The Ontario Technologist

Sharing the risks and the rewards

Observations and hiring trends from industry professionals

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Who’s taking care of the mortgage while you’re taking care of yourself?

Getting sick wasn’t something Bob and Joan considered in their financial plans. Then Joan was diagnosed with cancer.

Bob and Joan discovered the hard way that treating and coping with illness can mean significant unexpected costs the typical family’s finances may never recover from. It would be a different story if they had included Critical Illness insurance in their financial plans.

Critical Illness insurance is designed to help pay these costs so you don’t need to dig into your retirement savings and investments – or worse, go into debt – to cover expenses. It provides cash if you’re diagnosed with one of up to 18 covered conditions and you survive the waiting period. You can use this cash to pay your rent or mortgage, cover your regular household bills or pay for additional medical costs not covered by private or government health plans. The choice is yours.

**Significant impact on savings**

Joan was 42 when she was diagnosed with cancer. While in active treatment, Joan was on long-term disability from her $65,000-a-year job. Bob cut back his hours to help out more at home. Since they still had a $96,200 mortgage, this made their monthly budget tight. Ultimately, the unexpected expenses associated with Joan’s illness forced them to renegotiate their mortgage.

Bob and Joan had planned to retire when Joan turned 62, after their youngest child completed her post-secondary education. Without Critical Illness insurance, that goal became unrealistic. Here’s their revised financial picture.

<table>
<thead>
<tr>
<th>Monthly Expense</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mortgage – increased from $96,200 to $150,000 @ 6.25% (25-year amortization)</td>
<td>$1,000</td>
</tr>
<tr>
<td>Car payments and gas</td>
<td>$700</td>
</tr>
<tr>
<td>Regular household bills (utilities, taxes, groceries, clothing)</td>
<td>$3,000</td>
</tr>
<tr>
<td>RRSP contributions</td>
<td>$1,000</td>
</tr>
<tr>
<td>RESP contributions</td>
<td>$500</td>
</tr>
<tr>
<td>Total</td>
<td>$6,200</td>
</tr>
</tbody>
</table>

No one knows if they will ever need Critical Illness insurance. But if you have it, you’ll have peace of mind knowing it will let you focus on what really matters … getting better.

Bob and Joan’s monthly net income is $6,500, leaving only $300 for expenses such as car and home repairs, gifts, entertainment and all other family expenses. They know they’ll need to reduce their RRSP contributions most months to make ends meet.

A Critical Illness benefit of $100,000 would have given them the cash to pay all recovery costs AND reduce their mortgage to $50,000, freeing up extra money to use as they wished.

<table>
<thead>
<tr>
<th>Bob &amp; Joan’s Annual Lost Income and Recovery Expenses</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Difference between Joan’s regular income and income provided by group disability insurance</td>
<td>$16,900</td>
</tr>
<tr>
<td>Net Income (before her illness): $65,000 less tax* = $42,250</td>
<td></td>
</tr>
<tr>
<td>Taxable Disability Income: $65,000 X .6 = $39,000 less tax* = $25,350</td>
<td></td>
</tr>
<tr>
<td>(Lost income during her disability elimination period is not included in this estimate)</td>
<td></td>
</tr>
<tr>
<td>Bob’s lost yearly income (from cutting back his hours)</td>
<td>$20,000</td>
</tr>
<tr>
<td>Travel to and from treatment (gas and parking costs)</td>
<td>$5,100</td>
</tr>
<tr>
<td>Medical equipment (special bed)</td>
<td>$1,800</td>
</tr>
<tr>
<td>Cost of drugs and supplements not covered by Bob and Joan’s health plans</td>
<td>$7,000</td>
</tr>
<tr>
<td>Additional help with household chores</td>
<td>$3,000</td>
</tr>
<tr>
<td>Total additional expenses</td>
<td>$53,800</td>
</tr>
</tbody>
</table>

* Assumed tax rate of 35%.

Engineers Canada-sponsored Critical Illness Insurance offers you 10% savings on coverage of $125,000 or more, offering you even more value for your money. To find out more and apply online, visit: www.manulife.com/OT

Or speak to a Customer Service Representative toll-free at 1 877 598-2273 Monday through Friday from 8 a.m. to 8 p.m. ET.

Manulife Financial
The Manufacturers Life Insurance Company
features

14 Sharing the risks and the rewards  by Sharron Leonard
Observations and hiring trends from industry professionals

18 Non-traditional career paths  by Melissa Thurlow
OACETT members pursue lifelong education and take the road less travelled

columns

4 The first word  by David Saunders, B.E.S., C.E.T.
Increasing member value one step at a time

22 Learning curve  by Jennifer Nicholls
Competition heats up for St.Clair College

24 Safety first  by Steven Johnson, CRSP, OHST, C.E.T.
Three roads to safety

departments

5 OACETT in action
Celebrating 25, 40 and 50 years of membership; recent complaints and disciplinary decisions; Fletcher Foundation champions technology students; National Engineering Month 2010; and more!

25 New members
Recognizing new and certified technicians and technologists

28 InfOACETT
Events and news from association regions and chapters
Increasing member value one step at a time

In leading a large association in an increasingly complex world, one learns that achieving results takes time as well as perseverance and patience. I want to highlight two examples of major undertakings that have required significant human and financial commitments in recent years that we expect will benefit the membership and the public in the near future.

For the past two years, we’ve been working diligently with a consortium of companies who employ large numbers of our members to petition for changes in provincial regulations that discriminate against Certified Engineering Technicians and Technologists. Namely, the regulations exclude our members from performing limited electrical work in such areas as building automation and in manufacturing facilities. Despite being rebuffed by the government, we are organizing a series of meetings with MPPs and will be appearing before the Justice Committee which is holding hearings into Bill 183 to secure changes to the legislation. If the changes we are hoping for are made, exemptions will permit limited electrical work to be undertaken safely and competently by our certified members as is the case in many other provinces.

After years of protracted and difficult negotiations, we appear to have reached a national consensus among the sister associations for ratifying a new agreement to change how our national federation, the Canadian Council of Technicians and Technologists (CCTT), operates. We’ve made no bones about Ontario members paying too much of the freight, but in the Council’s opinion receive little value.

I hope and expect, with the ratification of a new national agreement at the CCTT AGM in October, that we will see immediate improvements including: a new national trademark agreement protecting the use of your designations (i.e. C.E.T., A.Sc.T. and C.Tech.); better economy at the national head office with a focus on fewer, more tangible activities to advance the members’ interests; and a recommitment to the enhancement and maintenance of the National Technology Benchmarks which are considered essential to national accreditation and important to Ontario’s college system.

As always, your thoughts and comments are appreciated. Please contact me at president@oacett.org.

Sincerely,

David Saunders, C.E.T.
President

When it comes to our national federation, Ontario members pay much of the freight.
Celebrating 25 years of membership with OACETT

I joined OACETT as a member 25 years ago and earned my C.E.T. designation in 1987. Since then, many opportunities have become available to me that I might not have had, including the chance to work on a variety of energy-related projects. I have spent much of my career in the energy conservation sector and am currently involved in a two-year project with the York Catholic District School Board and the Ministry of Education to coordinate energy incentives and rebates for all 72 publicly-funded school boards across Ontario.

I can remember when I first joined the association, reading about members with 25 years or more in The Ontario Technologist and wondering if I would make that milestone, and here I am 25 years later.

I am very proud of my designation as a Certified Engineering Technician and over the years I have used the designation whenever possible.

Thank you OACETT for your dedication and hard work. I appreciate your support.

Robert Smith, C.E.T.
Aurora, ON

Learning as a life-long pursuit

Most of us look back on our post-secondary education with fond memories, I know I do. Those years help shape students into adults and give them the tools and knowledge that they need to succeed in “the real world.”

For some members, those days are still fresh in their minds. Others have had fulfilling careers for decades since then. For all of you though, I hope that you’ve continued to pursue education and professional development in the years that have passed. There are always new things to learn, whether it be for a job you do everyday or for a skill that you would like to improve on a more personal level.

In this issue, we speak to members who have taken on non-traditional roles in the course of their careers. All have made continuing education a priority and have set themselves apart in the process. We also hear what employers are looking for in potential hires and the importance they place on certification.

We also learn about college students who, after putting their technical and teamwork skills to the test, discover that they have what it takes to persevere and compete with top talent from around North America.

We recently celebrated the successes of 29 people who have definitely set themselves apart. On October 2, we held our bi-annual Awards Gala and recognized those who have made an outstanding contribution to our industry. The next issue of The Ontario Technologist will feature stories on what they did to receive their awards.

Have you continued to pursue education throughout your career? Do you have an accomplishment that you are particularly proud of? Drop me a line and let me know about it. Perhaps you know of a person or organization that deserves some accolades for their work in the industry. Our Awards program of accepting nominations right now with a deadline of December 31, 2009.

