ASTT e-News, November 2008

ASTT e-News is broadcast to technologists, technicians, technical specialists and others. It contains the latest information about your profession and your association. Each issue is also posted to the ASTTBC web site.

Table Of Contents

- ASTTBC Council Nominations
- Paying Dues Promptly Could Win You An iPod
- Engineering and Technology Labour Market Study
- First Nations Careers Council Logo Contest
- New Health & Dental Plan Offered
- Registered Technology Manager Designation
- Advanced Education and Labour Market Development Deputy Minister Meets ASTTBC
- ASTTBC At Construction Safety Officer’s Symposium
- Onsite Wastewater Registration Tops 500
- Kelowna Roundtable Latest In Series
- ASTTBC A Sponsor For MISTIC Awards
- Major Push For National Technology Week
- CCTT Promotes Tech Careers
- Largest Aboriginal Sport & Culture Event Held In BC
- VIU Appoints New Chancellor
- Partnership For Ocean Technology Formed
- Buying or Building A Home?
- TechPRO – Gina Purchase, AScT
- TechEVENTS

ASTTBC Council Nominations

Nominations are requested for election to the Council of ASTTBC. Each nomination must be supported by the signatures of 10 certified members, as well as the consent and signature of the nominee. Nominations properly endorsed must be received by the Nominating Committee Chair by Saturday, February 21 2009.

Keith Switzer, AScT
Chair, Nominating Committee
10767 – 148 Street, Surrey, BC V3R 0S4
Fax: (604) 585-2790

Paying Dues Promptly Could Win You An iPod

Electronic invoices for 2009 ASTTBC dues have been sent out. Members who pay by December 31 2008 will automatically be entered into a draw for an iPod.

Engineering and Technology Labour Market Study

The ‘2008 National Survey of Engineers and Engineering Technicians and Technologists’ needs your participation. If you have not already completed the survey, please visit the web site before December 15 2008. The survey will take about 20 minutes. The National Survey is co-sponsored by
Engineers Canada and the Canadian Council of Technicians and Technologists. Your confidentiality is assured - individual respondents cannot be identified through the survey. As of November, approximately 14,700 engineers, technologists and technicians had completed the survey. Only 1,388 of these were from British Columbia. Last chance to provide your input!

www.engineeringemployeesurvey.com

**First Nations Careers Council Logo Contest**

**Deadline December 19**

ASTTBC and the First Nations Careers Council are reaching out to educators and others working with First Nations students with a logo contest. The FNCC is a newly formed group of First Nations technologists, technicians and technical specialists who are members of ASTTBC. Our goal is to encourage First Nations students to seek post secondary education leading to professional careers in the fields of engineering and applied science technology.

The FNCC needs a logo to place alongside its name – a symbol representative of the First Nations Careers Council. The logo contest is open to First Nations students and $2,000 in prize money will be shared among the top 5 logos created. The contest runs to December 19 2008.

For information and an official entry form for any First Nations student that would like to participate, please visit www.asttbc.org/docs/fnlogocontest.pdf

**New Health & Dental Plan Offered**

**Enroll before February 15 2009 and save $225!**

ASTTBC’s latest affinity partner program offers members additional choices and flexibility for health and dental coverage. The Olympia Trust plan provides a new option for technicians and technologists who are working on contract or as consultants, and for small and medium-sized firms.

The new program has no monthly premiums and provides 100% coverage on just about everything your family may need. It allows you to have your own company pay for your family’s medical and dental expenses and then deduct 100% of the cost as a business expense. It provides complete coverage and impressive tax savings, both personally and corporately. Eligible expenses include all dental expenses, vision care, chiropractic visits, massage therapy, physiotherapy and more. You can also include premiums paid for other health and dental plans, even when paid through a spousal plan.

For ASTTBC members with a small group of employees, this program offers a completely different approach to setting up employee benefits. Unlike insurance plans with premiums, with the Olympia Trust plan you only pay for what your employees actually spend (plus administration costs). You also have the option of designing the plan around different categories of employees. For example, management can have a full-featured plan while new employees can receive a more flexible plan than is normally offered, without breaking the bank.

