

# THE MANITOBA TECHNOLOGIST



**26**  
new  
members

**Member profile —**  
Technical writer, Kurt Jakob, C.E.T.

**Celebrating our CEO & Registrar —**  
Recognizing his many contributions

**Sign-up now —**  
Annual golf tournament, June 23





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Cover photo: The St. Andrews Lock and Dam is in Lockport, Manitoba. The dam officially opened in 1910. It was built in the early 20th century so that boats could navigate from Lake Winnipeg to the City of Winnipeg.



# FROM OUR PRESIDENT

## *A time to grow*

Life can be sweet in May. Gone is those slushy, muddy, dirty snow days of April. Instead, barbecues, green foliage and spending time outside is more the norm.

It's enough to make you want to turn over a new leaf and review the directions one takes in both their personal and professional lives.

At work and at home I try to spend time with people who inspire me, provide support and help me build confidence in my own capabilities.

As I spend more time around positive and driven people whose core values I align with, I find the vision I have for myself becomes clearer.

In my role as President, I see so many positives within our industry, with our members whose passion and drive helps to keep our organization strong, along with the ongoing accomplishments within the technology profession across Canada.

Last month Robert Okabe and I witnessed this drive and inspiration first-hand when we attended the ACEC Manitoba Awards of Excellence event. Here we cheered on, and we celebrated the expertise within our trade.

I want to inspire our members to continue to reach for the biggest of goals. Surround yourself with those people that believe in you and push you forward. Inspiring people will help you reach some of those goals you have dreamed of you just have to be willing to accept the challenges they push you toward because they know you're ready.

*Josee*

Josee Remillard, C.E.T.  
CTTAM President



### **About Josee**

Josee has over 11 years of experience in the consulting industry and has been responsible for providing project management as well as internal project coordination on medium to large scale projects. She works at Crosier Kilgour & Partners Ltd. as a Structural Technologist. Josee has a diploma in Structural Engineering Technology from RRC Polytech.

Josee has been a member since 2015. She has been a Board Member since 2019 and is in her first year of a two-year term as our President.

## What's the buzz?

### A busy time of year for our organization

The snow has finally gone only to give way to numerous potholes. Thankfully the Manitoba flood forecast is low to moderate. Spring has arrived with a flurry of events beginning to take place.

Recently President Josee Remillard and I attended the ACEC Manitoba Awards of Excellence event held at the Royal Aviation Museum of Western Canada. President Remillard presented the *CTTAM Small Projects Award* to Tetra Tech Canada Inc. for their Esplanade Riel pedestrian bridge cable stay and pylon lighting upgrade project. Congratulations to Tetra Tech Canada Inc.

At the ACEC MB event I was honoured to receive the RRC Polytech's *Distinguished Graduate Award*, presented by the college's President, Fred Meier. As a RRC Polytech graduate, I am so grateful to have been selected for this prestigious award. I believe in the relationship between CTTAM and the college thus my strong commitment to promote RRC Polytech and careers in the applied science and engineering technology professions. I'm also proud to be recognized for my volunteering efforts on behalf of the engineering technology profession across Canada and internationally.

Thank you to Robert Chochinov who initially asked me to get involved with the accreditation of the Red River College civil engineering technology program in 1998. Later that year, former CTTAM Executive Director, Ken Campbell, approached me to join the CTTAM Board of Directors. This led to my 20-plus years of volunteering on behalf of our profession. There have been some many mentors who have encouraged me to reach outside of my comfort zone. These opportunities and experiences have led to my own ongoing professional development.

I encourage all CTTAM members to volunteer to enhance their own professional development. We are always looking for volunteers to sit on subcommittees and become accreditation auditors. Volunteering provides the opportunity to practice skills, learn new techniques and observe others who may be more adept in a specific role or opportunity.

President Remillard, President-Elect, Shannon Nordal and myself, will be attending the upcoming Technology Professionals Canada (TPC) and Technology Accreditation Canada (TAC) Annual General meetings which are celebrating three years since the reunification of the Nine Provincial Professional Associations which includes CTTAM.

