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THE OFFICIAL PUBLICATION OF THE TECHNOLOGY PROFESSIONAL



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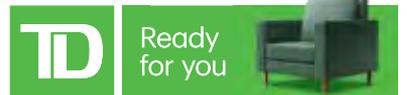
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The Editor

We welcome any comments or suggestions you may have. 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.

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CTTAM MISSION STATEMENT

"To Safeguard the Public Interest by the Certification and Governance of our Professional Members in the Application of National Standards of Applied Science Technology."

Moving or not receiving CTTAM emails?

Ensure you are receiving information from CTTAM. We regularly send out emails to members announcing events and professional development seminars. If you are not receiving these emails, you can contact the CTTAM office at admin@cttam.com or call 204-784-1083.



The admin staff will gladly update your email address on your member profile and update contact information. We are using new association management software and an email address is required for the user name as part of the member login process.



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President's Message

Andrew Procca, C.E.T.

One of the first steps in developing CTTAM's strategic plan was to explore and refine our values. While they may seem obvious, CTTAM's values are our promise to the public, our members, and other technology professionals. These values are the litmus test to guide the actions of the board, staff, and our members.

CTTAM's Values

Our Community: The Public Good

Our first duty as technicians and technologists is to protect the Public Good by practicing our profession with competency and abiding by CTTAM's Code of Ethics.

Our Members: Their Success

After the public, the association's next priority is the success of our members. Membership in CTTAM must contribute to their success. If it ceases to do so not only will it erode our ability to protect the public good, and

members will no longer see value in the association and depart.

Our Profession: Our Success

Collectively our members and those of other national and international technology associations form a profession. In elevating the profile and recognition of the profession CTTAM will support the preceding values.

CTTAM is living these values.

On the national level, we continue to work closely with the other associations to explore paths to reconciliation between all Canadian Technology associations. In pursuit of this we are hosting a president's meeting in November and will be working hard to reach a lasting agreement.

On the provincial level, we are implementing our strategic plan by developing projects to achieve our strategic themes of Career Support

and Relationships. These projects will be prioritized under four strategic initiatives: Professional Development, Networking, Mentorship, and Recognition of Certification.

I'm also happy to report that we were able to make a \$5,200 contribution to our endowment fund with the proceeds from our Golf Tournament. When this fund reaches a self-sustaining level we'll be able to support the education of future Technicians and Technologists. If you want to make a lasting contribution to the profession, please consider making a tax-deductible donation to the endowment fund.

It has been a pleasure and honour serving as your president since last October and I'm looking forward to helping to make a reality our vision of CTTAM being an association that is deeply trusted, respected and connected in Canada's Technology scene.

Andrew Procca CET
CTTAM President

CTTAM Strategic Partnership Program



Build a robot and compete in the Manitoba Robot Games
Then look to a career in engineering



2019 Nominations Committee Report



The **Nominating Committee** for 2019 is comprised of Past President, Kellie Orr, C.E.T. (Chair) and its members: Neil Klassen, C.E.T.; Grant Nicol, C.E.T.; Larry Drebinski, C.E.T.; Phelan Mar, C.E.T.; and Marlon Petrasanta, C.E.T.

The following were recommendations from the Committee for the Director positions that are vacant as at the 2019 Annual General Meeting being held on October 3, 2019.

Mariclaire Monton, C.E.T.

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

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

seminars held by CTTAM and the Winnipeg Construction Association.

Dana Shewchuk, C.E.T.

Dana graduated from the Environmental Protection Technology program at Red River College in June of 2012 and became certified as a C.E.T. with CTTAM in March of 2014.

Dana is currently a member of CTTAM's Leadership and Development Committee. He regularly attends CTTAM events as well as has visited Red River College to participate in information sessions with technology students and has also participated in an information session at Assiniboine Community College in Brandon.

Dana is currently employed with ALS Environmental here in Winnipeg. ALS is one of the largest environmental laboratory networks in the world. They provide a full range of environmental testing services, specializing in the analysis of air, soil, sediment, water, and much more. Dana provides clients with reliable test data that assists them in making informed decisions about projects.

