



FALL 2020

# THE MANITOBA TECHNOLOGIST

## Our new normal

**2020 Annual General Meeting:  
Bringing technology and people together**

***Inside: OUR PRESIDENT'S MESSAGE***



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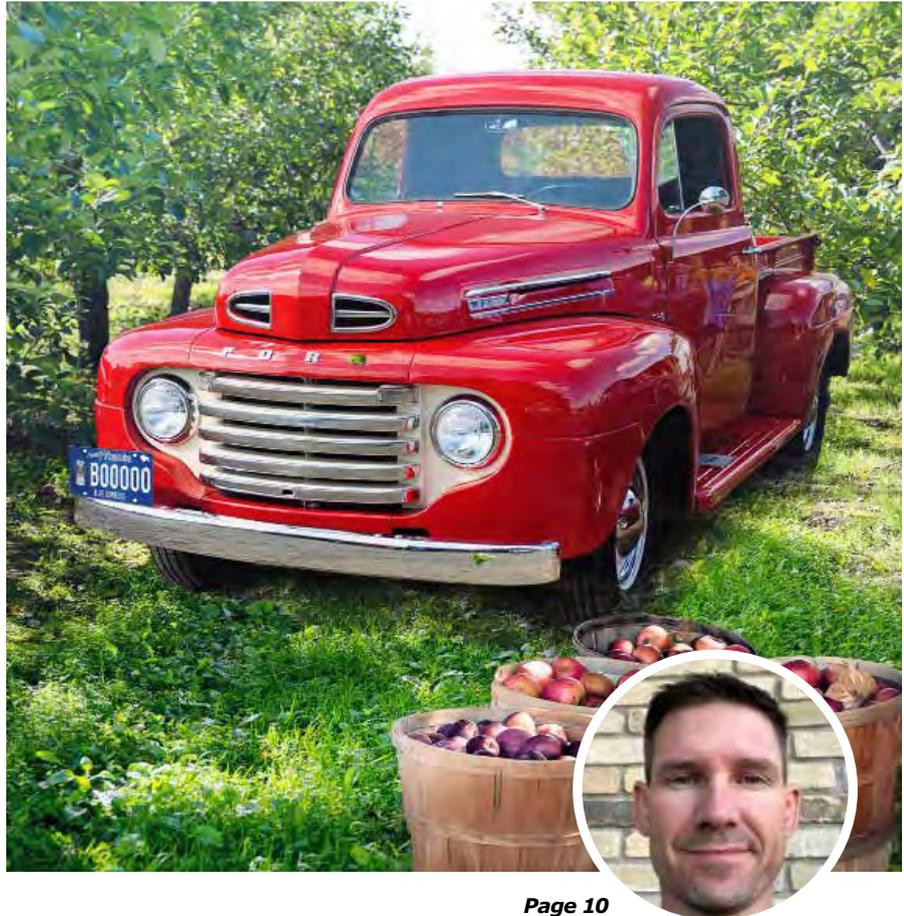


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## A year of tremendous and unprecedented change

### Successful completion of key objectives

**Fall not only signals a change** of season but triggers the review of our yearly progress at the Annual General Meeting (The 2020 AGM was held on October 8).

Our world changed so fast this year with all of us still living through a crazy and at times a difficult global COVID-19 pandemic.

#### Going virtual

With meeting restrictions put in place by Manitoba health officials in late September due to community transmission levels, we had our first-ever online AGM.

It was exciting to see over 70 of our members show-up to support us virtually! A few things went a little wrong and we so appreciated everyone's patience and understanding.

We always welcome the chance to keep you updated on how we have been hitting those successes and the course needed to continue to build on this momentum. The general meeting also provides the forum for you to exercise your right to decide on how CTTAM operates.

#### Strategic plan now in place

Over the last two years I have been focused on updating our strategic plan. One of the

biggest accomplishments was the finalization of CTTAM's strategic plan and the following strategic initiatives and objectives:

#### Delivering on our plan

1. *Continuing Professional Development Program (CPD)*

Our CPD program provides members with an affordable channel to augment their education and experience. Supporting members' career paths is also one of our strategic goals.

