

RRC Polytech endowments — a way to give

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.

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

- 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.



Red River College Polytechnic (RRC Polytech) is Manitoba's largest institute of applied learning and research, with more than 200 full- and part-time degree, diploma and certificate options. Through hands-on and online learning opportunities and state-of-the-art instruction, we prepare our students to become leaders in their fields — while also ensuring they can meet changing industry demands, and contribute to the province's economic growth.

Deadline fast approaching

Your registrant annual dues payment date is December 31

It's time to pay your annual dues if you haven't paid them already. Your dues invoice was posted to your online account in November. You can pay online in your *registrant profile* by credit card or you can send an e-transfer to admin@cttam.com. Pay before the end of the year to avoid any late fees or having your certification revoked.

Certified registrant dues payment time line

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



Subscribe and 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 member profile.



Courses offered, earn CPD credits

Sharpen your skills and complete a continuing development task

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

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)

Norwood Hotel, 112 Marion St., Winnipeg

\$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)

Norwood Hotel, 112 Marion St., Winnipeg

\$200 — members

\$250 — non-members

Course instructor, Ken Allen

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.



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.

Upcoming training opportunities

Check out the Winnipeg Construction Association's courses

The Winnipeg Construction Association (WCA) serves its members in four major ways:

- Construction information services;
- Education;
- Networking and
- Advocacy.

WCA offers unmatched construction education services. With over 80 sessions offered throughout the year, there's something in their education

program for everyone from business owners to crew members.

WCA members receive priority access as well as member pricing on every session they offer. [Click here](#) to see their list of upcoming courses. Their educational programs can help you grow your knowledge, your skills and your business.

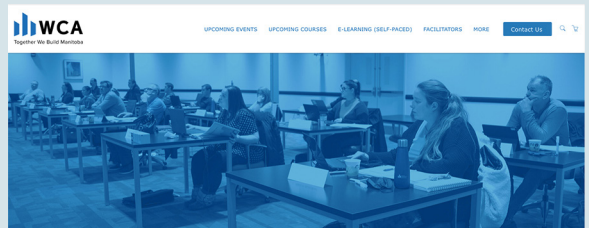
Have questions

Don't see what you're looking for? For course information, please contact Peggy Zurkan at peggy@winnipegconstruction.ca or 204-775-8664 ext. 2248.



The Winnipeg Construction Association is an incorporated, not-for-profit trade association representing commercial contractors and suppliers throughout Manitoba.

To find out more about this association and to review their courses, please visit their [website](#).



Upcoming Courses/Events

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.

Held November 25 to 29

TPC holds inaugural student technology competition

National Engineering and Applied Science Technology (NEAT) week celebrated

This competition was established by Technology Professionals Canada (TPC) to demonstrate and celebrate the knowledge and skills students have gained in their academic program and how they can apply them to real-world problems and issues.

Winners announced

At the heart of NEAT Week was a National Capstone Project Competition. It offered a forum for students, either individually or in teams, to showcase all their learning and experience over the course of three years of study in an engineering or applied science technology program at a Canadian college or polytechnic institute. Judging criteria

ranged from creativity and innovation through to community leadership and the

importance to society. Two finalists, the winner and the runner up were selected by an online audience vote.

• Winners

Hydrothermal Carbonization (HTC) of Plastic Waste
By **Vikram Pandey** and **Hughroy Staple**
Sheridan College, Institute of Technology

• Runner-up

Calibration Gas Router: An App-Controlled Gas Detector Calibration Tool
By **Adrianne Andal**
The Northern Alberta Institute of Technology

The finals had a pre-registration of over 300 including industry professionals and students in technology and applied science fields. Congratulations to all the participants and the winners.



Spotlight on students

These talented finalists represent the best and brightest across our country, pursuing a rewarding college education and future careers in various engineering and applied science disciplines. We are all inspired by their creativity and passion. Congratulations to all who participated and the finalists.

Strategic partner update

Inspection and Technical Services Manitoba



Formerly known as The Office of the Fire Commissioner

One of our strategic partners, The Office of the Fire Commissioner has changed their name to Inspection and Technical Services Manitoba.

What they do

Inspection and Technical Services (ITS) delivers technical safety programs to municipalities and industry by enforcing safety standards through permit, engineering reviews, inspection examination, certification and licensing services.