Elaine Vegh, C.E.T.

Elaine Vegh graduated from Red River Campus in 2008 with a Structural Engineering Technology Diploma. Elaine became certified as a C.E.T. in November of 2011. She has been in the engineering and consulting business for the past 12 years. She has been employed by Tetra Tech for the last 10 years and is working as a Technical Specialist IV. Elaine

mainly works in the bridges and structures group but has worked with/in a variety of disciplines including civil, mechanical, electrical, and environmental. She has a great understanding of related engineering principles and practices, plus experience in the field of activity doing reinforcing inspection, concrete placement, and multiple bridge component installations.

Elaine has worked on a variety of structures in both rehabilitation and new construction including straight, skewed, and curved structures. She is highly proficient in bridge components with extensive experience in expansion joints, ensuring each component is suitable and efficient to reduce maintenance requirements and ensure structures longevity.

Elaine acts as a mentor to as many fellow employees as she can as well as she continues to develop her technology skills within her profession.

The Committee's report is submitted in accordance with By-law article 7.2.

"Additional nominations may be made in writing by any 25 members. Such nominations shall reach the Executive Director properly endorsed, not later than 45 days prior to the Annual General Meeting in accordance with By-law 7.3".

Respectfully submitted,

Neil Klassen, C.E.T.
Chair, Nominating Committee

CTTAM'S 23rd Annual Golf Tournament

May 24th, 2019



On Friday, May 24th, CTTAM's 23rd Annual Golf Tournament saw 31 teams teeing off at the Kingswood Golf

and Country Club. Unfortunately, the weather did not cooperate and it rained steadily for a couple of hours. The diehard golfers toughed it out and the rain finally stopped, though it was a bit windy at times. In addition to the contest winners, there were random draws, which included a 50-inch flat screen TV, gift cards to 529 Wellington, a Bomber jersey and hat and other great prizes. CTTAM wishes to thank all of our sponsors,

Darren Wanless for being the emcee, and also the companies that contributed to our prize pool. The golf tournament was a very successful event.

Team with the Best Score

Zeb Hudson
Jamie Froese
Peter Wiebe
Brett Gustafson

Closest to the Pin

Ladies – Rebecca Hewitt
Men – Mike Pfaff

Longest Drive

Ladies – Rebecca Hewitt
Men – Tyson Ennes

Straightest Drive

Trevor Swain

CTTAM Putting Contest

There was a tie, with both Carrie Strachan and Mario Bento receiving a prize.

CTTAM wishes to thank all of the sponsors who because of their generous donations made the tournament such a success. CTTAM will also be donating the proceeds from the golf tournament to Red River College to be used for scholarships for students registered in a technology program.

THANK YOU TO ALL OF OUR SPONSORS

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THANK YOU ALSO TO:



CTTAM Member Profile

Carrie Strachan, B.Sc., C.E.T., A.Sc.T.



Carrie Strachan, B.Sc., C.E.T., A.Sc.T. obtained a Bachelor of Science in Environmental Studies and Biology from the University of Winnipeg

in 1996. Carrie went on to graduate from the Municipal Technology program at Red River College in 2000 and became certified as a C.E.T. with CTTAM later that year. In 2015, Carrie became a certified A.Sc.T. with SASTT (Saskatchewan).

Carrie has been employed with Parsons Inc. (formerly O'Connor Associates Environmental Inc.) for approximately 21 years. Parsons is a technology-driven engineering firm, which provides a broad range of integrated systems, infrastructure, and environmental solutions. In Canada, Parsons is focused on five main sectors: Infrastructure, Industrial, Transportation, Environment, and Systems. For over 30 years, Parsons' Winnipeg office has

specialized in providing industry-leading environmental services to a wide range of clients, including major petroleum companies, manufacturing and chemical companies, and provincial and federal government departments.

Carrie began her career with Parsons as a field technologist in 1998. Over the past 10 years, Carrie has held the position of senior project manager and Winnipeg office manager, responsible for approximately 20 staff members who are based within Manitoba and Saskatchewan. Carrie enjoys her work as she is provided with the opportunity to improve our environment for future generations (which includes her two young boys).