2. *Strength in relationship building*

Manitoba needs a strong engineering team made up of trades, technicians, technologists and engineers. Having a joint board with the Engineers Geoscientists Manitoba organization strengthens the understanding and ties between both organizations and our members.

3. *National Reunification*

It was clear from our strategic planning sessions that our members value a national voice. CTTAM and its board continues to work to make the recent reunification a lasting and strong advocate for our membership.

4. *Transition to virtual operations*

The pandemic has had a major impact on everyone and the agility demonstrated by Robert Okabe, CEO

and Registrar and the CTTAM staff to transition to a virtual model is astounding. Our top-notch member services continue to be offered and the shared work space will enable CTTAM to redirect resources to member support programs.

While the pandemic may make the future seem uncertain, there is one certainty, this global virus will eventually subside. We will continue to serve our members, carry on with our strategic career support programs and prepare for the day when COVID-19 becomes a part of history.

I am confident that CTTAM will emerge from this crisis, as a strong and focused organization that is even more valuable to its members. I'm proud to be part of an organization that works so hard for its members.

Stay Safe. Stay Well.

**Andrew Procca, B.Tech, C.E.T., PMP**  
CTTAM President

*Andrew Procca is a research council officer at the National Research Council of Canada's Medical Devices Portfolio. He holds a bachelor of technology degree (2008) from Memorial University of Newfoundland and a diploma in electronic engineering technology (1988) from the Red River College of Applied Arts, Science, and Technology. Andrew has over 25 years of experience spanning the manufacturing, information technology and medical device industries.*





# Our new normal

**On October 28, CTTAM will celebrate its** fifty-fifth anniversary as a professional association by reflecting on the past contributions of its members and staff and their contributions to the Manitoba economy. 2020 has been a challenging year due to COVID-19 which has resulted in many changes in the way we conduct business and social interactions.

The leadership from the CTTAM Board of Directors had the foresight to plan for the future of the association by consulting with our members and stakeholders to develop a strategic plan to meet their needs. The completed strategic plan is available online for the membership to review. Agile leadership is essential if an organization is to affect true agile business change. To be truly agile, an organization needs to operate in a very different way, with leadership, values and norms all reinforcing the culture. I am proud of the leadership demonstrated by the CTTAM Board of Directors who have allowed for change management.

CTTAM closed the office at 602-1661 Portage Avenue back in June allowing staff the flexibility of working at home as well as at a shared co-work space. Launch Coworking Space was selected and provides three locations in Winnipeg for the staff to meet with clients and members.

### Streamlining the certification process

CTTAM and the eight other Provincial Associations have been working collaboratively on the creation of a new pan-Canadian website which will serve as a single-source of information and gateway for people seeking registration as a technology professional in Canada. The national gateway will provide a pathway with direct access to registration and certification for those technology professionals who are coming from abroad



*Robert (Bob) Okabe has been our CEO and Registrar since July 2015. He has a Civil Engineering Technology Diploma from Red River College. Bob has served as Association President, Panel of Examiners Committee Member, CCTT Director and past Chair and Program Reviewer for CTAB.*

and the Canadian Armed Forces personnel. Potential members will be able to apply to a specific province utilizing the TRC application website. Development of the new website has been funded by the Government of Canada with an anticipated launch date of March 2021.

### Working together

Maintaining relationships with our strategic partners is stronger than ever and include the Office of the Manitoba Fairness Commissioner, the Office of the Fire Commissioner, ACEC-MB and Skills Canada MB. CTTAM continues to work with the Engineers Geoscientists Manitoba and maintains a working relationship with the joint board. CTTAM member interest in obtaining a limited engineering licensing, Eng.L designation, has exceeded our expectations.

We continue our strong relationship with Red River College, University College of the North and Assiniboine Community College to expand CTTAM's outreach beyond Winnipeg with scholarships being offered to Engineering Technologist and Technician programs. Online learning and reduced contact will require online meetings to network with students.

### Trusting our brand

CTTAM membership is market driven and the C.E.T. and C.Tech. designations are the trusted brand asked for by employers. Periodically we receive information that individuals, who are not entitled to do so, are using CTTAM designations. CTTAM's Certified Members have met stringent criteria and our designations are protected by The Certified Applied Science Technologists Act. Individuals using CTTAM designations who indicate that they are CTTAM Members but who are not on CTTAM's Register of Active Members will be dealt with swiftly.