You can contact me at mthurlow@oacett.org or 416-621-9621, ext. 228.
# Upcoming Course Schedule - 2009

## Chemical
- Distillation .......................................................... November 16-19 Sarnia

## Civil
- Total Building Commissioning and Recommissioning Process .......................... September 21-23 Mississauga
- Evaluation of Bridge Condition for Safety and Bridge Rehabilitation .................. October 1-2 Mississauga
- Geotechnical Aspects of Pavements ................................................................. October 1-2 Mississauga
- Principles and Applications of the Global Positioning System .......................... October 15-16 Mississauga
- Combined Sewer Overflow .................................................................................. November 9-10 Mississauga
- Sinkhole Conditions and Site Development with Related Case Histories .............. November 16-17 Mississauga
- Design of Equipment Foundations ..................................................................... Nov 30 - Dec 2 Mississauga
- Design and Analysis of Earth Retaining Walls .................................................... December 9-11 Mississauga
- Structural Steel Connections - Design, Detail and Specifications ......................... December 10-11 Mississauga

## Electrical
- Power Switchgear Equipment ................................................................................... October 5-7 Mississauga
- Industrial Electrical Safety .................................................................................... October 19-21 Mississauga
- Ontario Electrical Safety Code .............................................................................. November 12-13 Mississauga
- Electrical Power Distribution System Equipment and Maintenance ..................... November 25-27 Mississauga

## Environmental
- Water Supply Systems Security .............................................................................. Sept 28 - Oct 1 Mississauga
- Greenhouse Gases and their Impact on Engineering Projects and Process Plants .... October 20-21 Mississauga
- Modelling Air Emissions For Compliance - A Hands-on Workshop ..................... October 28-30 Mississauga
- Nutrient Removal in Wastewater Treatment............................................................ November 2-4 Mississauga
- Environmental Site Assessment and Remediation .................................................. November 5-6 Markham
- Achieving Water Quality Standards by Effective Stormwater Management .......... November 9-10 Markham
- Understanding Environmental Regulations ......................................................... November 25-27 Markham

## General
- Creating and Managing a Compliance Program ..................................................... September 24-25 Mississauga
- Performing Economic Evaluation of Projects ...................................................... October 15-16 Mississauga
- Avoiding Construction Claims by Improving the Quality of Drawings, Specifications and Bidding Documents Prepared by Owners and Consultants ................................. November 2-4 Mississauga
- Foundations of Construction Law ........................................................................ November 19-20 Mississauga

## Industrial & Mechanical
- Layout and Design of Process Plant Equipment and Piping Systems .................. September 15-18 Mississauga
- Complying with Occupational Exposure Limits ................................................... September 17-18 Mississauga
- Environmental and Occupational Health and Safety Management System Audits .......... September 21-23 Mississauga
- Understanding Industrial Codes, Part I - ASME Section 8 (Pressure Vessels) and Section 5 (Non-Destructive Examination) ......................................................... September 28-29 Mississauga
- HVAC System Design and Implementation - New and Retrofit .......................... October 13-15 Mississauga
- Compressors and Pumps: Selection, Applications, Operation, Troubleshooting, and Maintenance .......................................................... October 19-23 Mississauga
- Pre-start Health and Safety Review ....................................................................... October 26-27 Mississauga
- Boiler Plant Optimization ....................................................................................... November 12-13 Mississauga
- Building Control Systems ...................................................................................... November 24-27 Mississauga
- Materials of Construction for Process Equipment and Piping Systems - Selection and in-Service Performance .................................................. November 24-27 Mississauga
- Pre-start Health and Safety Review ....................................................................... December 18 Mississauga

EPIC offers online courses in the following areas: Information Technology, Business and Management, and Engineering. For more information, please visit www.epic-edu.com and select “Online Courses”.

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EPIC courses are available on-site at your location and they can be customized to suit your specific requirements. For more information on these programs, please visit our website at www.epic-edu.com or call Tim Chung at 1-888-374-2338 ext 242 or email him at tchung@epic-edu.com.

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Celebrating 25, 40 and 50 years of membership!

This listing represents those who have reached their milestone between June 26, 2009 and August 26, 2009.

25-year members
Bruna Abatecola, C.E.T.
Ajaz Ahmed, C.E.T.
James Barron, C.E.T.
Mark Bartolucci, C.E.T.
Philip Bergen, C.E.T.
Sava Bibic
Everett Black, C.E.T.
Christopher Blackwood, C.E.T.
Phillip Cancilla, C.E.T.
Edmond Cayouette, C.E.T.
George Chapman, C.E.T.
Sergio Cipriani, C.E.T.
Leanne Cunliffe, C.E.T.
Moez Danji, C.E.T.
Donnelly Date
Edward Dennis, CST
Nick Dronyk, C.E.T.
Frank Falcone, C.E.T.
Marvin Finkel, C.E.T.
George Fox, C.E.T.
Peter Frappa, C.E.T.
Scott Garton
Robert Gatt, C.E.T.
John Gauvreau, C.E.T.
Joe Giaichetta
Scott Ginther
Manuel Jacome da Costa, C.E.T.
Rick Leung, C.E.T.
Steven Lonz, C.E.T.
Karl Loorand, C.E.T.
Vito LoPiccolo, C.E.T.
J. G. MacMillan, C.E.T.
Sivagnanasundaram Maheswaran, C.E.T.
John Maloney, C.E.T.
Paul Manna, C.E.T.
Harold Marsden, C.E.T.
Evangelos Mavrogiannakis
Kendrick McKaigue, C.E.T.
Robert McLean
Willy Meyer, C.E.T.
Thomas Murphy, C.E.T.
Terry Mutton, C.E.T.
Richard Niiranen, C.E.T.
Gary Nisbet, C.E.T., CST
George Noyes, C.E.T.
Frank Paolo, C.E.T.
Stephen Pearce, CST
Gregory Pell, C.E.T.
Gregory Phelps, C.E.T.
Bernhard Picard, C.E.T.
Gregory Proctor, C.E.T.
Rocco Schiavone, C.E.T.
Geoffrey Slocombe, C.E.T.
Jacob Smit, C.E.T.
Kevin Stewart, C.E.T.
Glenn Sunderland, C.E.T.
James Thibault, C.E.T.
Jim Tiessen, C.E.T.
David Timleck, C.E.T.
Dale Valentine, C.E.T.
Ronald Vance, C.E.T.
Wayne Vizniowski, C.E.T.
Frank Wassmer, C.E.T.
Jack West, CST
Erik Zutis, C.E.T.

Douglas Good, C.E.T.
David Haaney, C.E.T.
Murray Hall, C.E.T.
Roy Harper, C.E.T.
Derek Harper, C.E.T.
Anthony Heynsbroek, C.E.T.
Denis Hollands, C.E.T.
Theofanis Karagounis, C.E.T.
Peter Lawrence, C.E.T.
Roman Marley, C.E.T.
Albert Marsman, C.E.T.
Richard Osborne, C.E.T.
Gideon Silverthorn, C.E.T.
John Snell, C.E.T.
John Terler, C.E.T.
Lorne Thurston, C.E.T.

50-year members
T.W. Agapas, C.E.T.
Frank Alusio, C.E.T.
Anthony Challinor, C.E.T.
Frederick Cook, C.E.T.
William Cooke, C.E.T.
Norman Goddard, C.E.T.

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OACETT rings are exclusive to OACETT certified members. The sterling silver gear cog with maple leaf inset identifies you as a technology professional. Order yours today!

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Address: _________________________________________________________
City: ____________________________ Prov.: _____ Postal code: ___________
Membership #: ________________________ Ring size: __________
Please see a jeweller to confirm your ring size. Available in 1/2 size increments.
☐ Cheque enclosed Please make cheque payable to OACETT.
☐ Visa ☐ Mastercard
Card #: ____________________________ Exp. date: __________
Signature: ________________________________________________________
Fax to 416-621-8694 OR Mail form and cheque to:
OACETT, 10 Four Seasons Place, Suite 404, Toronto, ON, M9B 6H7
A complaint was received by OACETT's Registrar on April 27, 2009 alleging conflict of interest against Mr. Dean Card, a certified technician member. It was alleged that while working on a Ministry of Transportation of Ontario contract as the contract administrator, Mr. Card allowed a truck jointly owned by himself and a relative to be used on the contract that he was overseeing. In accordance with OACETT's Bylaws, the complaint was referred to the Complaints Committee for resolution.

**Decision of the Complaints Committee**
The Complaints Committee met on June 1, 2009 and found that “sufficient evidence exists that a conflict of interest has occurred.” The Complaints Committee therefore referred the complaint to a Discipline Committee in accordance with the association's Bylaws.

**Decision of the Discipline Committee**
The Discipline Committee set a hearing date of July 15, 2009 to hear the complaint. Prior to the hearing, Mr. Card advised that he would not be attending nor would he be sending a representative.

The evidence presented to the Discipline Committee demonstrated that Mr. Card was the contract administrator for the project and that he was a co-signer on a lease for a truck. This truck, operated by Mr. Card's relatives, was employed by a subcontractor and used on the job that Mr. Card was overseeing as contract administrator. Mr. Card was aware that the said truck was employed on his job site. However, he did not report this fact to his employer or to the Ministry of Transportation.

The Committee held that Mr. Card should have brought it to his employer's attention that a truck on the project where he was the contract administrator was co-leased by himself and a relative. Although the Discipline Committee was advised that there was no evidence that Mr. Card personally benefitted from the use of the truck, it found Mr. Card guilty of professional misconduct. Specifically, the Discipline Committee held that Mr. Card was in breach of section 7.1.3, subsection (4) of the Association's Code of Ethics for:

1. Not providing full disclosure of the circumstances concerning the conflict of interest to his employer or client; and
2. Failing to avoid a conflict of interest where such conflict arises.

**Penalty**
The Discipline Committee directed the Registrar to:

1. Suspend Mr. Card's OACETT designation of C.Tech. for the remainder of 2009;
2. Suspend Mr. Card's road construction designation of rcca for a period of 12 months; and
3. Publish the findings with the member's name in *The Ontario Technologist*.

Mr. Card's designations can only be reinstated after he submits a written letter of apology and acknowledgement of his actions.

Mr. Card was notified of the Discipline Committee's decision and his designations have been taken away.

**THREE LARGEST PROVINCIAL ASSOCIATIONS MEET IN EDMONTON**

On September 2nd and 3rd, 2009, a number of firsts occurred in Edmonton. The Presidents of OACETT, ASET (Alberta) and ASTTBC (British Columbia) met to discuss common issues and positions, including how the three largest provincial associations can cooperate together in advancing issues to benefit the membership and to work together to promote the development of the national federation, the Canadian Council of Technicians and Technologists (CCTT). More details will be forthcoming but at the upcoming CCTT AGM in Moncton, New Brunswick in October, the recommendations of the CCTT 3rd Party Review will be considered and hopefully adopted by the provinces which will improve the functioning of CCTT. OACETT has committed significant resources both financially and through volunteer time this past year to build support across the country for change in how CCTT operates.