Their mission

Advance sustainable, safe and accountable communities for Manitobans.

Their vision

Recognized as a leading technical safety authority.

Their values

- Focus on the needs of their clients;
- Promote engagement and collaboration;
- Foster innovation, creative problem solving and achieving excellent through continuous improvement;

- Respect and honour diversity and inclusion;
- Support capacity building skill development;
- Professionalism and mutual trust among staff and
- Embrace transparency and accountability.

ITS administers and enforces provisions of the following legislation and related regulations:

- *Amusements Act and Elevator Act*;
- *The Buildings Act*;
- *Electrician's Licence Act*;
- *Gas and Oil Burner Act*;
- *Power Engineers Act and*
- *Steam and Pressure Plants Act*

For more information about their programs and services, please contact them at:

Inspection and Technical Services
508-401 York Avenue, Winnipeg, MB, R3C 0P8
1-204-945-3373
TechnicalServices@gov.mb.ca



Registrant profile

Tanya Hansen Pratt, C.E.T.



- Tanya has been a CTTAM registrant since 2004. Congratulations and happy 20-year anniversary!
- She is an instructor in Mechanical Engineering Technology at RRC Polytech



Tanya helps her students develop the theoretical and practical skills needed to design and produce high-quality manufactured goods in a variety of industries. The skills and techniques they learn can be applied immediately upon graduation and transferred across industries and organizations.

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

I'm an Instructor in Mechanical Engineering Technology at RRC Polytech. As an instructor, I deliver in-class instruction, write lessons, tests, and exams, work on course development, and most importantly, get to know my students.

Where were you born? Where did you grow up?

I was born in Winnipeg and grew up in Portage la Prairie. I left Portage right after high school for university and life kept me here. I met a Winnipeg boy, and we had some Winnipeg kiddos. This is home.

What program of study did you take? And where?

I graduated from Mechanical Engineering Technology (MET) at Red River College back before the Polytechnic days. It's a lot of fun to wander the halls as an instructor in the same place that I studied years ago. A lot has changed, but there's a lot of comfortable familiarity, too.

What were your interests in high school?

I was an Air Cadet as a teenager, and I absolutely loved aviation. Anything remotely related to aviation was interesting to me: math, physics, meteorology, navigation, air traffic control, all of it!

I had a strong aptitude for math and physics, and most of the adults in my life told me I should pursue an education

in engineering. I didn't really understand what that meant at the time. I didn't know anyone who was an engineer or technologist, and Google wasn't a thing yet. I knew that it involved a lot of math and physics, which sounded fun to me, so I applied to the Faculty of Engineering at the University of Manitoba. I attended U of M for two

years before



switching to RRC Polytech. The MET program gave me exposure to the hands-on approach that I really needed. I loved the small class sizes, the engaged instructors with real-world experience, and the two-year (at the time) program meant I could be working in industry faster.

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

My high school physics teacher, Mr. Meush, made science fun and accessible. He was calm, kind, and encouraging, and always treated me like I belonged in his classroom. He made me feel capable and fed my curiosity. I think of him often in my classroom, paraphrasing what he would sometimes say to us: "I'm not going to dull your light. Give it a try and see what happens!"

Because of that positive experience with physics in high school, I decided to listen to all the adults that were so adamant I should pursue engineering.

I don't recall how I learned about the MET program, but I'm so grateful I did!



What are your main job responsibilities?

In my past life in industry, I worked in HVAC which meant much of my day was spent doing heating or cooling calculations, drawing CAD models, troubleshooting field issues, or writing performance data and catalogue pages. This was all fantastic training to work as an instructor. My day-to-day is spent in the classroom, and one of the great things that our instructors do is share their industry experience. For example, I teach fluid mechanics and I can provide real world examples of why these heat transfer calculations are important. This typically leads to really rich conversations with students who are curious about what certain jobs entail. I don't think I ever spoke to a professor in university about what it would be like to work in industry, but it's very common with our students.

As instructors, we all must take Teaching for Learning (formerly known as a Certificate in Adult Education)

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Tanya Hansen Pratt, C.E.T., Registrant profile

training. This really opened my eyes to what students need to be successful, but also to different methods of delivering curriculum other than the traditional lecture style.

Lectures will always have a time and place, but I've learned some really accessible, fun ways to teach, especially with a math and physics heavy curriculum.