Some of the national milestones include:

- TAC accreditation of 9 Red River College Polytechnic engineering technology programs;
- International Engineering Alliance signatory status transferred to TPC;
- Collaboration on the Engineering Technology Canada national gateway site for expediting technology professionals labour market integration and
- Revamping the Technology Registrations Canada registration site



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

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*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.*



# Welcome to our new members

Your membership matters

Being certified permits our members to use one of two titles, Certified Technician (C. Tech.) or Certified Engineering Technologist (C.E.T.). These designations are recognized by industry and employers and indicate that our members are part of a professional association. Certified members may also vote in our elections, hold office and participate on one of our many committees.

## Technicians

**Graham Denney**, C. Tech.  
**Joseph Encila**, C. Tech.

Alamos Gold Inc.  
Mammoth Equipment & Exhausts Inc.

**Jude Chijioke Nwajide**, C. Tech.  
**Kolade Adebola Kehinde**, C. Tech.  
**Noel Cimatú**, C. Tech.

The Royal Canadian Mint  
Canadian Kraft Paper  
Conviron

## Technologists

**Christopher Ribachuk**, C.E.T.  
**Daniel Penaranda**, C.E.T.  
**David Bruce Emberley**, C.E.T.  
**Eric Kopitz**, C.E.T.  
**Dayna McMillan**, C.E.T.  
**Fabian Kebernik**, C.E.T.  
**Fadi Al Sai**, C.E.T.

Dyregrov Robinson Inc.  
City of Winnipeg  
Precision ADM  
City of Brandon  
Matix Lumber  
DGH Engineering Ltd.  
Prairie Mobile Communications  
Russell Redi-Mix Concrete  
Centra Gas Manitoba  
Stantec Consulting Ltd.  
Manitoba Hydro  
Telecom

**Jincy Jose**, C.E.T.  
**Jonah Greenberg**, C.E.T.  
**Jonathan Caplan**, C.E.T.  
**Matthew Tunmer**, C.E.T.  
**Michael Sutton**, C.E.T.

Prairie Mountain Health  
KGS Group  
RRC Polytech  
Shermco Industries  
Defence Construction  
Canada  
Manitoba Hydro  
Orthopaedic  
Innovation Centre  
Manitoba Hydro  
WSP E&I Canada Limited

**Gage Kotelo**, C.E.T.  
**Jasdave Pannu**, C.E.T.  
**Jemal Ibrahim**, C.E.T.  
**Jeremy Paskaruk**, C.E.T.

**Moibi Amusa**, C.E.T.  
**Neil Fogg**, C.E.T.

**Stephen Kerr**, C.E.T.  
**Trevor Szyda**, C.E.T.  
**Umesh Kumar**, C.E.T.

Correction: Graham Denney's employer should have been posted as Alamos Gold. We apologize for our mistake.



# Remembering our members



**Rowell Raganas**, C.E.T. was a certified engineering technologist with CTTAM since September 28, 2011. He graduated with a Bachelor of Science in Electrical Engineering from the University of San Jose in the Philippines in 1989. He practiced in his field for 20 years in Saudi Arabia before moving to Winnipeg in June of 2011. Rowell was employed with B. A. Robinson Co. Ltd. as a Technical Support Specialist for the past 12 years.

Our sincere condolences to his family and friends.

**James Stewart**, C.Tech., passed away on February 6, 2023. James was a CTTAM Board Director from 2007-09 and served on our Nominating Committee. He retired from SMS Engineering in 2014 where he held the position of Senior Mechanical Designer and Project Manager. He worked on numerous healthcare and commercial projects. Notable tasks included those at the Richardson Centre, Canada Life, the Health Sciences Centre, the Critical Services Redevelopment at Anne Thomas Centre, the Central Energy Plant 2 and the new Women's Hospital. While he was known for his excellence in design and project management, James took tremendous pride in delivering excellent customer service to his clients and was honoured to receive the 2011 BOMA Manitoba Pinnacle Award for Outstanding Customer Services on behalf of SMS Engineering.



Our sincere condolences to his family and friends.

Participating in the RRC Polytech Café is a CPD activity



## RRC Polytech Café, powered by Ten Thousand Coffees

Mentors work as guides and advisors that can help others take their careers to the next level.

This online hub is an exclusive networking and mentoring platform that introduces you to alumni and students based on your specific career interests and goals. Volunteering also qualifies as a Continuing Professional Development credit.