Carrie actively participates in opportunities encouraging young women to enter into STEM careers. She also looks forward to opportunities



to encourage others to participate in CTTAM-related activities like the annual golf tournament.

In addition to her busy work schedule, Carrie enjoys spending time at her West Hawk Lake cottage with her family.

For more information about Parsons Inc., visit www.parsons.com.

Congratulations to Our Newly Certified Members

NEWLY CERTIFIED TECHNICIANS

Dave Goertzen, C.Tech.	City of Winnipeg
Mario De Torres, C.Tech.	BBE Hydro Constructors
Morgan Strachan, C.Tech.	Parsons Inc.

NEWLY CERTIFIED TECHNOLOGISTS

Adam Markewich, C.E.T.	Crane Steel Structures	Justino Lorico, C.E.T.	Gardon Construction
Adrien Morrison, C.E.T.	Nav Canada	Kyle Demers, C.E.T.	Samson Engineering Inc.
Ariel Begelfor, C.E.T.	Winpak	Lord Arwin Bautista, C.E.T.	Honeywell Ltd.
Artemio Santos, C.E.T.	Blue Lake Construction & Consulting Engineers	Manvir Gill, C.E.T.	MDS AeroTest
Aylen Mayor, C.E.T.	Dillon Consulting Ltd.	Matthew Wiebe, C.E.T.	Magellan Aerospace
Bofei Sun, C.E.T.	Manitoba Infrastructure	Matthew Wilkinson, C.E.T.	Dillon Consulting Limited
Brett Baker, C.E.T.	MPE Engineering Ltd.	Nishada Medagoda, C.E.T.	New Flyer Inc.
Brian Peake, C.E.T.	Celco Controls	Oladipo Olagunoye, C.E.T.	Kitchen Craft
Christopher Houston, C.E.T.	Associated Engineering	Ricardo Patiu, C.E.T.	City of Winnipeg
Devon Bell-Evans, C.E.T.	Russell Redi-Mix Concrete	Ryan Henuset, C.E.T.	MacDon Industries Ltd.
Dimitri Tsaiger, C.E.T.	Deer Lodge Centre	Ryan Janz, C.E.T.	Melet Plastics
Igor Gumnitsky, C.E.T.	City of Winnipeg	Ryan Salter, C.E.T.	WSP
J.J. Brandon Campbell, C.E.T.	Red River College	Sam Van Huizen, C.E.T.	City of Brandon
Joshua Lund, C.E.T.	Crosier Kilgour & Partners Ltd.	Teresa Grime, C.E.T.	City of Brandon
		Yaquab Salah, C.E.T.	Manitoba Infrastructure

Young Women in Technology Conference

June 13, 2019 – Red River College



The Young Women in Technology Conference was held on Thursday, June 13, 2019, at Red River College in the new Skilled Trades & Technology Building. The focus of the conference was to generate interest in the technology programs currently offered at Red River College.

Approximately 56 young female students in grades seven to nine participated in the conference.

Skills Canada (Manitoba) along with Red River College arranged for the students to participate in several activities. They built spaghetti and marshmallow towers, constructed circuit boards and tried their hand at virtual welding. The students visited the 'Smart Factory' where they viewed demonstrations at the UMC 750 Milling Centre as well as at the Akuma Laser Additive Centre. The Smart Factory enhances learning at RRC by allowing students to experience



and work in factory settings. Manitoba companies are also able to access state-of-the-art equipment, instructors, researchers, and students in order to test and prepare their technologies for incorporation into their own operations.

Four industry partners participated in the event: ICTAM, Princess Auto, Manitoba Hydro, and the Birchwood Automotive Group. The students were able to visit their booths and participate in interactive/hands on activities.

Ten high school students from Shaftesbury High School, Kildonan East

Collegiate, and Murdoch McKay Collegiate volunteered as mentors and participated in the activities along with the students.