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

People have time outside of work?

I'm a mother to three busy teenagers, and I also have another job that

I do in my "spare time".

I serve as the National President for MADD Canada (Mothers Against Drunk Driving Canada).

I'm currently one year into my three-year term.

One day when I have spare time, I will spend more time reading, baking and hopefully going on adventures around the globe.

How do you like to start your day?

Monday to Friday, I start my day at 5:30 am with a bleary-eyed, grumpy stomp to the kitchen for a huge cup of coffee while muttering to my dog and cats. I'm not a morning person.

I typically leave for work at 6:30 am, and I read my daily news reports and emails on the bus.

Saturday and Sunday usually start the same way, but two hours later, followed by whatever insanity the universe has waiting for me: laundry, a TV interview, grading, groceries and public policy. Who knows. It's organized chaos!

How do you like to end your day?

Once I settle down for the day, I'm a big fan of reading and listening to podcasts. My favourite podcasts right now are

All There Is by Anderson Cooper, *Science Vs* by Spotify Studios, and *Twenty Thousand Hertz* by Dallas Taylor.

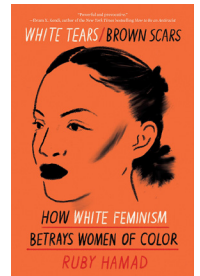
I'm currently reading *White tears/brown scars* by Ruby Hamad and *My grandmother asked me to tell you she's sorry* by Frederik Backman.

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

I recently took two levels of Siemens Mechatronics Systems training which has led me down a bit of an instrumentation rabbit hole. It's been helpful with course development and to help supplement my existing courses.

I'm also trying to learn how to say "no", because historically I've been bad at that.

Editor's note: Our next article highlights Tanya's work with MADD Canada. Thank you Tanya, for all the work you do towards educating Canadians on the dangers of driving under the influence of alcohol and/or drugs.



Mothers Against Drunk Driving Canada

Saving lives, supporting victims



CTTAM registrant, Tanya Hansen Pratt, C.E.T., is the National President for *Mothers Against Drunk Driving Canada* (MADD Canada). Every year, hundreds of Canadians are killed and tens of thousands are injured because people drive under the influence of alcohol and/or drugs. Tanya sadly has experienced the firsthand heartache and suffering due to losing her mom to an impaired driver.



Tanya at the 2023 launch of the MADD Canada Project Red Ribbon, an annual awareness campaign to promote sober driving during the holiday season. It is the busiest time of year on most social calendars and the risk for impaired driving is high.

On April 20, 1999, Beryl Hansen went out for her usual morning walk near Portage la Prairie, Manitoba. The 59-year-old had recently retired, and these 7 a.m. walks had become her new routine. But there would be nothing routine about that day. In fact, that day would change everything forever.

Beryl was struck and killed by a 19-year-old impaired driver who had been partying the night before. She was left in a water-filled ditch to die alone. When her daughter,

Tanya Hansen Pratt, received a phone call from her older brother saying, "Mom's dead", she couldn't comprehend the news. There was no way to make sense of it or explain why.

Tanya attended her first Board meeting with MADD Winnipeg Chapter one month later. She needed to do something to honour her mom, and to help spare others from suffering this kind of senseless loss. She served

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Mothers Against Drunk Driving Canada

in various volunteer roles, including Chapter President, between 1999 and 2005.

When Tanya had the first of her three children in 2005, she stepped back to focus on her family and “to figure out how to be a mom without my own mom”.

She returned as an active volunteer in 2018. Most recently, she has been the MADD Winnipeg Vice-President and is the facilitator of the Loss of Parent online support group.

Of her decision to apply to be MADD Canada's National President, Tanya says:

“I wanted to be the same source of support, strength, courage, and inspiration that past presidents have been to me. Being able to give back to an organization that has already done so much for me is an honour, and hopefully a fitting legacy for my Mom, who always taught me that to give was better than to receive.”

Tanya's passion for creating and nurturing innovative spaces that are inclusive and equitable is especially important within the context of her work with MADD Canada. As she says, “Anyone can be a victim or survivor of impaired driving, so it's very important that we are welcoming to all.”