Join the RRC Polytech Café, powered by Ten Thousand Coffees and develop essential skills by mentoring students. It also provides the opportunity to foster learning with experienced alumni from the RRC Polytech community. This online platform is free to use for college alumni.

Participate in this network to:

- Help shape the careers of students and young alumni by sharing your career advice and experience;
- Develop your networking and mentoring skills through real-world practice;
- Earn Continuing Professional Development credits and
- Build your network of RRC Polytech alumni and faculty based on your industry and interests.

### Setting up your virtual coffee chat

- You'll receive a monthly introduction to a student or fellow alumni based on your career interests and goals;
- Agree on a time and date to chat online to share your advice and experience;
- Receive an official LinkedIn certification to recognize your commitment to mentoring and networking and
- Once you join, all introductions are sent directly to your inbox, so you don't need to use another applications.

### How do you join?

You should first visit the online [RRC Polytech Café](#). Here you will find out more and can review the steps needed to join. The easiest and quickest way to gain access is to sign-up using your preferred email address.

Remember to use safe-networking practices in all interactions. There are several common-sense precautions listed on RRC Polytech's website that will help ensure a positive experience when you connect through Ten Thousand Coffees.



Mentors work as guides and advisors that can help others take their careers to the next level.



# Robert Okabe honoured with RRC Polytech's Distinguished Graduate Award

Robert recognized for his outstanding personal and professional achievements

The award honours graduates from the College who have distinguished themselves in both their chosen professions and in their involvement in the community. Robert Okabe graduated from RRC Polytech's Civil Engineering Technology program in 1983.

As CEO of the Certified Technicians and Technologists Association of Manitoba (CTTAM), Okabe leads an organization that certifies aspiring engineering and applied science technicians and technologists, while connecting them to important resources — and to each other.

It's a role he's been in since 2015, and one that keeps him close to his RRC Polytech roots.

"Most of our members are graduates of the College," said Okabe. "So I find it a really good experience for me to interact with future graduates or current students and hopefully, in some way, be able to mentor them and make it easier for them post-graduation."

### Generous support

Both Okabe and CTTAM have generously supported the College over the years. Okabe participates in all nine of the school's Engineering Technology Advisory Committees — which provide direction and curriculum support from those working on the ground — and in 2008, he established the Robert Okabe Achievement Award for Civil Engineering Technology.

His reasoning for the support is simple: he recognizes how important a helping hand can be in propelling students from the world of academia into a lifelong career. You can learn more about Okabe's career journey here.

### A well-deserved celebration

We're thrilled to have recognized Okabe's leadership in the fields of engineering and education, as well as his support of RRC Polytech students, at the Association of Consulting

Engineering Companies Manitoba chapter's annual Awards of Excellence, at a ceremony that took place on Thursday, April 20, 2023 at the Royal Aviation Museum of Western Canada.



From left to right, Robert Okabe and Fred Meien, RRC Polytech President and CEO.



## Distinguished Graduate Award

This award honours and recognizes RRC Polytech's finest graduates — those who have distinguished themselves through outstanding achievements in one or more of the following areas: humanitarianism, professional excellence, and community service.

Distinguished Graduate Award honourees must:

1. Be a graduate of RRC Polytech and
2. Have set an example through their outstanding achievements, bringing benefit and honour to the community, their profession or industry and RRC Polytech.



This story is from an article posted on RRC Polytech's website on April 12, 2023. The complete article can be found on their [website](#).



# Investing in the future

Your generosity helps technology students realize their full potential

The kindness of our members in setting-up endowments has truly benefited several students every year — these investments help equip graduates with the skills and education necessary to become leaders in their fields.

**In 2022, CTTAM donated \$14,000** to the Red River College Polytech endowment fund for technology scholarships.

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

CTTAM will graciously accept donations to the RRC Polytech endowment fund on our members behalf. Donors will receive a tax receipt directly from RRC Polytech.

### Endowment program details

Endowed gifts provide a way to have a lasting, long-term impact on the College and their students.

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

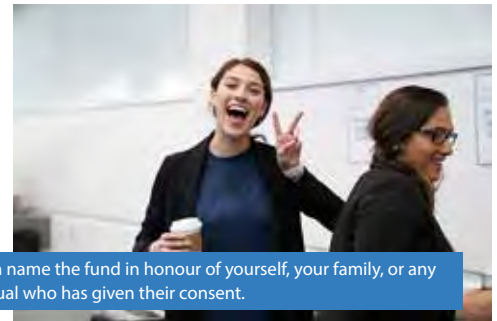
- Transform learning and research spaces;
- Enhance their student experience;
- Advance Indigenous achievement and
- Support a specific program area.