Each year I comment on how fortunate CTTAM is to have a strong and dedicated volunteer base which helps meet the needs of the public and our Membership. This year is no different and CTTAM would not be the successful

## Feedback

We want to hear from you. Tell us what you like or what we can do better.

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:

### CTTAM

PO Box 700064 Kenaston PO  
Winnipeg, MB R3P 0X6

Phone 204-784-1088  
admin@cttam.com



### Office hours

We are open from 8 am to 4 pm, Monday to Friday. If you require an in-person meeting, you have to call CTTAM at 204-784-1081 and book an appointment.

*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.*

organization that it is without these individuals. I would also like to express my appreciation to Lauren Gluck, Member Services Coordinator, and Cathy Penner, Registration Services Coordinator, for their dedicated work during the year.

Thank you to our valued members, employers and our stakeholders for your commitment to our success over the years.

Above all, stay safe and healthy.

**Robert Okabe, C.E.T., FEN (Hon.), IntET (Canada)**

CEO and Registrar

## CERTIFIED

Congratulations to our newly certified members. Welcome!

**Being certified through CTTAM**, permits our members to use one of two titles, *Certified Technician* or *Certified Engineering Technologist*. It also allows the use of the designations C. Tech. or C.E.T., depending on the type of certification. These designations are recognized by industry and employers and indicate that you are a member of a professional association.

A majority of employers require that their employees become certified and will often make this a requirement for job placement and upgrading. Quality-based selection is now an important factor in awarding contracts to employers who have certified staff. Active certified members are able to transfer their certification to other provinces in Canada. Certified members may also vote in the association's elections, hold office and participate on one of CTTAM's many committees. There are also many discounts on different services available to our members and access to the CTEN job bank at [www.cten.ca](http://www.cten.ca).

### Technicians

**Kiziah Magnaye**, C.Tech.  
**Paul Escano**, C.Tech.

DGH Engineering Ltd.  
Eaton Industries Canada

**Matiss Oglaitis**, C. Tech.

Decor Cabinets Ltd

### Technologists

**Alexandre Wajnsztein**, C.E.T. Canada Goose  
**Brodie Robins**, C.E.T. Samson Engineering Inc.  
**Christian Giesbrecht**, C.E.T. J.R. Simplot  
**Christopher Smithson**, C.E.T. Pinchin Ltd.  
**Dennis Onoko**, C.E.T. Valard Construction  
**Devin Newbiggin**, C.E.T. Sigfusson Northern Ltd.  
**Graham Vincent**, C.E.T. Qualico  
**Helen Fajardo**, C.E.T. New Flyer Industries  
**Huipeng Xu**, C.E.T. PTI Transformer LP  
**Judy Lui**, C.E.T. Manitoba Hydro  
**Kenneth Ching**, C.E.T. L.V. Control Manufacturing Limited

**Martina Saleem**, C.E.T.  
**Matthew Carpenter**, C.E.T.  
**Richard Gamble**, C.E.T.  
**Roman Kliuchka**, C.E.T.  
**Rosal Fernandez**, C.E.T.  
**Song Liu**, C.E.T.  
**Tanner Singleton**, C.E.T.  
**Tobias Kasper**, C.E.T.

Manitoba Hydro  
Manitoba Water Services Board  
SLR Consulting Canada  
BioChambers Inc.  
Transkor Construction  
Contempora Steel Builders  
EF Moon Construction  
Penn-co Construction Canada (2003) Ltd.  
City of Winnipeg  
Penn-co Construction Canada (2003) Ltd.

### Our Board of Directors

*Over the past 55 years, CTTAM has supported the recognition of engineering technologists and technicians for their important role in engineering technology and applied sciences. Our primary purpose is the certification and regulation of our members.*

#### President

Ted Protosavage, C.E.T., MiM, P.Eng.