CTTAM provided sponsorship for the event and wishes to thank Allison Davies, C.E.T.; Harmony McKinney-Bumstead, C.E.T.; Jennifer Jessop, C.E.T.; and Carrie Strachan, C.E.T., for participating on a panel of female technologists representing different technology fields of discipline. Thank you also to all of the CTTAM Members who responded to the call for volunteers.

Volunteers Needed



Manitoba Robot Games (March)

The Manitoba Robot Games is an annual event providing an opportunity for K-12 students to build confidence in their mechanical and electrical design along with construction skills, which may lead to a career in technology or engineering.

Robot builders from all over the province converge on Tec-Voc High School to test their creations against their peers in Sumo Wrestling, Line Following, Obstacle Course Racing, and Tractor Pull. 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 microprocessor driven autonomous classes as their skill and ability increases.

An army of volunteers is needed to help the Manitoba Robot games run smoothly

and to assist the competitors with having a great day building and testing robots in action. Volunteers work as runners, judges, and timekeepers. CTTAM is one of the many sponsors of the games.

Volunteers are needed for the whole day on a Saturday in March. There is a training session for volunteers the night before the games.

Wind Turbine Competition (October)

Skills Canada Manitoba, the Certified Technologists and Technicians Association of Manitoba (CTTAM), and Red River College host the Annual Model Wind Turbine Competition at Red River College in October as part of National Trades and Technology Week. CTTAM donates all the building material including the DC motors which are used as generators.

Given a specific set of materials to work with, approximately 14 teams of Grade 9 and 10 students from around the province use their skills and ingenuity to design and construct a working model wind turbine.



Volunteers are needed to help with the collection and assembly of materials, registration at the event, and the judging of the wind turbines in three categories: design, construction, and power generated.

If you are interested in volunteering for one or both of these events, please contact the CTTAM office as soon as possible at 204-784-1082 or email adminassistant@cttam.com. The CTTAM office requires volunteer names three months in advance of the event.

Thank you!

Special Meeting of the Members

June 27th, 2019



Special Meeting of the Members was held on Thursday, June 27th at the Holiday Inn West. The purpose of the meeting was to review and approve changes to CTTAM's By-law and to also present certificates to newly certified Members.

CTTAM wishes to thank the approximately 37 Members who attended the meeting. Meetings such as these provide an opportunity for CTTAM Board Members to personally meet CTTAM Members.

New Member Certificate Presentations

Some of the changes to the By-law discussed at the meeting were as follows:

1. Addition of 'Technical Specialist'
2. Addition of 'Intern'
3. Addition of 'Retired Life Member'
4. Board of Directors can approve fee increases

Excerpts from the CTTAM By-law:

Technical Specialist

3.8 – Applicants for membership who do not meet the requirements of Article 19(1) of the Act and such other rules, qualifications and criteria as may be prescribed by this By-law or by the Certification Board and approved by the Board shall be entitled to become a Technical Specialist of the Association as the case may be and to have his or her name entered in the Technical Specialist Register. Technical Specialists may not hold office, vote or use the letters 'C.E.T.' or 'C.Tech' or any other classifications that may be added by the Board other than those added by the Board and deemed specific for Technical Specialist.

Intern

3.9 – Applicants for membership who do not meet the requirements of Article 19(1) of the Act and such other rules, qualifications and criteria as may be prescribed by this By-law or by the Certification Board and approved by the Board shall be entitled to become an Associate of the Association as the case may be and to have his or her name entered



Left to Right: Andrew Procca, President; Ariel Begelfor, C.E.T.



Left to Right: Andrew Procca, President; Sam Van Huizen, C.E.T



Left to Right: Andrew Procca, President; Mario De Torres, C.Tech

in the Intern Register. Interns may hold office. Interns may not use the letters 'C.E.T.', 'A.Sc.T', or 'C.Tech'. Interns may use Graduate Technician or Graduate Technologist or other classifications that may be added by the Board.

Retired Life Member

3.14 – A Member, who has retired and ceased to practice and has maintained membership for a minimum of (30) thirty years may apply

to the Board for 'Retired Life Member' status. Such membership shall be for the lifetime of the Member and shall be without fees or dues.