### The choice is yours!

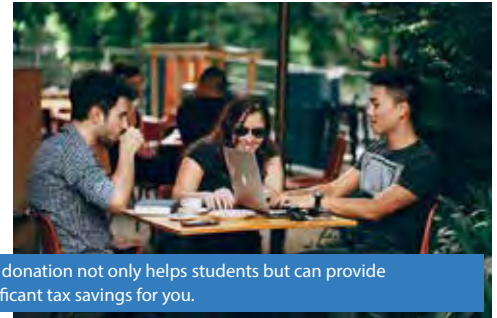
You retain the power to change your bequest at any time as your plans or financial circumstances change.

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

Also, more information on the College's endowment program can be found on their [website](#).



You can name the fund in honour of yourself, your family, or any individual who has given their consent.



Your donation not only helps students but can provide significant tax savings for you.



*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. More information can be found on their [website](#).*

## Member profile

# Kurt Jakob, C.E.T.

- Self-employed technical writer
- Creates manufacturers' manuals for Manitoba businesses

*Technical instructional publications are vital pieces of information for manufacturers. Technical documentation isn't just about capturing information. It's about presenting it in a way that's easy to read, usable, and actually helpful for your intended audience. Kurt writes proven documentation practices to produce industry-leading technical manuals for his clients.*



### **What is your job title and employer?**

I am self employed as a technical writer, providing owner's manuals for manufacturers here in the province.

### **Where were you born? Where did you grow up?**

I was born in Diessenhofen, Switzerland, a small town right at the German border.

I moved to Canada when I was 14 years old and lived near Dryden, Ontario until I was 18 at which point I moved to Winnipeg.

### **What program of study did you take? And where?**

I graduated from the Mechanical Design Technology Program, at RRC Polytech in Winnipeg.

I also have taken the Management of Technological Innovation course within the Technology Management program at RRC Polytech.

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

My first employer was then known as Versatile Manufacturing, a farm

machinery manufacturer. I was employed as a draftsman working within a team designing swathers for cutting crops.

### **What were your interests in high school?**

My main interests in high school were working on cars and repairing equipment.

### **How did you become a technical writer?**

The first part of my career was designing equipment. I always loved solving mechanical problems.

The second part of my career was writing owner's manuals and technical instructions.

I developed as a technical writer as in small companies the engineering department usually also creates the technical publications. I really enjoyed developing manuals and have built a successful, life-long career.

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

I didn't really have one person influence my career or educational paths.

I motivated myself and I am proud to be the first person in my family to attend and graduate from college.

Moving to Canada and learning a new language was challenging but I was determined to succeed.

### **What are your main job responsibilities?**

My focus is on writing effective owner's manuals. There are several set steps that I take in creating these documents.

Technical documentation helps an intended audience use a product, understand processes and help fix any issues with a product.

Whether an audience is consumers, administrators, colleagues or technicians it doesn't really matter.

What does matter is that it's clear, searchable and helpful for them.

In writing a manual I first analyze what is required and who will use it.

Secondly, I review the vendor supplied information to determine any components that need servicing.

Thirdly, I inspect the assembly line where the equipment is made. Critical processes are noted.

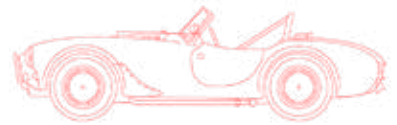
Then, I am ready to write a draft, discuss information with supervisors and factory workers.

Then, edit, edit and edit.

To find out more about writing technical manuals, please read my article, "Writing an Effective Owner's Manual" on page 11.



Kurt has been a member of CTTAM since March 1977.



# Writing an effective owner's manual

## How to use a preventative maintenance schedule

By Kurt Jakob, C.E.T.

*A well-managed preventive maintenance program works to reduce equipment failures, increase a product's reliability and extend its life span.*

### Owner's manual

Who loves reading an owner's manual when assembling a new barbeque? Not too many of us do. Two hours later, you are ready to use a big hammer. No wonder consumers shiver at the idea of using a poorly illustrated manual.