#### Past President

Andrew Procca, B.Tech., C.E.T., PMP

#### Directors

Chad Erickson, C.E.T.  
Mariclaire Monton, C.E.T.  
Grant Nicol, C.E.T.  
Dana Shewchuk, C.E.T.  
Josée Rémillard, C.E.T.  
Elaine Vegh, C.E.T.  
Shannon Nordal, C.E.T.  
Harvey Kaita, Member-at-Large

#### CTTAM Office

Robert Okabe, C.E.T., FEN (Hon), IntET (Canada)  
CEO and Registrar  
Lauren Gluck  
Member Services Coordinator  
Cathy Penner  
Registration Services Coordinator



# First-ever virtual Annual General Meeting

Members participated online, voted and passed motions

**The pandemic forced** us to cancel our annual in-person event and instead use existing technology to provide our members a completely virtual meeting.

On Thursday, October 8, we successfully executed our first-fully virtual annual general meeting.

Our members attended online, voted and asked questions all live from the comfort of their homes.

“We couldn’t hold our typical AGM due to in-person attendance restrictions. We had over 70 people join us online for this year’s AGM. There are definite benefits to holding a virtual meeting. I also recognize that some people will have liked it and some possibly not so much,” said Robert Okabe, CTTAM’s CEO and Registrar.

### Motions passed, reports shared

Our yearly gathering allows us to review CTTAM’s performance, celebrate our successes and outline our plans for the next 12 months.

Certified members voted on matters which included organizational decisions, the filling of vacant positions on the Board of Directors and the selection of an auditor.

*“We have some bugs to work out. But overall member feedback was positive. Having more online events is something we will definitely entertain in the future.”*

CTTAM welcomes new Board member Shannon Nordal and returning member Chad Erickson, C.E.T. (Second term).

Ted Protosavage, C.E.T., MiM, P.Eng., transitioned from President-Elect to President at the AGM. As CTTAM’s President, he recognizes the importance of a strong membership base and will continue to promote the benefits that CTTAM offers.

### Member awards

We typically award anniversary pins to our long-standing and valued Members at our AGMs.

Newly designated members, under normal circumstances, are able to have their certificates formally presented to them at the AGM.

This year however, pins and certificates will be mailed out to our members, a practice which will continue until further notice.

Thank you to all who attended online, voted and made our first virtual meeting a success.



Andrew Procca at the on-line 2020 AGM.



CTTAM’s New President, Ted Protosavage, presenting out-going President Andrew Procca with the President’s award.

# The City of Winnipeg's automated recycling facility

## 200 metric tonnes of material processed per day

Prepared by Mark Kinsley, C.E.T., Supervisor of Waste Diversion — City of Winnipeg

The City of Winnipeg's automated recycling facility, known as a Materials Recovery Facility (MRF) began sorting materials in October 2019. It processes all the paper, cardboard, aluminum, glass, and plastics collected from the curbside collection program at homes and apartments, as well as the recycling depots.

These sources amount to an average of 200 metric tonnes (mt) of material processed per day. The annual volume processed is approximately 52 000 mt. The MRF is administered through a City of Winnipeg contract, but is owned and operated by Green For Life Environmental Inc. (GFL) and uses equipment supplied by Machinex Industries Inc.

The MRF is designed to process around 26 metric tonnes of mixed materials every hour. While some manual sorting is still required, roughly 90 percent of the operation is automated. The MRF sorts the materials into commodities that meet the market demands of the recycling industry while removing unacceptable items. This allows the recyclable products to be recycled or diverted from the landfill and transported to other facilities to be re-processed or re-purposed into new products. Approximately 85% is diverted and 15% is landfilled.

### Leading technology

This facility has state-of-the-art near infrared optical sorting technology that

uses light reflection item identification and air to sort out paper and plastic recyclables.

It also has artificial intelligence technology that uses a robotic arm to sort programmed plastics.

The technology gives the City the ability to meet the market demands for quality of recyclables being marketed, which have become increasingly stringent in recent years.

### How the automated sorting system works

- Collection trucks empty all the materials collected onto the tipping floor, where a front-end loader transfers everything onto a drum feeding conveyor belt to transport the materials throughout the facility.
- The materials first reach a manual sorting station, where workers remove as much non-recyclable material as possible, such as plastic bags, scrap metal, renovation material, clothing and garbage.
- The remaining materials are then transported to a cardboard sorter called an OCC (old corrugated cardboard) screen. The screen is a series of shafts fitted with rotating disks.
  - As the cardboard is sorted out, the other materials, such as paper and containers, fall through openings between the shafts.
  - The remaining material passes through a series of optical sorters, which identify a variety of paper and plastic materials based on the per sorter unit programming.