In addition to the three Presidents meeting, the three Executive Directors, David Thomson of OACETT, John Leech, A.Sc.T., CAE, of B.C. and Barry Cavanaugh of Alberta met separately. For the first time, the three Executive Directors spent the day with their Professional Engineer counterparts from Ontario, Alberta and British Columbia. The group, which included Kim Allen, P.Eng., from PEO, Neil Windsor, P.Eng., from APEGGA and Derek Doyle, P.Eng., from APEGBC, discussed common issues and avenues of future cooperation between technicians and technologists and professional engineers. The six Executive Directors have agreed to meet again in 2010.
Members on the move

Lyle A. Ball, C.E.T., GSC, has been appointed Vice-President and General Manager of Scott Builders Inc’s new Southwestern Ontario office in Milton. Lyle brings to his new position over 30 years of construction experience – most recently as the owner of Grassmere Construction Ltd. He is currently a member of the Woodstock Economic Development Committee and has served as the past chair of the Tillsonburg Industrial Commission and past president of the Tillsonburg Lions Club.

C. Charles Brimley, M.Sc., B.Ed., A.Sc.T., has recently become the CEO of the Canadian Association of Laboratory Accreditation Inc. (CALA), a non-profit laboratory accreditation body. CALA members participate in rigorous programs of inter-lab comparisons and on-site assessments based on international (ISO) standards. Before taking on this new role, Charles held the position of Executive Director at the Canadian Plastics Sector Council for seven years. He is also an active executive member of the Canadian Society of Association Executives.

Glen W. Cameron, C.E.T., started a new position at the Corporation of the City of North Bay, as an Engineering Technician I, in the Engineering Drafting Department. He previously worked for over 12 years as a Technical Support Manager with MicroSurvey Software, Inc. in Westbank, B.C. His new position stems from a recent posting on www.cten.ca.

Jeff Forgeron, C.E.T., has joined CTV broadcast network as the Transmission Engineering Manager in Toronto. Prior to joining CTV, he was employed by Global Television for 25 years and worked as the Supervisor of the Transmitter Department.

Pedro Gonzalez, C.E.T., is the new Vice-President of Cementation South America, a Murray & Roberts company. For the past six years he served as the Area Manager overseeing the Xstrata Nickel Rim South project for both Hatch and Cementation in Sudbury. In his new role, he will relocate to Chile.

Rachel Graham, C.E.T., has accepted a new position with the City of Barrie as a Project Technologist. Previously she worked for five years as a Design Technologist at C.F. Crozier and Associates Inc.

Mokammel Hossain, C.E.T., rcji, accepted a new position working for the Region of Durham as an Inspector. Previously Mokammel worked as a Site Inspector for Soil Probe Ltd., a geotechnical consulting and testing firm. He also recently completed his C.E.T. designation after passing the professional practice exam last November.

Harry P. Latchman, C.E.T., recently joined the Xerox Research Centre of Canada as an Instrumentation and Control Technologist. He is responsible for all instrumentation and controls activities associated with the state-of-the-art pilot plant. His prior position was with Teknion Corporation as an Industrial Controls Technologist.

Anil Pasnani, B.Eng., A.Sc.T., rcca, is now a Senior Project Manager with Bruno’s Contracting Ltd. in Thunder Bay. Before starting his new position, he worked for Genivar as a Senior Inspector, Construction for over two years.

Robert Smith, C.E.T., has been hired by the York Catholic District School Board as the Incentive Programs Advisor. In collaboration with the Ministry of Education and the Ontario Power Authority, he will coordinate incentive funding for all 72 publicly-funded school boards in Ontario. Previously Robert was a Project Coordinator at Toronto Hydro Energy Services for 10 years working on several different projects involving equipment maintenance, electricity and natural gas commodity contracts.

Shawn Wessel, A.Sc.T., rcji, has taken a new job with GRG Building Consultants as a Project Coordinator in Ottawa. GRG provides building envelope consulting services for the condo corporation clientele.
The Fletcher Foundation offers a $350 scholarship annually to one applied science or engineering technology student in his or her second year of studies at each of Ontario’s colleges.

In addition to the funds, the foundation presents recipients with a certificate of recognition and each college receives a plaque to display the names of its scholars.

The foundation, a registered charitable organization, managed and operated by a Board of Trustees, first awarded scholarships in 1987. Since then, it has recognized 294 students for excellence.

Association members approved the audited financial statements at the 2009 annual meeting as presented in Grand Bend. They also approved the motion that OACETT reappoint BDO Dunwoody as auditors for the foundation until the 2010 annual general meeting. There was general support from the floor after the Fletcher Foundation report was given at the AGM to increase the amount of an individual scholarship up to $1000. This will mean fewer scholarships and your foundation board will be reviewing the criteria for eligibility and hope to have it implemented in time for next year’s program.

Members agreed that OACETT appoint Walter Spence as Chair, and Mazin Audeh, Alex Lunycz, Floyd Moore and Arjun Rana as trustees of the Carole and George Fletcher Foundation until the next annual meeting.

In the upcoming term, the trustees will be reviewing and updating award levels and evaluating ways to have more of the colleges participate in this scholarship program. From our existing By-Law 18: “the Association may establish foundations to reflect its responsibility to the public for the betterment of humanity.” We also seek your comments and suggestions in making the award program more visible in the community colleges. Your trustees are also working with OACETT staff.

### 2009 Carole and George Fletcher Foundation Scholars

**Aline O’Brien**  
Boreal College  
Chemical Laboratory and Environmental

**Ben Turner**  
Lambton College  
Instrumental & Control Engineering Technology

**Christopher Konopka**  
Humber College  
Chemical Engineering Technology

**Cynthia Manurung**  
Niagara College  
Electrical Engineering Technology

**Daniel Bertrand**  
Algonquin College  
Civil Engineering Technology

**Elisa Knight**  
Fanshawe College  
Environmental Technology

**Jessica DeWaepenaere**  
Cambrian College  
Civil Engineering

**Joshua Uttaro**  
Canadore College  
Computer/Information Technology

**Kelly Nesland**  
Durham College  
Environmental Technology

**Kiflom Yosef**  
Conestoga College  
Electronics Engineering

**Laura Jane Salmon**  
Mohawk College  
Chemical Engineering Technology

**Scott Villeneuve**  
St. Lawrence College  
Civil Engineering Technology

**Stephen Norman**  
Northern College  
Welding Engineering Technology

**Thomas A. Bilodeau**  
Loyalist College  
Civil Engineering Technology

**Tyler Kempt**  
Sir Stanford Fleming College  
Computer Engineering

**Quency Jaca**  
Seneca College  
Electronics & Computer Engineering
to find more streamlined ways of making donations to the Foundation as part of your annual planned giving.

Support our technology students
The Carole and George Fletcher Foundation Scholarship program and the Degan Award are made possible by the generosity of corporate and individual contributors supporting excellence in education. Each academic year, technology students count on the foundation and our contributors to build the scholarship fund account, and we encourage you to include this worthy cause in your annual planned giving.

The Carole and George Fletcher Foundation is a registered charitable association and issues receipts for tax deduction purposes (Ont. Corporation Annual Return Number #001089162). Your donation will be recognized in a list of contributors published in The Ontario Technologist magazine, with our appreciation. Send your donation to OACETT; to the attention of Rozalia Mazur or check off the appropriate box on your membership renewal for 2009.

On behalf of everyone involved with the foundation, I congratulate the winners and wish them good luck in their future endeavors. I wish to thank all of our corporate and individual donors for making this scholarship program possible.

Walter Spence, C.E.T., is chair of the Carole and George Fletcher Foundation.