You already know that companies must provide proper owner's manuals to avoid costly lawsuits, to reduce having to provide customer support and to help promote their brand.



Today, owner's manuals need to include a well-designed preventative maintenance (PM) schedule. The schedule is formatted into a chart showing when the equipment must be serviced. The company's objective is to help reduce warranty costs which can be draining on a business' operating budget.

### Preventative maintenance schedule

A preventative maintenance (PM) schedule is critical in getting the maximum service life out of equipment.

For example, mining machinery operates in extremely abrasive conditions.

Bearings and shafts are constantly exposed to a slurry of water and silt, a highly toxic substance for moving parts. This condition can lead to premature bearing failure when preventative maintenance is neglected. Once a bearing has failed, the damage can progress to the drive shaft and the transmission.

Main assemblies/sections		Service codes	
General:	inspect, wash	Top drive motors	inspect, seals
Track assembly	measure, check wear limits, bushing wear	Breakout winch	inspect, motor pins
Chain & bushing	chain stretch	Breakout winch	inspect, & chain assembly
Chain stretch	leak water	Hydraulic circuit	inspect, seals, hoses, fittings
Track rollers	lock roller	Hydraulic pump	inspect, operating pressure, standby pressure
Idle wheel	idle wheel	Cylinders	inspect, seals, rods
Drive sprocket	inspect wear	Control valves	inspect, seals
Track tension	adjust, 1" (25 mm) sag	Manual fill pump	check, for proper operation
Drive train	inspect, seals		inspect, seals

Proper maintenance is about saving money by servicing the equipment at the recommended intervals. You heard the saying "Pay me now or pay me later".

Let's assume that you are the warranty person at your company and that you need to settle the warranty costs with an important customer. It seems that the customer didn't exactly follow the maintenance schedule. They are asking for a full warranty reimbursement for the product they purchased.

Your boss insists that it was the customer's fault and any issues are not covered by the warranty.

You are now in a tough place. You don't want to lose the customer and/or upset your boss. So, what can you do?

### Settling on a warranty payout

This is where a preventative maintenance comes into play. By using this schedule you can see how close a customer follows the recommended maintenance intervals.

A warranty settlement isn't an all or nothing deal. The schedule allows you to negotiate a settlement that is acceptable both for the customer and for your boss.

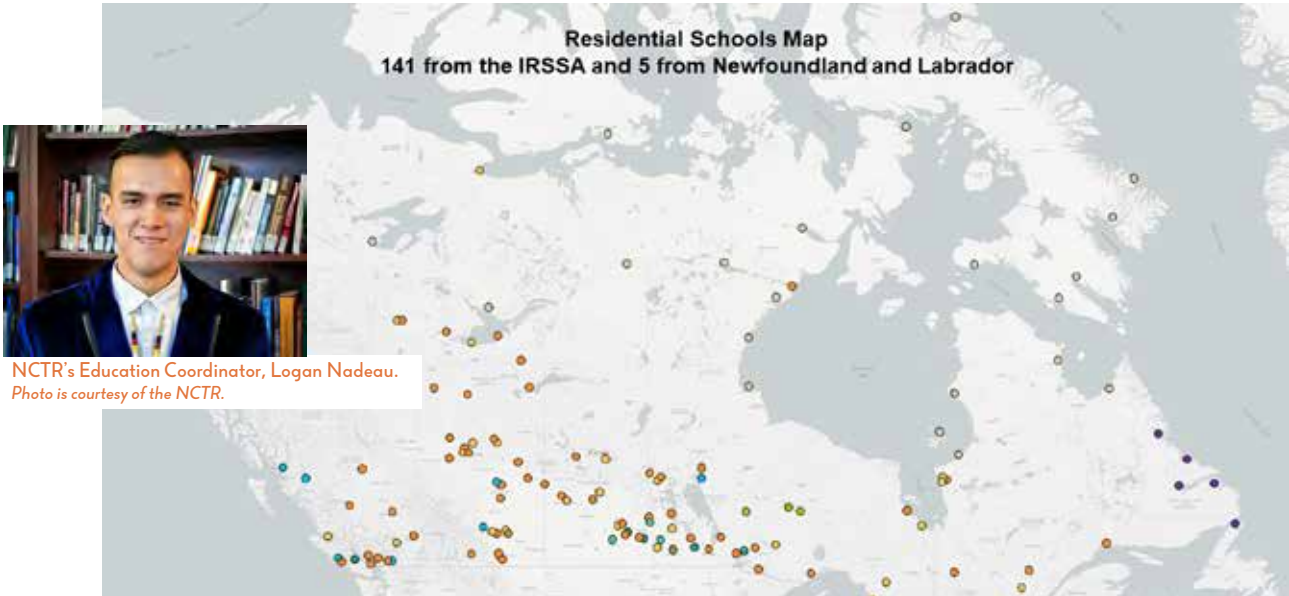
The purpose of the PM schedule is two-fold. It eliminates full warranty costs when a customer has neglected the equipment. And it also serves as a guide to help settle warranty claims when a customer insists on a full warranty payment even when the schedule shows that the equipment was partially neglected.