Sorting equipment.

- The MRF has seven optical sorters to separate paper and plastic and help remove garbage from the end of the sorting line. The programming is based on the type of paper or plastic within the sorted item. For example, newsprint and #1 PET plastic (e.g. pop and water bottles).
- In addition to the optical sorters, the MRF uses an advanced glass separation system, magnets to sort steel cans, an eddy current system to sort aluminum cans and the robot that identifies and sorts plastic containers.
- The MRF also has ten manual sorting stations throughout the facility, where workers assure the machines are sorting recyclables effectively, so they can be marketed and recycled into new products.
- Once the individual paper, cardboard, metal and plastic materials are sorted, they are baled and placed in a shipping area before being transported for re-processing. Sorted glass is placed in transport containers and materials, such as paper and containers and fall through openings between the shafts.
- The remaining material passes through a series of optical sorters, which identify a variety of paper and plastic materials based on the per sorter unit programming. The MRF has seven optical sorters to separate paper and plastic and help remove garbage from the end of the sorting line.



Typical material on tipping floor prior to sorting.

Continued on next page.

# The City of Winnipeg's automated recycling facility (continued)



Manual sorting station.

- The programming is based on the type of paper or plastic within the sorted item. For example, newsprint and #1 PET plastic (e.g. pop and water bottles).
- In addition to the optical sorters, the MRF uses an advanced glass separation system, magnets to sort steel cans, an eddy current system to sort aluminum cans and the robot that identifies and sorts plastic containers.
- The MRF also has ten manual sorting stations throughout the facility, where workers assure the machines are sorting recyclables effectively, so they can be marketed and recycled

into new products.

- Once the individual paper, cardboard, metal and plastic materials are sorted, they are baled and placed in a shipping area before being transported for re-processing. Sorted glass is placed in transport containers and delivered to the Brady Road Resource Management Facility and used as aggregate substitute.

Even with the technology and efficiency of the MRF, the most important aspect is for the recycling program users to take the time to ensure they are properly recycling and following the City of Winnipeg's acceptable list of recyclables.

This combined with practicing simple program expectations, such as emptying or rinsing out containers and having items loose, not nested together when placed in their recycling, ensure the recyclables have

the most value in the market and the best chance to have a new life.

More information about the City's recycling program can be found on the Water and Waste Department's webpage.



Robotic sorter.

## Keep in touch

Ensure you are receiving CTTAM updates, especially in these times of rapidly changing developments.

We regularly send out emails announcing events and professional development seminars. 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 contact information.



## Life-Long Members

Retired members may be exempted from dues

**Lifetime membership** recognizes our retired members and the contributions they have made to the profession and our organization over the course of their careers and membership.

Members who are retiring should note that if you have been a certified CTTAM member for 30 years or more, you may qualify for *Retired Life Member* status.

### How to make the move to lifetime membership

A retired life membership is open to those who are permanently retired from professional work.

You will be eligible if you have been a member for 30 years or more.

To switch your membership to Retired Life, or if you have any questions, please contact Lauren Gluck, Member Services Coordinator, at [admin@cttam.com](mailto:admin@cttam.com) or by phone at 204-784-1081.



# MEMBER PROFILE

## The City of Winnipeg's recycling expert

Mark Kinsley, C.E.T., has been a member of CTTAM for 13 years

### Each city's recycling program

is typically based on assessing recyclable and waste availability, economics, equipment and facility design.

For over 3½ years Mark has been a supervisor at the Materials Recovery Facility that processes all the paper, cardboard, aluminum, glass and plastics collected from the City of Winnipeg's curbside collection program, as well as its 4R recycling depots.

The 4R depots are places where people are able to drop off materials that can be recycled, reused, composted or resold.

The Manitoba Technologist recently asked Mark a few questions. His answers are provided below.