Abdallah Panolin  
Adorado Labrador, C.Tech.  
Ahmad Shabazz, C.E.T.  
Aladdin Calvo, C.E.T.  
Alakesan Appadurai, C.E.T.  
Alan Snider, C.Tech., rcca  
Alexander Plepyla, C.E.T.  
Alexandra Wennberg  
Algota Family Services Foundation  
Allan Cobham, C.E.T.  
Anantha Krishna Bukkaraya Samudram  
Andre Buzbuzian  
Angelo Innocente, C.E.T.  
Anthony Incitto  
Antonio Carraubau, C.E.T.  
Antonio Roberto  
Antonio Vasapoli  
Arjun Rana, C.E.T.  
Arthur Szilwoski, C.E.T.  
Arulvathany  
Sivaskandarajah, C.Tech.  
Asif Khan, C.Tech.  
Barry Payne  
Bertrand Bernche, C.E.T.  
Bipin Modi  
Blake Morrison  
Bob Barnes  
Bruce Foden, C.E.T.  
Bruce Wells, C.E.T.  
Carlos Gomes  
Chan Huynh, A.Sc.T.  
Charles Chan, C.E.T.  
Cristian Melnic  
Daniel Beemer, C.E.T.  
Daniel Kociancic  
David Holmes, C.E.T.  
David Lafleche  
David Paradis  
David Schmidt, C.E.T.  
David Skufca, C.Tech.  
David Sloan, C.E.T.  
David Stavinga  
David Tsang, A.Sc.T.  
David Wylie, C.E.T.  
Derick Kent  
Dhiren Barot, A.Sc.T.  
Dinesh Parmar  
Dominic Pomante, C.E.T.  
Don Dewar  
Don Woodlock, A.Sc.T.  
Donald Adams, C.Tech., rcji  
Donald McArthur  
Donato Colangelo, C.E.T.  
Dumitru Chiriac, C.E.T.  
Dustin Waite, A.Sc.T.  
Edan Garcia, C.E.T.  
Edgar Barquin  
Edgar Salvador, A.Sc.T.  
Edward Foster, C.E.T.  
EliaS Sajonia, C.E.T., rcji  
Ernest Arsenault  
Fani Goltios  
Fei Di  
Ferdinand Aquiatan  
Ferik Zujovic, C.E.T.  
Flavio Mazzer, C.E.T.  
Frank Figliuzzi  
Frank Forgues  
Frederick Sherpley, C.E.T.  
Gabriel Vasiliscu, C.E.T.  
Gennady Vasilyev, C.Tech.  
George Fletcher, C.E.T.  
George Galbraith, rcsi  
George Gould  
Gilles Laroche, C.E.T.  
Glenn Robillard  
Goncalo Lando Malungo  
Greg Lee, C.Tech.  
Greg McLeod  
Gregory Buzbuzian  
Gregory Gilbert  
Gregory Junnor  
Guy Lavallee, C.E.T.  
Hariprasad Rao Nutalapati  
Harold Massi, C.E.T.  
Harpreet Singh  
Ho-Ming Ho, C.E.T.  
Irena Pylipv  
Ivan Barrera Gonzalez  
Ivan Buzbuzian  
Ivan Desroches, A.Sc.T.  
J Brent Burnell  
Jalour Brar  
James Anderson, C.Tech.  
James Burn, A.Sc.T.  
James Callery  
James Hendricks, C.E.T.  
James Pickett, C.E.T.  
Jean Champagne, C.Tech., rcji  
Jeffrey Garner, C.E.T.  
Jessica Aird, A.Sc.T.  
Johannes Panasiuk, A.Sc.T.  
John Kosaras  
John Lockyer  
Jose Merope Meneva  
Jose Romualdo Ybarola, C.E.T.  
Joseph Major, C.E.T.  
Joyce (Sue) Kennedy  
Julian Mendoza  
Kadiri Oyekunle  
Kanwalpreet Aneja  
Kelvin Jankowski, A.Sc.T.  
Kevin Gould  
Kevin Moriarty, C.E.T.  
Klaas Huisman, C.E.T.  
Lance Dutchak  
Larry Moulton, C.E.T.  
Laurie McVittie  
Leslie Noor  
Linda Lockyer  
Linda McGuire  
Louise Tofan  
Luisa Del Rosario  
Marc Maia, C.E.T.  
Marco Bianconi, C.Tech.  
Marian Gheorghiu, C.E.T.  
Mark Ceppi  
Mark Scrivnick, C.E.T.  
Marty Todd, C.E.T.  
Masaru Tsujita  
Matthew Aston, C.E.T.  
Matthew Truong  
Maurizio Costabile, C.E.T.  
Mayur Modi  
Mei-Ling Fong  
Michael Case  
Michael Macri  
Michael Pappas, C.E.T.  
Michael Perger, A.Sc.T.  
Michael Sharp, A.Sc.T.  
Michael Street  
Michael Sutton, C.Tech.  
Michail Chirokov  
Michel Parent, C.E.T.  
Mike Bolzon  
Mike McCrone  
Mohammad Jalali  
Moshe Shvartsman  
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Continued on page 12
MAKING THE MOVE TO 3D?

For years, 3D plant design programs were expensive and challenging to implement and use. Many still are.

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National Engineering Month 2010
is just around the corner!

By Sonya Agnew

National Engineering Month (NEM) is a cross-country, month-long celebration of engineering. Volunteers in each province and territory stage events and activities designed to increase public awareness of engineers and engineering technology. Even more important, it is designed to encourage young people to consider careers in engineering. During the event, each region across Canada chooses a week in which to hold its celebrations.

Without question, NEM 2009 was a huge success. In Ontario, dedicated volunteers conducted over 100 events in dozens of communities. Over 30,000 children, teens and adults discovered their “inner engineer” and saw how engineering and technology contribute to society. Communications and media coverage delivered many positive messages about engineering and technology to a broad cross-section of Ontarians.

This year also witnessed the launch of a new NEM project with Engineers Without Borders and Toronto Public Libraries where students in grades six through eight learned about the crucial role Canadians play in protecting and managing global water resources.

In Ontario, NEM 2010 will take place from February 27 to March 7. Under the “Design the Future” theme, we are expanding our programs even more to broaden the scope and appeal of engineering to the public. We also hope to inspire young minds to seek creative engineering and technical solutions to solve our most pressing issues, as well to enrich our everyday lives.

“National Engineering Month is a wonderful opportunity to get involved and have lots of fun at the same time,” said Holly Anderson, P.Eng., Chair of the National Engineering Week Ontario Steering Committee (NEWOSC). “We certainly appreciate all the time and effort our volunteers put into NEM, helping to enhance the image and impact of engineering and engineering technology, especially among our young people.”

Volunteers interested in organizing or taking part in a NEM activity in 2010 can visit the official NEM website at www.engineeringmonth.on.ca. Volunteers are needed for the informative Engineers Without Borders workshops, the fun and challenging K’NEX workshops, and to lend a hand as new activities are added.

Sponsors looking to benefit from the brand exposure that NEM provides are most welcome to help support NEM’s events. You can find more information at the website.

The five members of NEWOSC are the Ontario Society of Professional Engineers (OSPE), Professional Engineers Ontario (PEO), Consulting Engineers of Ontario (CEO), the Ontario Association of Certified Engineering Technicians and Technologists (OACETT), represented by Jelbert Real, P.Eng., C.E.T., and the Ontario Science Centre.

Let’s all get involved. Help us spread the word about the great work that engineers and engineering technicians and technologists do every day to make this world a better place.
Sharing the experience
and the results

Observations and hiring trends
from industry professionals

By Sharron Leonard

One of OACETT’s six strategic priorities is Employer Outreach. Companies in our industry are an integral part of our business and forging relationships with them is very important to OACETT. We have met with numerous companies over the past two years and the good news is that they do value OACETT certification and fully acknowledge that by having employees with credentials such as certification provides them with a competitive advantage.

Building these relationships also provides OACETT with the opportunity to learn about these businesses and what they are looking for when recruiting new employees. We learn first-hand the human resource trends within our industry. Here, we talk to several companies who share their views with us.

Aker Solutions
Colin Bradley, C.E.T.
Director, Commercial Services and General Manager

Aker Solutions is a leading global provider of engineering and construction services, technology products and integrated solutions. The businesses within Aker Solutions are comprised of several industries, including oil and gas, refining and chemicals, mining and metals, and power generation. We employ approximately 23,000 people in about 30 countries.

I have been a member of OACETT for over 20 years, I know first-hand how OACETT certification can contribute to your career goals and also benefit your employer. Having these credentials is a great way to obtain recognition and acceptance amongst peers, clients, and the industry in general.

Aker Solutions encourages our employees on a continuous basis to upgrade their skills and training. Our business is a global one, and one of our major selling features is to be able to offer clients people with specific or special skills from within a global resource pool.

From my perspective, becoming certified should be a personal goal and not something you do because your employer asks for it. Taking the time and effort—and many times the expense—to become certified and maintain credentials conveys a message that you care about your professional development. This is important when you are standing amongst your peers.

In our industry, as an individual’s career develops, we are seeing a need to develop “softer,” more abstract skills such as project management and people management skills. Technical competency inside a given engineering discipline is one thing, but you also need these other skills to progress in your career.

At Aker Solutions, we usually take it as a given that prospective employees have the neces-
risks

Rewards
ary technical grounding. What we often see is a lack of the more fundamental skills such as effective communication. In our business, much of what we do ends up in the form of reports that must communicate both technical and non-technical information in a meaningful way. Candidates who display abilities in these areas, in addition to their technical credentials, will always be in demand.

Ethics, social responsibility and transparency are areas that Aker Solutions and I take very seriously. We have developed what we call “e-learning” courses that employees are required to take on our intranet site. The purpose is to raise an employee’s awareness of key issues and encourage continuous improvement in responding to them in our day-to-day business.

Canadian Instrumentation Services Group Ltd.
Bob Jameson, C.E.T.
Chief Executive Officer

Canadian Instrumentation Services Group Ltd. (CISG) offers calibration and consulting services from their facility located in Peterborough, Ont. CISG has earned an excellent reputation for technical ability, customer service and flexibility.

From an employer perspective, it is very important to have employees certified. It sets a standard within the company and the environment in which we operate. As an employer, I take comfort in knowing that a professional association such as OACETT is there to monitor our industry on behalf of its members.

We are a small business with 16 employees; however, I promote continuous learning and encourage all of my employees to become certified or licensed through their professional association and as a company we absorb the cost. Our employees are a key asset to our business and working together to ensure that we stay current and continue to progress is important to me. Competition today has intensified and if we want to play in the global marketplace, we need to make sure that our employees have the credentials for us to compete.

Working abroad in countries such as China not only requires technical and social skills as cultures are different, but we also need to take what we know here and integrate it with their culture. In many cases we are using our technology to advance their operations and this trend will probably continue for the next 10 to 15 years. When we bid on these jobs we need to identify the skills of our employees and the credentials that they hold — this is why certification is indispensable. With margins being so tight, competing on price alone will not guarantee that we get the job, and often it is the credentials of our employees that set us apart. Our employees give us a competitive advantage. I have a hard time understanding why a technical person would not become certified. Experience is one thing but education and credentials are another and together they are the key to success.

The essential skill I look for when hiring technicians and technologists is a capacity to be a self starter. I need employees who show initiative and are willing to do what it takes to get the job done. Sometimes this means sweeping the floor or taking a back seat and learning from someone else. The bottom line is that we work as a team. We learn from each other and we provide quality service to our customers.

Many of the technicians and technologists we talk to wish they had pursued certification years ago.