As the National President of MADD Canada, Tanya is committed to building awareness and education, promoting

The impaired driving problem in Canada

2021 Federal charges and provincial short-term licence suspensions

- An average of **215** daily
- A total of **78,480** in 2021
- An average of **9** every hour
- **206** for every 100,000 Canadians

public policies to prevent and reduce impaired driving, collaborating with volunteers and supporters, and, most importantly, being a powerful and passionate champion for the victims and survivors.



From left to right: Honourable Matt Wiebe, Minister of Justice, Attorney General and Minister responsible for Manitoba Public Insurance and Tanya Hansen Pratt, MADD Canada, National President.

About MADD Canada

MADD Canada works to stop impaired driving and to support victims and survivors of this violent crime through comprehensive programs, resources and support in the following areas:

- Victim and survivor services;
- Youth services;
- Public awareness and education;
- Public policy and
- Anti-impaired driving technology

There are nearly 100 grassroots chapters operated by 7,500 volunteers across Canada.

MADD Canada offers a wide range of volunteer opportunities for people who want to make a difference. Visit madd.ca or contact your local chapter to get involved or to make a donation.

Most importantly, always drive sober and make sure your friends and family do, too.



More about MADD Canada

MADD Canada's mission is to stop impaired driving and to support victims of this violent crime. MADD Canada works to achieve its mission on a number of fronts:

- **Victim/survivor services** — Comprehensive program of support and resources for individuals who have lost a loved one or suffered a serious injury as a result of an impaired-driving crash;
- **Youth services** — Specialized programming for elementary, middle schools and high school students to educate them about the dangers of mixing alcohol and/or drugs with driving;
- **Public awareness and education** — Campaigns to reach out to the public about the dangers of impaired driving and how they can help improve safety on our roads, waterways and trails;
- **Public policy** — Promotion of legislative best practices in impaired driving countermeasures, at both the federal and provincial/territorial levels, to address the impaired driving problem in Canada and
- **Technology** — Partnering with international traffic safety organizations, automobile manufacturers and technology companies to explore technological solutions to stop impaired driving.



CPD helps you to continue to learn and develop

Time is winding down to record your CPD

Chances are you are already doing tasks that qualify such as reading a technical paper, attending our AGM and/or mentoring a co-worker.

Your CPD

If you are CTTAM certified, you need to undertake Continuing Professional Development (CPD) tasks on a continuing basis, made up of activities that enhance your skills.

It's so easy

CPD isn't just going to courses and doing projects. It can be as simple as reading a work-related manual, watching a video or on-the-job training. On January 1 of each calendar year, you can begin to build and record your CPD activities. Registrants are required to complete just **two activities** from the four types of professional development categories over a one-year cycle to maintain their membership. CPD activity reports must be submitted online on our website, by logging into your *Member Profile*.

CPD categories and activities

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

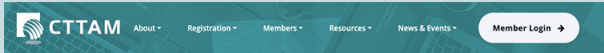
- Present research;
- Volunteer in the workplace or community and
- Write technical articles and papers

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

Reporting tips and information

- 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.
- Note: You must enter two or more CPD activities in order to correctly submit/save your CPD records. Just make sure you have two activities ready to report before you login. If you haven't reported two activities in two different categories and you try to submit your CPD, you will receive an error message.
- If you have any questions on your CPD, please contact our Deputy Registrar, Lauren Gluck, at lgluck@cttam.com.

CPD contest winners



It pays to complete CPD

Thank you to those registrants who submitted their names for our CPD contest. As of December 11, 2024, the CPD compliance level is at 46 per cent. Let's get that to 100 per cent before the end of the year!

A random draw was held. Congratulations to the following registrants who will each be receiving a \$100 gift card:

Jason Millar, C.E.T.
John Almar Daya, C.E.T.
Russell Crowe, C.E.T.

Rylee Ann Martin, C.E.T.
Salvador Juganas, C.E.T.

More information such as the qualifying CPD activities, how to report and any questions can be found in our *CPD guide* and *FAQs* on our website's **CPD page**.



**Certified Technicians and Technologists
Association of Manitoba**

HAPPY
Holidays

**Wishing you a holiday season filled with joy,
warmth, peace and good company.**

Thank you for your support.



Holiday office hours

**Please note that our office will be closed from noon
on Wednesday, December 24 to Wednesday, January 1, 2025.**

**Our team will be happy to help you when
we return after the break.**

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

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\$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).

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