### Your job title and employer?

I'm the Supervisor of Waste Diversion — City of Winnipeg Waste Diversion Branch.

### What are your main job responsibilities?

I oversee the continuous improvement of Winnipeg's waste diversion programs, administrate facility contracts and manage branch staff.

### Educational background

#### Where did you graduate from?

I graduated from the Red River College's Civil/CAD Technology — Environmental Protection course in April 2004.

My first job after graduating was with the City of Winnipeg working as an Environmental Technical Assistant, employed at the City of Winnipeg's Landfill Environmental Branch.

### Personal information

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

My grandfather, who we called Gigi, was an immigrant from Poland who moved to Canada in 1929 at 19 years old with \$10. Needless to say, it was a struggle, but through hard work, determination and an honest reduce, reuse and recycle mentality, he built a good life and passed these virtues onto all his children and grandchildren. He definitely inspired me to practice waste diversion every day of my life which lead me to my post-secondary education choices and my career.

#### What activities do you enjoy outside of work?

My favorite past times are hockey and home improvement.

I'm married with two wonderful children; a son (14), and a daughter (11), they both get reminded or pestered about the importance of waste diversion on a daily basis, in addition to the regular dad lessons.

*Mark Kinsley, C.E.T., works hard on making Winnipeggers aware of what we can and cannot recycle.*

No plastic bags

"If there was one thing I could magically remove from blue bins it would be plastic bags. We can't recycle them. The bags and anything in them end up at the landfill."



*Panoramic view of the City of Winnipeg's Materials Recovery Facility.*

# Membership matters

## Recognizing our long-term members

A strong and active membership is vital to the success of our association. Without our dedicated and committed members, we would not be the thriving organization that we are today. CTTAM offers opportunities for all members to receive recognition for the role they play in growing our organization. Membership milestones are acknowledged with pins which are usually presented at our Annual General Meeting, held in October. Due to the ongoing crisis, pins are being mailed to awardees. Thank you to our members for their long-term commitment to CTTAM.



### 2020 Long-Service Pin Recipients

#### 50 Year

Art Mogk, C.E.T.

Glen Middleton, C.E.T.

Dennis Sutherland, C.Tech.

#### 40 Year

Brent Daly, C.E.T.

Clifford Brown, C.E.T.

Doug Rogalsky, C.E.T.

John Drew, C.E.T.

Paul Krueger, C.E.T.

Brian Schmidt, C.E.T.

Conrad Wyrzykowski, C.E.T.

Felix Bileski, C.E.T.

Kenneth Mills, C.E.T.

Ronald Peters, C.E.T.

Christopher Marko, C.E.T.

Darcy Yaskiw, C.E.T.

Garry Skakun, C.E.T.

Kent Cielen, C.E.T.

Terry Leefe, C.E.T.

Clifford Murphy, C.E.T.

Dennis Friesen, C.E.T.

Gordon Linnick, C.E.T.

Maurice Jegues, C.E.T.

William Lightly, C.E.T.

#### 35 Year

Allan Boyd, C.E.T.

Gordon Friesen, C.E.T.

Jon Phillips, C.E.T.

Richard Schwarz, C.E.T.

Ronald Marshall, C.E.T.

Werner Hiebert, C.E.T.

David Woodman, C.Tech.

Harold Jugandi, C.E.T.

Mark Waschuk, C.E.T.

Robert Hinkelman, C.E.T.

Scott Jackson, C.E.T.

Richard Bartley, C.E.T.

Don Reid, C.E.T.

Joe Taferner, C.E.T.

Neil Klassen, C.E.T.

Rock Jerome, C.E.T.

Todd Srogen, C.E.T.

Doug Dyck, C.E.T.

John Vandenberg, C.E.T.

Richard Sarbiewski, C.E.T.

Ron Brako, C.E.T.

W. Mark Sansome, C.E.T.

#### 25 Year

Albert Podzorski, C.Tech.

Brent A. Osika, C.E.T.

Derrick Zaharia, C.E.T.

Glen Spearing, C.E.T.

James Ivanyshyn, C.E.T.

Keith Pratt, C.E.T.

Kingson Choy, C.Tech.

Michael Culjak, C.E.T.

Patrick Duffy, C.E.T.