We have been successful in hiring new Canadians and with CISG competing globally, their skills and knowledge are very valuable to my company. My advice for new Canadians is to continuously work on their communication skills and work towards certification with their professional association. Getting involved with your professional association is also a great way to meet like-minded people and learn from each other.

Our customers rely on us. Being ethical in our business relationships and building a reputation on our integrity, trust and transparency is imperative.

Com Dev Ltd.
Alexandra Dumitrache
Human Resources Associate

Com Dev Ltd., of Cambridge, Ont., is a global designer and manufacturer of space hardware. Our vision is to be highly regarded as an international space company with diversified product lines and capabilities balanced within commercial, civil and military market sectors.

Our employees are important to us and they are part of our vision. Ongoing professional development is the key to our success.

We work with our employees to develop their career path and through annual performance appraisals, we discuss ongoing education and the skill sets required to advance within the company. From an employer perspective we know what OACETT’s certification process entails and the fact that education, work experience and credentials are verified as part of this process is a huge benefit to Com Dev.

We hire from all over the world and we are open and transparent in our hiring practices. We assist internationally educated professionals by offering English as a second language programs in-house. Our employees often work on projects in teams and need strong communication skills to communicate effectively in our environment.

We hire new graduates from the college electronics and communications
programs and we value the co-op work experience that they bring with them. In the past year, we’ve hired 65 engineers and technologists. We are always looking for candidates who have the education and experience and fit well within our culture.

OACETT certification is encouraged at ComDev as it gives the employees an extra credential which, in turn, assists them in their career development. We also value the networking opportunities available through OACETT’s local chapters since it gives our employees the opportunity to learn from each other and gets them involved in their professional association. We provide our employees with “Lunch and Learn” sessions which have proven to be very successful, as they are delivered efficiently to a larger group.

All companies want to have the best talent. Sometimes we can recruit the best, but many times we create it by working with our employees and providing opportunities. With global competition and ongoing technological advances, employees need to take responsibility for their own careers and take the necessary steps to ensure that their education and experience remain relevant. We view it as a partnership and we make it a priority to identify and leverage key capabilities in our employees.

Consulting Engineers of Ontario
John Gamble, P.Eng.
President and Chief Operating Officer
Consulting Engineers of Ontario is a member organization of the Association of Canadian Engineering Companies. OACETT—certified technicians and technologists bring some very good practical know-how to help engineers solve problems on behalf of their clients. Technicians and technologists consistently demonstrate a great skill set; they demonstrate good knowledge and experience and a lot of that has to do with the OACETT certification process.

Even if there is no regulatory requirement that says employers have to hire a C.E.T., C.Tech. or an A.Sc.T., the fact is that employers, time and time again, make that conscious choice and look for certified employees.

They see value in the people that come from the community colleges and they see value in the people who are committed to the certification process. I think the market has spoken and it is very clear that the industry views C.E.T.’s and OACETT members to be an asset to the industry.

Hatch Mott MacDonald
Ray Bonin, C.E.T., G.S.C.
Senior Project Manager
Hatch Mott MacDonald focuses on the transportation market, providing services in tunnels, rail and transit, bridges and highways, and aviation. Our vision is to become the consultant of choice in the global market place. Today, Hatch Mott MacDonald has a staff of 1,900 and operates out of over 55 office locations throughout North America.

I believe that OACETT certification enhances our credibility within the profession and provides our employees with an opportunity to expand their horizons. Employees with these credentials give the company a competitive advantage whether competing globally or here. In today’s ever-changing environment, it is essential to maintain a competitive edge and to constantly look for ways to improve our marketability.

An integral part of Hatch Mott MacDonald’s values is to promote continued education amongst its employees. We have had C.E.T.’s continue their education to become P.Eng.’s, while others have enrolled in continuing education courses relating to project management, contract administration, etc. The goal is to continue learning and we support this.

In today’s business environment the type of skills we look for are assertiveness, strong communication skills, honesty and the ability to interpret contracts and be a team player. These skills can change depending on the position and/or the individual, but in building a team these are very important.

When we hire a C.E.T. we know that we have an individual who has successfully completed specialized training in a particular field. In addition, a C.E.T. has successfully completed the professional practice exam. This exam is about law and ethics, and these are values that Hatch Mott MacDonald expects from all employees and in everyone it deals with. Because our vision is to be the consultant of choice globally, we place a lot of importance on values and that starts with our employees.

The Common Thread
I am sure you would agree that we are seeing a common theme amongst these companies:

• OACETT certification is valued.
• Ongoing professional development is a business imperative.
• Employees must take charge of their own careers.
• Softer skills such as project management and communication skills are important.
• Employees with experience and credentials give their companies a competitive advantage.
• Competition is global and skills need to be transferable.
• They are looking to recruit the best talent.

Over the past 18 months we have seen some layoffs, compensation reduced, hours cut and other cost cutting programs to keep businesses operating. While attending career fairs and trade shows, we always talk to engineering technicians and technologists and they ask us about certification. Many tell us, they wish they would have become certified years ago. They said they have learned first-hand how being certified can advance their career and be the differentiating factor between them and another person in a soft labor market. As Aker Solutions said, taking the extra step in becoming certified and/or continuing your education is a personal choice.

Sharron Leonard is the Director of Professional Affairs and Services at OACETT.
non-traditional
What drew you to your current career? Is it what you envisioned for yourself while going through school? Has ongoing education played an important role in your life since college?

You can find OACETT members in a variety of different industries and jobs, and many of them can be found on courses and in classrooms. Many of them have ended up in a place that they hadn’t planned on or even thought of.

One of those OACETT members is Lawrence Magny, GDM, A.Sc.T., who spends his days in the Niagara region surrounded by fields of grapes. As the Director of Operations at Vincor International, his education and work experience has led him to a job that he hadn’t considered when he first got started in the industry. Magny’s career began in metallurgical chemistry where he worked on the refining of cadmium and the preparation of zinc solution for electroplating in large scale operations. After relocating to the GTA he began work within the food industry in the capacity of a supervisor which led to his current position at Vincor. In his position he is responsible for the quality, production and safety within the winemaking site and the relationship and negotiations of two unions within the commercial facility which packages about 3.5 million cases of wine and refreshments each year.

Lawrence believes that his education as an Applied Science Technologist provided him with a solid technological knowledge in chemistry and the problem solving skills needed to make decisions on the preservation of products and root cause identification. He also acquired tangible skills like technical writing, mathematics and logical approaches to problem solving.

After completing the Chemical Engineering Technology Program at Algonquin College, Magny didn’t consider pursuing certification with OACETT: “I did not realize the importance of certification at the time of graduation. It was when I decided to return to school years later that I realized the importance of certification and the fact that I could not enroll into my preferred program without it.”

While learning about certification and OACETT, it become apparent to Magny that certification was something that would greatly benefit him. His quest for career and personal development also led him to complete a Graduate Diploma in Management from Athabasca University and he is presently working on an executive MBA.

“The reason for my return to schooling was first, to broaden and develop a business acumen that is required for middle to senior management roles and secondly, to prove to myself that I could achieve such goals and levels of education,” said Magny.

Magny isn’t alone in his quest for learning. According to the Engineering and Technology Labour Market Study done by Engineers Canada, the Canadian Council of Technicians and Technologists and Human Resources and Development Canada, participation in continuing professional development is exceedingly high among engineering and technology professionals. The most commonly taken non-technical continuing professional development training is in project management.

Magny is quick to encourage OACETT members to work towards such positions: “There is a great need for managers who understand the work through their own experiences, have the strong abilities to work with people and can deliver the necessary results to be competitive in today’s markets.” Magny claims that he often comes across managers who are quite effective in their chosen field, but have not diversified cross-functionally across the many business units that are required to work together and provide the organization with balance.

Bringing expertise to Canada
As a young student in Russia, Iurie Dmitrenco, C.E.T., may not have pictured himself owning a school in Canada and teaching courses on electrical and mechanical disciplines, but that is where he ended up. It goes to show that you never know where your career may take you. Dmitrenco spent 23 years...
working as the head of a process automation research laboratory and teaching electrical disciplines in a technical university before moving to Canada. Upon arriving he worked for five years as an electrical technician in industrial plants before founding a Toronto-based private career college specialized in training in electrical and mechanical disciplines. For the last seven years Dmitrenco has been the college principal and an instructor. He believes that his education and certification with OACETT has helped him tremendously in both roles.

After arriving in Canada and obtaining his certification with OACETT, Dmitrenco pursued further education by taking courses in industrial automation, power distribution and utilization and project and team management to name a few. “I needed and wanted to become competent in a variety of areas. The furthering of my education has helped me in advancing my career and I am certain it will continue to help in the future.”

Keeping abreast of the latest technologies through continuing education and pursuing certification with OACETT is something that he encourages all of his students to do. “Certification is a recognition of educational and work experience credentials and I have definitely seen that certified workers have higher wages and compensation and have more opportunities for increased responsibilities than those who are not certified,” said Dmitrenco.

On October 2, 2009, Iurie received a Blake H. Goodings Memorial Award at OACETT’s Honours and Awards Gala. He was honoured for his commitment and dedication to the association’s registration and accreditation process. He is a member of the IETO Admissions Committee and is involved in college accreditations.

As an internationally trained professional who has worked globally he feels that his certified status has helped him to be appropriately recognized throughout the world.

Taking credentials on the road
Although Michael Kursin, C.E.T., pursued technical positions through the course of his career, roles in sales and management seemed to open up to him. However, his technical skills help him in his current role as a Technical Sales and Project Manager at Aker Chemetics and Kursin feels that a person who is not technically savvy can’t do sales effectively. “As part of my role, I also provide technical service to my customers and this helps me to do both sales and management of fabrication, installation and commissioning of the equipment,” said Kursin.