Fees

15.3 – The Board shall determine the annual fee to be paid by each category of CTTAM member and may determine any other fees to be paid by CTTAM members for any service provided by CTTAM.

54 Years of Certified Success



ANNUAL GENERAL MEETING
Thursday, October 3, 2019

Assiniboine Park Zoo
"Gateway to the Arctic" Venue
2595 Roblin Boulevard, Winnipeg

Use of C.E.T. or C.Tech Professional Designation

Under the Certified Applied Science Technologists Act of Manitoba, CTTAM is the regulatory body that governs the use of the professional designations "Certified Engineering Technician", "Certified Engineering Technologist", "Certified Applied Science Technician" and "Certified Applied Science Technologist" as well as the initials "CET", "C.E.T.", "AScT", "A.Sc.T.", "CTech", "C.Tech.", or any like words, initials, or expressions.

Please note the following:

- Members not in good standing are not entitled to continue to use the designation.
- Associate Members may not use a designation until they have completed the requirements for certification with CTTAM.
- Graduates of a civil, chemical or computer engineering technology program cannot use C.E.T. as an abbreviation of their qualifications.
- Individuals who work in another province but hold membership in

Manitoba cannot use the professional designation in the province in which they work. They must transfer their membership to the province in which they are working in order to use the professional designation. After transferring their membership to the province in which they currently work, they can maintain a non-resident status with CTTAM.

If you are unsure if someone is misusing one of the professional designations mentioned above, please contact the CTTAM office at 204-784-1080. All inquiries are confidential.

The Technology Ring

A Symbol of Distinction and Call to the Profession

The outward visible symbol of certification in the profession is the Professional Ring. A sterling silver band formed by a repeating pattern of five gears bracketed by a maple leaf on each side. The technology ring represents the union between the member, the Association, and fellow members.

- It may be worn according to the member's preference but professional rings are traditionally



worn on the last finger of the working hand (pinky finger).

- The maple leaves were chosen in order that the ring would be acceptable to all Canadian Technicians and Technologists.
- The gears represent the five members of the engineering team: trades person,

technicians, technologists, engineers, and scientists.

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

The Technology Ring is available to all Certified Technicians and Technologists at a cost of \$100 and can be purchased from CTTAM. The office located at 602 – 1661 Portage Avenue, Winnipeg. Please contact Anita at 204-784-1083 for more information.

Do You Have a Story to Share?

Do you have an accomplishment you are most proud of? Love your chosen profession and want to share it with the world? CTTAM would love to hear from you and welcomes any and all Members to submit workplace photos along with your story for publishing in future Manitoba Technologist issues and/or be posted on CTTAM's website. Please send your submissions to adminassistant@cttam.com or call the CTTAM office at 204-784-1082 for further information.



CTTAM Financial Scholarship



CTTAM is offering a \$1,000 scholarship to the son or daughter of a CTTAM Member. This scholarship is to provide assistance with expenses

incurred while undertaking studies leading to a technician or technologist diploma in a recognized program of study in engineering technology or applied science technology. All submissions will be coded and the recipient will be chosen by the lottery method. The application form can be found on CTTAM's website (under the 'Articles' section on the home page). The submission deadline is September 27, 2019.



Professional Membership Fees

2019 Comparison Chart

Province	2019 Fee
Quebec (OTPO)	\$395.00
Alberta (ASET)	\$355.00
British Columbia (ASTTBC)	\$353.60
New Brunswick (NBSCETT)	\$250.00
Newfoundland (AETTNL)	\$240.00
Saskatchewan (SASTT)	\$230.00
Ontario (OACETT)	\$220.46
Nova Scotia (TechNova)	\$180.00
Manitoba (CTTAM)	\$175.00
Prince Edward Island (ITP)	\$140.00

This chart is a comparison of 2019 annual professional membership fees charged by sister associations of CTTAM across Canada. Please note that the fees do not include taxes, other fees or levies, and is based on information provided by each association.

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- + They're innovative, with recent enhancements like the **job loss waiver of premium** – the first of its kind in Canada.

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