Richard (Ric) Ramrattan, C.E.T.

Stanislaw Stopa, C.Tech.

Richard D. Davies, C.E.T.

Allan Reimer, C.E.T.

Chris Tormey, C.E.T.

Eligio Minglana, C.E.T.

Greg Moore, C.E.T.

Jaqueline Brooks, C.E.T.

Keith Lilley, C.Tech.

Larry Wiebe, C.E.T.

Michael Spack, C.E.T.

Paulo Torres, C.E.T.

Rocky Lodwick, C.E.T.

Stanislaw Wos, C.E.T.

Arthur Anderson, C.E.T.

David Fillion, C.E.T.

Frank Urbano, C.E.T.

Iovian Nagy, C.Tech.

Jason P. Chuback, C.E.T.

Ken Mattes, C.Tech.

Leslie Walterson, C.E.T.

Mircea Ivan, C.E.T.

Quynh Nguyen, C.E.T.

Rodney Mattern, C.E.T.

Vladimar Kirjner, C.E.T.

Brad Lyall, C.E.T.

Dennis Bramadat, C.E.T.

Gary Derksen, C.E.T.

J. L. Daniel Gratton, C.Tech.

Kamal Singh, C.E.T.

Kevin Hiraoka, C.Tech.

Maria De Castro, C.Tech.

Paran Singam, C.E.T.

Randy Redmann, C.E.T.

Ronald Korman, C.E.T.

Quinton Borreson, C.E.T.



# Mentorship program

Part of our new strategic plan, mentorship project on hold



**CTTAM's mentorship program** has been placed on hold due to the COVID-19 pandemic. Because Red River College's programs are being taught virtually online, it is difficult to connect with students and run our mentorship program.

Our program typically has our more experienced colleagues using their knowledge, their experience and their understanding of the industry to support the development of

a student or an inexperienced team member.

We believe well-designed mentoring programs along with a strong up-take, help companies cultivate qualified and engaged employees. Mentoring also can aslo be applied towards your Continuing Professional Development credits.

Our hope and goal is to make the mentorship program available in 2021.

## Continuing Professional Development

Soft launch happened early this year

*We did a "soft" roll out of the Continuing Professional Development (CPD) program in 2020. We are following suit with the many associations that now require reporting of CPD to maintain your membership. The intention was to have you familiarize yourself with the requirements of the program even though mandatory reporting will not be required until 2021.*

**Activities such as peer training,** volunteering and employer provided training, all qualify for CPD credits as well as virtually attending our recent annual general meeting.

It is also important to note that there is no risk to certification status in 2020 if the CPD requirements cannot be met (two activities total reported from the four different categories).

The four main activity categories for our CPD program are:

### Formal Activities

- Seminars (more than 4 hours)
- Structured courses
- Technical training
- Technical education program

### Informal Activities

- Workshops (less than 4 hours)
- On-the-job training
- Read technical journals
- Learn a technical application

### Peer and Professional Interaction Participation

- Mentor or be mentored
- Training of a co-worker
- Demonstrate a technical application to colleagues
- Learn a technical application from colleagues
- Be involved with the profession
- Contributions to the profession
- Present research
- Volunteer in the workplace or community
- Write technical articles and papers

The CPD program guide can be found on the CTTAM [website](#).

If you have questions, please contact Lauren Gluck, Member Services Coordinator, at [admin@cttam.com](mailto:admin@cttam.com) or by phone at 204-784-1081.





# Just the *facts*

about Engineers Canada-sponsored insurance plans

 Over **90,000** of your peers and their families enjoy these benefits. *You* can, too.

Here are more key facts about these valuable plans:

- + You have **exclusive access** to insurance plans created specifically for engineering professionals.
- + Engineers Canada and Manulife **continually assess the plan benefits and rates** to ensure they're highly competitive.
- + They're innovative, with recent enhancements like the **job loss waiver of premium** – the first of its kind in Canada.

Learn more about how these plans can benefit you.

 [manulife.ca/cttam](http://manulife.ca/cttam)

 **1 877 598-2273**

-  Term Life
-  Health & Dental
-  Major Accident
-  Critical Illness
-  Disability Income
-  Manulife One



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