In addition to being a Certified Engineering Technologist, Kursin is also certified as a Project Management Professional. He pursued Project Management certification because he felt the need to further develop his organizational skills and thought...
it would help him to work in a structured and more efficient way to achieve the goals of engineering and manufacturing projects. “My ongoing education helps me on the job. It gives me not only knowledge but also helps me develop a more systematic approach to tackling a sale, a project or a problem. It makes my job easier and less stressful and helps in completing tasks effectively.”

As for why Kursin pursued certification with OACETT, he believes it helps promote the adherence to certain standards of work and behaviour on a job. Currently most new employees at his organization are pursuing certification.

He also believes that his certification helps him when working internationally, which he often does in his job. “Learning of legal and ethical issues while pursuing certification had helped me in dealing with foreign customers,” said Kursin. “Adherence to high standards of work garners praise and repeat business from my customers.”

A Perpetual Student

For over 35 years Stuart McCrady, C.E.T., programmed mini-computers, PCs and PLCs for process control applications, a field he could have seen himself working in until retirement. When an opportunity to teach in the Manufacturing Sciences Division at Fanshawe College came to him, he jumped at the chance and has now been teaching for three years. He teaches courses on electric motors, motor control circuits and PLCs at North American Trade Schools in London, Ont. With a college diploma, OACETT certification and a diploma in personnel management, McCrady feels he is well equipped to teach and manage students.

Teaching may not have been what McCrady thought he would end up doing, but neither was working with software systems and programming. “Everyone should keep an open mind about what they would like to do in their careers,” said McCrady. “I thought for years that I would get into electronic engineering but two years after graduating, I switched paths.”

McCrady is quick to point out that continuing professional development has been crucial to his success and advancement in the process control industry and he has found that his C.E.T. status is recognized everywhere he has worked.

“It has always been my personal goal to learn as much as possible about the systems I program. I would encourage all OACETT members to keep learning; there is always more that you can learn about the field that you are in.” He also feels that it is important to keep an open mind when it comes to a person’s career path. “Certification is definitely worth pursuing and you never know where you may find yourself as it opens many doors.”

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The first North American concrete canoe competition occurred in 1971 between the University of Illinois and Perdue University. The original challenge was to build a canoe made entirely of concrete and prove the success of its design by competing in races against other concrete canoes. From this single event, concrete canoe “fever” spread throughout North America. The St. Clair College concrete canoe team first competed in this event in 1975, and with the exception of a six-year hiatus in the mid-1990s, has been a continual presence in this annual competition.

Based in Windsor, Ont., the St. Clair College concrete canoe team is unique in many ways; it is currently the only Canadian college to compete in the competition. In addition, its close proximity to the U.S. has allowed the team to complete in both the American North Central Regional competition as well as the Canadian National competition.

The competition itself is comprised of four elements which are weighted equally: the final product (the canoe itself); the races; a technical report documenting the project; and, an oral presentation of the project.

This year, 11 school teams competed in the Canadian National competition held in Montreal from May 16 to 18. At the competition were five school teams from Ontario, five from Quebec and one team from the Maritimes. For the first time in the history of the competition, St. Clair College and the University of Windsor competed as an amalgamated team. The joining of teams occurred as a result of the continual funding difficulties that both teams face. Joining as one team reduced the overall individual team costs as well as brought additional skills to the project. The name “Full Circle” was chosen for the canoe to reflect both the cyclical nature of the project and the joining of the two teams.

Significant changes were made in the canoe requirements for the 2009 races; an optimum design was given and every team was required to build their canoe to meet these specifications. In order to build a canoe, every team must conduct an analysis of the shape to determine the location and magnitude of the maximum stresses that the canoe will undergo. A concrete mix is then designed in conjunction with the planned reinforcement to be used in order to resist these stresses. The challenge of this project is to build a canoe that is engineered to withstand the vigor of competition, yet not be overbuilt, or ungainly, or unnecessarily heavy and difficult to transport and maneuver. The canoe must be initiated and completed within the eight month school year.

Design and construction of the St. Clair College/University of Windsor canoe proceeded with two concurrent directions: research and development as well as hull construction. The latter took place in four stages: basic form construction; tensioning of reinforcement across the form; concrete placement; and, the final finishing. A male form was constructed from a base form from previous years expanded with spray foam to the approximate dimensions. It was hand sanded to the interior dimensions and given a skim coat of drywall compound for smoothness. The completed form was then shrink wrapped in plastic and a full layer of ½-inch welded wire mesh was tensioned across the form with an additional partial layer of mesh spaced ¼ inch from the first along the bottom of the canoe. One-eighth inch steel rods were positioned along the gunwale and at each chine resist the calculated stresses at these points.

Concrete mix design progressed after a finite element analysis was conducted to determine maximum stresses; a combination of expanded glass spheres and ceramic spheres as aggregate was employed.
the canoe, the thickness of the concrete was designed to be ½ inch thick at the gunwale and ¾ inch on the bottom with a transition of this thickness occurring through the chine. The canoe was cast in February of 2009 over a six hour period. The concrete was mixed in small batches and hand packed to the form, then vibrated with palm sanders for consolidation. The concrete was then trowel finished and covered with a flocked plastic sheet soaked in water and allowed to cure for two weeks.

The exterior of the canoe was sanded prior to having the formwork removed. Inlay material that had been used to space the mesh away from the formwork was then removed and a white concrete mix was cast in its place to enhance the design. After sanding the canoe interior, four colours of an acid based concrete stain were used to create the overlapping circular design on the canoe. A concrete sealant and the lettering were then applied.

At the competition in Montreal, the St. Clair College/University of Windsor team placed 9th overall while achieving 5th place for the final product. St. Clair College has established a strong presence at this competition and has received continued financial support from individuals, businesses as well as the local chapter of OACETT making their participation possible. The complete final results of the CNCC can be viewed at: www.canoe.polymtl.ca/cnccb2009/en/results.html.

Jennifer Nicholls is an Associate Member and Secretary for OACETT’s Essex Chapter.
Managing the health and safety of employees stopped being a “nice thing to do” a long time ago. With the inclusion of health and safety regulatory violations being merged into the Criminal Code of Canada and the soaring costs of worker’s compensation, a well designed and functional health and safety program may mean a matter of survival for some organizations.

Managing health and safety has become a sophisticated process wherein the technological challenges of our equipment and processes need to be blended with the needs of the employees working within our workplaces. Simply instructing people to “be careful” or hanging safety posters and banners just doesn’t cut it any longer.

One approach that can be taken to manage the health and safety of employees is the “3 Roads to a Safer Workplace” model. The legal road, ethical road and business or profitability road all end up in the same place. That is, a safer and healthier place in which to work.

The Ethical Road
No one wants to see someone get hurt on the job. Although most of our intentions are altruistic, when pressure for production becomes paramount, we tend to rely on people’s common sense to keep them safe. This is when people make mistakes and tragedy often ensues. Our experience has shown that relying on “common sense” is not an effective strategy.

The Legal Road
Health and safety issues are regulated functions in Ontario. Failure to meet these legal obligations has resulted in significant financial penalties and even jail time for those convicted. The provincially levied penalties can range up to $500,000 per infraction for employers, to $25,000 and 12 months in jail for individuals found guilty of a violation.

In addition, the passing of the federal bill C45 has incorporated health and safety responsibilities into Canada’s Criminal Code. Directors and senior executives hold personal responsibility for their safety programs. In fact, worst case infractions, say for example a fatality, can potentially place a company representative in prison for life.

The Business or Profitability Road
In today’s economy, this is probably the most significant concern. Ironically, senior managers typically have little or no idea of the cost of poor safety performance. There are several key concepts to understand:

1. Worker compensation premiums are paid directly from the company’s bottom line.
2. Poor performance can result in substantial surcharges to your premium and fines for legal violations.
3. As a matter of example, in Ontario the WSIB says the average cost of a lost time accident is $74,900. If your organization is experiencing the typical 6% profit margin, an additional $1,250,000 in sales must be realized in order to recover the cost of an accident.
4. Every employer must pay into worker’s compensation. However, this premium represents only a small portion of the total cost. This premium is referred to as a direct cost, while indirect costs may include replacing the injured worker, training replacement workers, lower productivity, repair or replacement of equipment involved, etc. Safety professionals agree that for those with an effective program, this ratio of direct to indirect costs is at least 5:1.

There are many reasons why an effective safety program is necessary. Along with the moral and legal issues involved, the cost of poor performance is a primary concern. Expertise in managing these issues can greatly assist an organization’s financial viability.

Steven Johnson, CRSP, OHST, C.E.T. is President of Safety Training And Consulting Services Inc.

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RECOGNIZING NEW AND CERTIFIED TECHNICIANS AND TECHNOLOGISTS

June 2nd, 2009

Certified Engineering Technologists

Darnell Bernardo, C.E.T.
Bashir Bhutto, C.E.T.
Jason Cikatricis, C.E.T.
Ronrico Garcia, C.E.T.
Vladimir Govorov, C.E.T.
Frank Grau, C.E.T.
Svitlana Ivaniv, C.E.T.
Victoria Klyuev, C.E.T.
Vaughan Martin, C.E.T.
Nimit Mehta, C.E.T.
Cenon Rosel, C.E.T.
Christopher Smith, C.E.T.
Fernando Subang, C.E.T.
Alaksandr Tkachou, C.E.T.
Vadim Vainer, C.E.T.
Paramjit Virk, C.E.T.
James Williamson, C.E.T.

Applied Science Technologists

Teresa Chickowski, A.Sc.T.
Aaron Engel, A.Sc.T.
Leandro Miranda, A.Sc.T.
John Sweeney, A.Sc.T.

Certified Technicians

Marty Gabriele, C.Tech.
Michael Gordon, C.Tech.
Steven Jablonski, C.Tech.
Madhu Mani, C.Tech.
Joseph Sinopoli, C.Tech.