*For more information visit www.olympiatrust.com/asttbc, phone 1-800-727-4493, or see insert with the fall 2008 issue of ASTT News.*

**Registered Technology Manager Designation**

**Planning on track for Spring 2009 launch**

The final touches are being put on the Registered Technology Manager (RTMgr) certification policy with the view to having the program running for Spring 2009. This certification will appeal to those AScT and CTech members who are now managing in a technology environment and who meet the enrollment criteria. There will be two methods of attaining certification.

- Holding a Diploma or Bachelor of Technology in business management, MBA or other appropriate business education credential, plus at least 2 years of experience during which required competencies have been applied
- A minimum of four years of management experience and training, during which required competencies have been acquired
A Provisional Certification will also be available to those members who are enrolled in a recognized business program and meet a primary level of competence. The successful applicants will show the necessary level of competence in a range of management areas; Technical Specialist as Leader/Manager, Human Resource Management, Law for Business, Project Management, Problem Solving and Decision Making, Accounting, Business Strategy and Structure, Technology Management Communication, Technology Marketing Strategies and Managing Technological Change.

Watch the ASTTBC web site [www.asttbc.org](http://www.asttbc.org) and newsletters for details.

**Advanced Education and Labour Market Development Deputy Minister Meets ASTTBC**

The newly appointed Deputy Minister, Robin Ciceri, met with ASTTBC's Executive Director, John Leech to talk about matters of mutual interest. One of the priority topics discussed was technology education and careers during which John noted the following:

- tech education and careers are invisible and that we need a consortium of industry, government, educators, ASTTBC and others to work on improving awareness
- ASTTBC is making a considerable investment in promoting technology education and careers
- industry has a limited, to no, "voice" and that ASTTBC sponsored the formation of the Technology Education and Careers Council, launched by Minister Coell earlier this year;
- declining enrolments in a number of technology programs and the need for an awareness campaign to fill classes
- there is a need for adequate labour market information. Robin noted that this is a priority of government and that efforts are being made to address this matter
- the need to address the low interest in science, math and technology in K-12 in most areas of the province
- ASTTBC-sponsored Technology Skills Roundtables were hosted in a number of centres (Vancouver, Prince George, Kelowna and Campbell River in 2008) with others planned for 2009
- the BC-Alberta Trade, Investment and Labour Mobility Agreement (TILMA) and how ASTTBC is meeting requirements under this agreement.

The Deputy and John also covered ASTTBC's efforts to enhance professional recognition and define rights to practice. John spoke about the current efforts by AIBC to register building designers. John noted ASTTBC’s work to develop Guides to Professional Practice and that ASTTBC is planning to implement the "Professional Technologist" (PTech) in BC now that legislation has been enacted and will shortly be proclaimed in Alberta.

John noted that ASTTBC is pleased with the addition of 'Labour Market Development' to the Ministry portfolio. "We applaud this move by Government to give greater weight and emphasis to labour market development. An issue we have advanced during the last three years has been the lack of adequate labour market information. ASTTBC has communicated this to Ministers Coell, Hansen and others. It was reinforced in my meeting with Robin Ciceri," said Leech. "I am convinced that the Ministry will pull together the much-needed LMI and that this will be available for the various regions in order that the province as well as local leaders and organizations can make better decisions."

The Deputy indicated that she looks forward to working with ASTTBC in areas of common interest.

**ASTTBC At Construction Safety Officer's Symposium**

ASTTBC was a gold sponsor and partner for the 2008 Construction Safety Officer Symposium held in Richmond, November 14 and 15 2008. Some 200 delegates took part. Certificate courses and workshops, all eligible for CPD credits, covered a broad range of critical and relevant topics for construction safety professionals.

ASTTBC’s booth, staffed by Bruce Stevens, AScT, CSO Program manager was well received. With help from CSO panel members Rick Cox, CSO, Cameron Hacault, CSO, and Jim Hopkins, CRSP, delegates got to hear about the CSO / TSC program and our new initiatives right from Certification Panel members. At the closing session Bruce spoke of the work by ASTTBC and the CSO Certification Panel on behalf of CSOs and TSCs.
Trevor Lippingwell of Langley, BC was the lucky winner of an Olympus 850 SW (construction site friendly) digital camera grand prize.