In the end a happy customer is your best advertising but you still need to protect yourself against excessive warranty costs.

Kurt can be reached at [dkjakob@mymts.net](mailto:dkjakob@mymts.net) if you have any questions or require a manual to be written.

## Reconciliation through education

Information session raises awareness of the history and creation of the residential school system



NCTR's Education Coordinator, Logan Nadeau.  
Photo is courtesy of the NCTR.

Over 46 members attended a presentation designed to aid Canadians in learning about and participating in reconciliation. This educational presentation was done online and hosted by the National Centre for Truth and Reconciliation's (NCTR) Education Coordinator, Logan Nadeau.

This information session provides a basic, foundational knowledge on truth and reconciliation. The presentation also shines a bright light on the contributions of Indigenous Peoples, debunks myths, stereotypes and racism while meeting the Calls to Action in the workplace from the Truth and Reconciliation Commission of Canada.

If you are interested in exploring more, please visit the NCTR [website](#).

## Golf tournament set for June

Register early to hold your spot

Our annual golf tournament will be held on Friday, June 23 at the Kingswood Golf and Country Club.

Lunch starts at 11:30 am with a shotgun start at 12:30 pm.

### Golf tournament information

- Registration fee is \$200 per person;
- There are 36 teams of four players allowed into the tournament;
- The Kingswood Golf and Country Club offers 18 holes for a full day of fun and
- Dinner and prizes are included in your tournament fees.

The Kingswood Golf and Country Club is located in La Salle, Manitoba, just six minutes from the south Perimeter — south on highway 330.

### Our 25th annual journey

There is a limited amount of spots, so register early to save your place.

The registration cost includes fees, golf cart, lunch, dinner and chances to win prizes.

If you have any questions, please don't hesitate to contact the tournament



coordinator Cathy Penner at 204-784-1082 or by email at [cpenner@cttam.com](mailto:cpenner@cttam.com).

Payment can be made by cheque (payable to CTTAM), credit card or by an e-transfer.

A fillable registration form and sponsorship information is available on our [website](#).

Hope to see you there!



# 2023 Manitoba Robot Games

Oil, sweat and gears!

The 2023 Manitoba Robot Games were held on Saturday, March 18. Robot builders from all over the province converged on Tec-Voc High School to test their creations against their peers in sumo wrestling, line following and obstacle course racing.

### Event attracts contestants from all ages

The games attract people of all ages from elementary school kids to university students with many competitors being members of a school or local robotics club. Some entrants return year after year with new robots built using the lessons learned at previous games. Others progress from the simpler wire-controlled classes to more complex autonomous classes as their skill and ability increases. A few return as volunteers or committee members to support the growth and success of the games.

The robot games provides an outlet for K-12 students to build confidence in their mechanical and electrical design and construction skills which may lead to a career in technology or engineering.

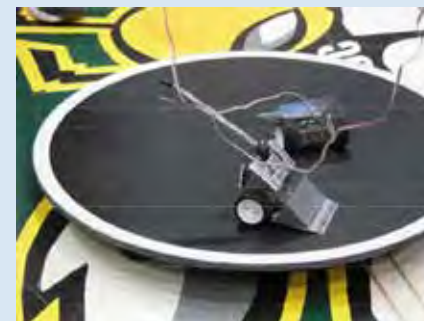
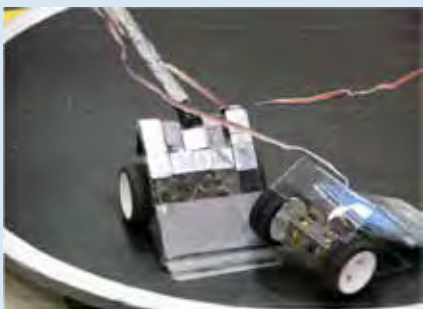
The competitions are designed to engage students' interest while focusing on the incremental problem-solving that will allow the robots to improve and the competitors to improve along with them.