Associate Members

Suleiman Alawad
Allan Almodovar
Nidaa Alwan
Rustom Anary
Kimberly Andres
Florence Aradanans
Kelly Armstrong
Blanca Astrain
Ravinder Bajjarh
Steven Bartolacci
Marina Batchourikhina
Francois Boursiquot
Rob Bosy
Shane Bruinsma
Kyle Camarro
Jonathan Copfer
Robert Davidson
Anatoli Dermanski
Swati Dhull
Jason Directo
Steven D’Orazio
Georges Bebey Eboue
Steve Ediza
Carlos Espinosa
Jillian Ferguson
Tomasz Goral
Greni Guardia Mundaca
Hussein Hammoud
Ahmed Hassan
Adnan Hatoum
Tyler Hoskin
Lea Huab
Yasser Ismail
Charanjit Jaipulsingh
Irena Karpaviciene
Hassan Khan
Tabish Khan
Will Kinnaird
Andrey Knyazev
Steven-Michael Labus
Rosco Lee
Wookyung Lee
Tyson Lubbers
Darren Choy
Michael Maidment
Gulerana Maradukhel
Antonio Mesa
Hassan Mohamed
Roberto Monteforte
Romeo Nicolas
Ryan Norman
Taiwo Ogundare
Jorge Ortiz
Ian Osborne
Amanpreet Panesar
Samitthai Patel
Eric Peppers
Paulino Punzalan
Antonio Ribeiro
Rayya Rodriguez
Waseem Romi
Mustafa Sasal
Joshua Sequin
Chad Sergerie
Charles Takang
Salam Tappuni
Cohen Templeman
Brooke Turner
Dragos Vlasceanu
Benjamin Wall
Dongke Wu
Quan Yang
Christian Yazbek
Giacomo Zanabria

Graduate Technologists

Andrew Allen
Domenico Arcuri
Adib (Eddie) Azadeh
William Beattie
Marcel Case
Guy Charbonneau
Nathan Collins-Forrester
Emiddio Di Rienzo
Anthony Dirracolo
Patricia Estrada-Evans
Jordan Ferrone
Anthony Fiore
Cymon Gray
Amanda Hayes
Joseph Hideg
Barry Jebb
San Kim
Wade Lahti
Jason McIntosh
Joseph Palangho
Andrew Ropp
Ganesa Seväthapandian
Ping Shen
Dean Simmons
Liujun Wang
Alexander Wimbush
Kui Wu
Joseph Zaleski

Graduate Technicians

Nicholas Christian
Shaun Foster
Joel Hakh

Technical Specialists

Charles Alongi
Alpaben Amin
Zdravko (Dave) Bacic
Robert Baker
Travis Bastead
Edward Cleasby
Jeffrey Csercics
Nareshkumar Dave
Alejandro De Leon
Darrell Eailey
Gunawardena Egodawatte
David Flamenco
Humberto Fortes
Olga Garcia
Sam Gauvreau
Kimberly Hawkins
Gerry Igat
Neil Johnson
new members

RECOGNIZING NEW AND CERTIFIED TECHNICIANS AND TECHNOLOGISTS

Justin Keats
Adnan Khan
Bharat Kharel
Holly Kortelee
Katie Lindey
Julie Linton
Zhen Lu
Upendra Arachchi
Jose Medina
Sunil Kumar Mistry
Harsh Pandey
Piyushkumar Patel
Vipul Kumar Patel
Michele Petrucci

Existing OACETT Members with MTO Designation

Certified Engineering Technologists

Robert Bailey, C.E.T. rcji
Angelo Calcara, C.E.T. rcji
Joie Cunanan, C.E.T. rcji
Cam Johnston, C.E.T. rcji
Jim Mantopoulos, C.E.T. rcji
David Salewski, C.E.T. rcji

Certified Technician

Mitra Gurdin, C.Tech. rcca

Associate Members

Daniel Fallis, rcji
Muhammed Ferhatbegovic, rcji

Graduate Technicians

Lisa Dwyer, rcji
Joshua Saunders, rcji
Graduate Technologist
Thomas Bilodeau, rcji
Kevin Oakes, rcji

New OACETT Members with MTO Designation

Graduate Technician
Matthew Valiquette, rcji

Graduate Technologists

Sabrina Saley, rcji

Technical Specialist

Aaron Hovinga, rcji

July 7th, 2009

Certified Engineering Technologists

Raza Ali, C.E.T.
Cesar Jr Azucena, C.E.T.
Daniel Beaudoin, C.E.T.
Bradley de Wal, C.E.T.
Kevin Deason, C.E.T.
Carlton Dehaijle, C.E.T.
Valentin Demidov, C.E.T.
Elvin Earle, C.E.T.
Katerina Fiyalko, C.E.T.
Daniel Freeman, C.E.T.
Ajaya Gautam, C.E.T.
Harjeet Gill, C.E.T.
Gerard Gorman, C.E.T.
Trevis Hanson, C.E.T.
Fahim Hassan, C.E.T.
Jonathan Holland, C.E.T.
MD Zakir Hossain, C.E.T.
Gurpinder Hunjan, C.E.T.
Murugada Iyadurai, C.E.T.
Gerardo Jacinto, C.E.T.
Arpinder Kalsi, C.E.T.
Bryan Kowal, C.E.T.
Donovan Lewis, C.E.T.
Dennis MacInnes, C.E.T.
John Mayo, C.E.T.
Jacek Misczczak, C.E.T.
Andrew Newitt, C.E.T.
Bryn Palmer, C.E.T.
Azeem Parvez, C.E.T.
Harsh Kumar Patel, C.E.T.
Julian Santibanez, C.E.T.
Brian Sexsmith, C.E.T.

Applied Science Technologists

Anthony Gibbons, A.Sc.T. rcji
Rajkumar Sehgal, A.Sc.T. rcji
Raman Verma, A.Sc.T. rcji

Certified Technicians

Cristian Araya, C.Tech.
Muhammad Aslam, C.Tech.
Sherri Bechtel, C.Tech.
Gurjot Bedi, C.Tech.
Sukhdeep Bhangu, C.Tech.
Frank Borger, C.Tech.
Joseph Byrde, C.Tech.
Luigi Colangelo, C.Tech.
Joshua Cook, C.Tech.
Jason Dailey, C.Tech.
Jeremy DeMello, C.Tech.
Heber Errasquin, C.Tech.
James Fawcett, C.Tech.
Gregors Grinfelds, C.Tech.
Raymond Harkness, C.Tech.
Nicholas Harrington, C.Tech.
Francine Kotovich, C.Tech.
Terri Laroque, C.Tech.
Maurice Lefaive, C.Tech.
Carl MacKenzie, C.Tech.
Goran Mandic, C.Tech.
Robert Marques, C.Tech.
Thomas Marshall, C.Tech.
Paul Martinelli, C.Tech.
Corey Mason, C.Tech.
Vitality Mazurenko, C.Tech.
Andrew McKenna, C.Tech.
Mark Mohan, C.Tech.
Barkavi Jayachandran, C.Tech.
Serhiy Mykhaylov, C.Tech.
Narin Nandlal, C.Tech.

Associate Members

Bogdan Ardeleanu
Christopher Boivin
David Byard
Pulkit Chavda
Mohammed Chowdhury
Stephen Cranton
Sahand Dabbagh
Neil Dassanayake
Han Guan
Sohil Patel
Michael Rembosz
Md Abdul Shikder
Daniel Walker
Shawn Wurm
Qian Yu

Remigio Pastorin
Deepak Patel
Jayeshkumar Patel

Graduate Technicians
Margarita Konareva
Jocelyn Koteles
Metesh Lad

Graduate Technologists
Bruce Elliott
Ming Gao
Kathleen Hamilton
Kristopher Kretschmann
Todd Kuzniak
Adam Mac Millan
Ronald Marsonet
Lindsay Martin
Richard McKinlay
Heren Mistry
Fiodor Postica
Nand Sharma
David Winter

Technical Specialists
Afshin Daryaei
Alan Bahrmann
Adam Balsor
Ajaykumar Chauhan
James Chouinard
Jason Coxon
Andrew Crozier
Anjan Das
Michele Degli Angeli
Heman Desai
Mario Desrosiers
Pruthvisinh Dodia
Bienvenido Domingo
Samantha Ekanayake
Walter Ermacora
Brandon Gage
Jorge Garcia
Qing Han
David Hardy
Carl Heathfield
James Hopkins
Aniljeet Jaswal
Hadi Kordnavasi
Rishab Madhar
Sukhminder Mander
Gerard Murray
Tam Nguyen
Thuy Nguyen
Nesib Omerasevic

Existing OACETT Members with MTO Designation
Certified Engineering Technologist
Jody King, C.E.T. rcji

Applied Science Technologist
Jennifer Beasley, A.Sc.T. rcji

Certified Technicians
Shayne Davis, C.Tech. rcji
Bilal Nakhuda, C.Tech. rcji
Richard Woods, C.Tech. rcji

Graduate Technician
Rene Trudeau, rcji

Graduate Technologists
Joseph Hideg, rcji
Michael Koomen, rcji
Denis Labelle, rcji
Pieter Oorebeek, rcji
Ryan Unrau, rcji

New OACETT Members with MTO Designation
Graduate Technologists
Norman Wardell, rcji
Brooke Watson, rcji

IN MEMORIAM
Eugene Bekes, C.E.T.
Paul Commodore, C.E.T.
Grant Cruikshank, C.E.T.
Robert Evans, C.E.T.
David Harrower, C.E.T.
Timothy Holman, C.E.T.
Ronald Janke
Robert Marcus, Senior Engineering Technician
Joseph Mason, Senior Engineering Technician
Alfred Wallwork, C.E.T.
Colin Wateron, C.E.T.
London Chapter
The London Chapter was pleased to host the 2009 OACETT Annual General Meeting and Conference in Grand Bend a few months ago. The OACETT staff and Council members did a great job organizing the event. We all came away from the event with great memories and solid information.

The chapter is having another successful year with its secondary school student award program. Awards will be presented to students with outstanding achievements and that will be entering a technology program at a community college of their choice. In June, award presentations took place in five schools. We are targeting at least 15 schools in the fall.

Chatham-Kent Chapter
The Chatham-Kent Chapter will be holding its 33rd Annual PEO/OACETT Curling Bonspiel in November at the Chatham Granite Club and they are inviting you to come out and enjoy a day of curling and much more. The event will include three 5-end competitive and non-competitive games, raffles, prizes, dinner and a commemorative bottle of wine. An OACETT and PEO presentation will follow.

Date: November 14, 2009
Location: Chatham Granite Club, 41 William Street North, Chatham
Cost: Approx. $40 to $45 per person
Lunch will be offered at a nominal cost.

In support of Outreach for Hunger we are asking all participants to donate a non-perishable canned good. For more information and to register, please contact Jerry Corso.

Jerry Corso, A.Sc.T., rcsi, is Chatham-Kent Chapter Chair: jerryc@chatham-kent.ca

York Chapter
In July, the York Chapter kicked off their monthly calendar of events with a tour of Rogers Cable Headend Centre. They decided to visit them for the second year in a row to accommodate those members who missed the tour in 2008. About 80 members also participated in an enjoyable picnic held at the Sibbald Point Provincial Park. On August 7, members went on a plant tour at the York Region Recycle Facility to learn about the handling and recycling of blue and green boxes.

Upcoming Events
York Chapter is planning a tour at the Toyota Auto Plant in November.

The planning of these events is made possible through the support and enthusiasm of the York Chapter committee and other chapter members. We would also like to thank the following Council members and OACETT staff for making our events a success: President David Saunders, C.E.T., President-Elect Rod MacLeod, C.E.T., Vice-President of PASB, Bob van den Berg, C.E.T., Regional Councillor, Kimberley Pickett, C.E.T., Sharon Leonard and Carla Jochems.

These recreational and technical events are designed to meet the various interests of our members. They both serve the common goal of bringing members together to learn something new, broaden their networking opportunities and have a good time. At all times we welcome your comments and suggestions.

For details and photos of the York Chapter events, please visit our webpage on the OACETT website.

Patrick Ng, C.E.T. is the York Chapter Chair: york.yourchapter@oacett.org
The Horseshoe Region will be holding its 4th annual John Alton Memorial Horseshoe Hockey Tournament on the weekend of January 23 and January 24, 2010 at the Seymour Hannah Sportsplex in St. Catharines. The tournament is a round robin event involving all three chapters in the Horseshoe Region. We are opening an invitation to other chapters on a first come, first served basis. All hockey enthusiasts are encouraged to play. When you register for the event, please specify your preferred position of play. We look forward to seeing you on the ice!

Please contact the following chapter chairs for more information and to register for the event:

**Hamilton Chapter**
- Nick Mozzoni, C.E.T., hamilton-chapter@oacett.org

**Niagara Chapter**
- Shawn Chickowski, A.Sc.T., s.chickowski@stategroup.com

**Peel Chapter**
- Satish (Sam) Sharma, C.E.T., saras786@yahoo.com

### Hamilton Chapter

The Hamilton Chapter hosted its 15th annual golf tournament at Oak Gables Golf and Country Club in Ancaster on June 27, 2009. Despite the rainy weather, the group of 42 participants enjoyed a great round of golf, a delicious dinner and prizes given to all participants. Special thanks to Lawrence Magny, A.Sc.T., who contributed the Jackson Triggs bottles of wine to all the participants. Lawrence serves on the Niagara Chapter executive as a director. Another participant in the tournament, Earl Wardell showed no rust in his golf game after celebrating his 86th birthday.

Top marks and gifts were given to the following golfers:
- **Low Gross – Female:** Maureen Galvin
- **Low Gross – Male:** Marc Ally
- **Closest to the Pin – Male:** Joe Dubaich
- **Longest Drive – Female:** Maureen Galvin
- **Longest Drive – Male:** Joe Hybers
- **Most Honest Golfers:** Wendy Walker, Samantha Bowker and Cindy Fenske

We would like to extend our many thanks to the event sponsors:
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- Mountain Cable
- OACETT Hamilton Chapter
  - Process Automation
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  - Thistle Promotions
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- TS Baxter Consulting
- Woodbine Pavement Marking Limited
- Vincor Canada
- **Nick Mozzoni, C.E.T. is Hamilton Chapter Chair:** hamilton-chapter@oacett.org

### Toronto Region

The Toronto Region hosted its 2nd annual Technology Tee-Off Golf Tournament on July 18 at the Centennial Golf Course. Proceeds from the tournament will be used for outreach programs that provide professional development and education to our members, technology students and interna-
titionally trained professionals. The tournament was a great success and we look forward to hosting it again next year.

We thank all our sponsors and other Toronto Region chapters executives for their support.

**Toronto Central Chapter**
Your chapter executives are continuously working together to serve you better. Recently, we have decided to take advantage of a free online web application that will allow us to post information on our past and future events. You can enter the site by visiting www.oacettorontocentral.wiki.zoho.com or by following the link to the Toronto Central Chapter page on the OACETT website www.oacett.org. We hope this will make posting information and registering for events easier.

**Summer Picnic**
We thank York region chapter for inviting the Toronto Central and Eastern Chapter members to their annual summer picnic at Sibbald Point Provincial Park in July. It was a potluck picnic where members and guests brought their favourite international dish or food. It was truly an international theme and to top it off we were entertained by Lulu the clown with her bag of magic and storytelling. Patrick Ng and his committee organized a very successful event; we encourage all members and guests to join us next year.

**Upcoming Events**
To encourage more member participation, the Toronto Central Chapter will be hosting joint events with the York Chapter more often.

Most of our upcoming events will be rolled out in the fall. In the works is a wine tour and lunch at Niagara-on-the-Lake. As always, members and their guests from other chapters are welcome. This will be a great opportunity to learn something new and have some fun.

The Toronto Central and East Chapters will host the annual dinner and dance on November 14th at the Blue Danube Banquet Hall in Scarborough, Ont. This year you can expect big changes: a new DJ, a different dining and dancing experience and a new menu for dinner. There will be underground parking and amazing door prizes. All family and friends are welcome. For more details visit the OACETT website or go to oacettorontocentral.wiki.zoho.com.

Visit the Toronto Central webpage to see last year photos from our golf, dinner and dance events and more.

David Chow, C.E.T is Toronto Central Chapter Chair: dcbowcet@gmail.com

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Once you apply, OACETT will send you the study outline and study manual. An optional seminar is available to help you prepare.

*Please apply at least six weeks in advance.*
Honours and Awards 2009

Recognizing excellence in engineering and applied science technology

The Awards Committee invites individuals and employers to submit nominations for the Association awards listed below. Find the nomination form on the OACETT Website: www.oacett.org under Awards or call OACETT at 416-621-9621, ext. 236. Submit nomination forms to: Awards Committee, 10 Four Seasons Place, Suite 404, Toronto, ON, M9B 6H7 • Fax: (416) 621-8694

NOMINATIONS ARE DUE DECEMBER 31, 2009

Highest Association Recognition

Life Membership (Members)
The award is granted to an individual who has served the Association for many years in an exceptional manner.

Honorary Membership (Non-Members)
The award is granted to an individual who has made a significant contribution to the building of the Association, to the fulfillment of its objectives, or to the development of the profession of engineering/applied science technology.

Career excellence

Outstanding Technical Achievement Award (Members, Non-Members, Groups)
The award is granted to an individual, business firm, crown corporation, government agency, association, research and development agency, educational institution or individual entrepreneur to recognize outstanding technical achievement in engineering/applied science technology. The basis for granting the award could be a single exceptional accomplishment, or a long record of continuing excellence. It must be worthy of the designation "outstanding" in its contribution to technology in Canada.

Women in Engineering Technology Award (Members)
The award is granted to a certified OACETT member to recognize her outstanding technical achievement in engineering/applied science technology. The assessment criteria includes:
- A certified member in good standing
- Career path improvements
- Corporate recognition
- Peer recognition
- Outstanding leadership
- Mentoring role
- Level of professional responsibility

Outstanding Educator Award (Members, Non-Members)
The award is granted to an individual who has made a significant contribution to the education and training of engineering/applied science technicians and technologists. It recognizes a sustained record of teaching excellence over many years, and not for one specific year or singular accomplishment.

Meritorious service

Distinguished Service Award (Members, Non-Members)
The award is granted to an individual who has distinguished himself/herself in the service of the Association on a voluntary, salaried, or elected basis. While the award may be granted to recognize a singular accomplishment for the betterment of the Association, it is generally awarded to recognize sustained exceptional service over a period of time.

Blake H. Goodings Memorial Award (Members, Non-Members)
The award is granted to an individual who has either rendered long and distinguished service to the registration activities of the Association, or in the wider community, made a significant and definable contribution that impacts upon and benefits the Association's registration, accreditation or certification process.

Outstanding Community Service Award (Members)
The award is granted to an individual who has rendered long and distinguished service within the wider community. While the service performed does not necessarily have to be of a technology-related nature, his/her professional status/occupation as a technician or technologist is still publicly recognized, thereby bringing added admiration and respect to the profession. Recognition of past service or outstanding accomplishments by an organization, or the wider community in general, would be a factor in assessing the nominee's contribution. Length of volunteer service in itself would not qualify for the award.

Editorial excellence

Publications Award (Members, Non-Members)
The award is granted to an individual or group to recognize his/her/their authorship of an outstanding feature/length article, paper or work that was published during the relevant year by the Association itself or by another public communications medium. The work could have been completed singularly or in concert with others.
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