### A friendly competition

The games provide a friendly atmosphere where the latest improvements can be tested and entrants can share what works and what doesn't work.

Some of the basic robots can be built in just a few hours but the more advanced creations will occupy a builder or team of builders for many hours spread over the weeks or months leading up to the games.

An army of volunteers, including some CTTAM members, helped the games run smoothly and assisted the competitors to have a great day building and testing robots in action. CTTAM sponsored the mini-sumo competitions.



Article and photos courtesy of Manitoba Robot Games.



# Upcoming RRC Polytech courses

## Manitoba building code courses

These courses and exams are geared to Inspectors who started their training under the 2010 code cycle and want to complete their studies under the same cycle. The courses are delivered on-line and include specific scheduled virtual class time with an instructor. More course information and a registration form can be found on the college [website](#).

Here is a list of upcoming courses:

### Part 9 The House

*Prerequisite: Intro to the MB Building and Fire Codes*

May 1 - 26, 2023

Course Code: CIVL-1091 Section ID: 243837

\$795

### Part 9 The House Online EXAM

May 31, 2023, 9am - Noon

Course Code: CIVL-1092 Section ID: 243838

\$150

### Part 9 Small Buildings

*Prerequisite: Part 9 The House*

September 5 - 29, 2023

Course Code: CIVL-1086 Section ID: 243839

\$795

### Part 9 Small Buildings Online EXAM

Oct 4, 2023, 9am - Noon

Course Code: CIVL-1087 Section ID: 243840

\$150

### Part 3 Large Buildings

*Prerequisite: Part 9 Small Buildings*

May 29 - June 16, 2023

Course Code: CIVL-1093 Section ID: 243011

\$795

### Part 3 Large Buildings Online EXAM

June 19, 2023 (9am - Noon)

Course Code: CIVL-1094 Section ID: 243013

\$150

### Part 3 Complex Buildings

*Prerequisite: Part 3 Large Buildings*

September 11 - 15, 2023

Course Code: CIVL-1083 Section ID: 243014

\$572

### Part 3 Complex Buildings Online EXAM

September 18, 2023 (9am - Noon)

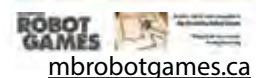
Course Code: CIVL-1084 Section ID: 243015

\$150

# Building on our industry connections

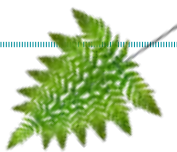
## Our strategic partners

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



# Keep in touch

Subscribe to CTTAM news to get posts on training, events and events sent directly to your inbox. If you are not receiving these emails, contact us at [admin@cttam.com](mailto:admin@cttam.com) or call 204-784-1081. We will gladly update your email address on your member profile and update if necessary, any of your contact information.





# The technology ring

A sign of your commitment to the profession

### The outward visible symbol

of certification in the profession is our CTTAM professional ring.

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

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

It may be worn according to your preference but professional rings are traditionally worn on the pinky finger. The maple leaf design was chosen

to reflect our country and make it more likable by members across Canada.

The gears represent the five members of an engineering team:

- Trades person;
- Technicians;
- Technologists;
- Engineers and
- Scientists.

The ring is distinctive enough so that the public could identify at a glance that it is a symbol of Certified Engineering, of an Applied Science

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

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

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Focused on the strategy, oversight and accountability of the organization

Over the past 58 years, our Board of Directors has supported engineering technologists and technicians for the important role they play in engineering technology and applied sciences. The board also provides guidance, advice and the general oversight of operations without being involved in day-to-day operations.

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## The Manitoba Technologist

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Articles, suggestions or constructive criticism regarding this publication, the Association, or other matters of interest to Engineering and Applied Science Technicians and Technologists should be sent to the CTTAM office.



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### Office hours

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*Appointments are required to meet CTTAM staff in person*

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