As in the past, a survey was taken from more than 120 of the delegates, with the initial results showing a high level of interest in certification with ASTBC. The balance of the survey results will be available soon and is an invaluable tool for our goal of continuous improvement for the CSO / TSC program.

As we move ahead your help is needed to grow the membership. Members wishing to volunteer, please contact Rick Cox, CSO at; rick_cox@safetycouncil.bc.ca or call 604 214-7433 (ext 119).

**Onsite Wastewater Registration Tops 500**

On July 7 2008 the Onsite Wastewater Registration Program passed a milestone when ROWP certificate #500 was issued. "This performance-based approach encourages quality systems," says Ron Hein, ROWP, Manager, Onsite Wastewater Registration Program. "Home owners now have a growing number of ROWP practitioners across the province who have the necessary training and registration as 'Authorized Persons' to ensure the performance and longevity of onsite wastewater systems."

Since the Ministry of Health Services introduced a new Sewerage System Regulation in 2005, industry practitioners must be registered with "a registration certificate issued by the Applied Science Technologists & Technicians of British Columbia that certifies that the holder is competent to construct and maintain a sewerage system that uses a treatment method classified as Type 1 or Type 2" (an existing 'professional', another 'authorized person' defined within the regulation, is excluded from the ASTTBC registration requirements). This change applies to all types of onsite wastewater systems, from septic systems for single-family homes to complex systems for multi-residential, industrial and commercial applications.

To download a copy of the new "Onsite Wastewater Systems for Residences in BC" brochure, visit owrp.asttbc.org/new.htm or to receive a complimentary printed copy, contact ASTTBC at 604-585-2788 or email techinfo@asttbc.org

**Kelowna Roundtable Latest In Series**

A partnership between Okanagan College, ASTTBC and the Okanagan Science and Technology Council provided the forum for more than thirty leaders from the technology community in the Okanagan at the October 9, 2008 Kelowna Roundtable. Delegates included representatives from such key industry leaders as Telus, Disney Club Penguin, Kelowna Flightcraft, Consulting Engineers AECOM and CTQ Consultants, Northside Industries, Vadim Software and Technology Brewing. Okanagan College, BCIT, UBC Okanagan and School District 23 represented the education sector. Government participated through the Ministry Of Transportation, Interior Health Authority, City of Kelowna, and the Central Okanagan Economic Development Commission. The Westbank First Nation and Bowman Employment also attended. Associations included ASTTBC, APEGBC, Okanagan Science and Technology Council, and the Southern Interior Construction Association.

In welcoming all delegates Jim Hamilton, President of Okanagan College spoke about current trends, the role of technology and the vast array of opportunities in technology as a career. ASTTBC Executive Director, John Leech AScT, CAE having conceived of the province wide Roundtable series, brought a message of concern, an outline of the critical issues and an insight into strategies that have evolved as a result of previous roundtables. John spoke passionately about the major issues facing educators and employers in their quest to fill the demand for technology professionals. Andrew Hay, P.Eng VP of Education at Okanagan College brought a clear and comprehensive message about the reality of declining enrolments, and technology program cancellations, all at the same time as a cry from industry for trained technology professionals. We must "fire the imagination of students" according to Douglas McLeod, Executive Director of OSTEC. Douglas spoke about the need to make education the key to solving this crisis and called on all stakeholders to help "fire the imagination" of both students and educators around the sciences and technology. Douglas, an architect by profession asked "Why is it that architecture schools have many more applicants than seats? We need to learn from those disciplines that are attracting students but more than anything we must start thinking like a 14 year old if we want to attract that age group
to careers in technology." The keynote speaker, Claude Kisteman, HR Director with Telus, drew attention to the need to understand the current generation of employees, their priorities, strengths and how to best attract and retain this innovative generation. The fact that the role of technologists and technicians is largely misunderstood is a major challenge in drawing students to the technologies but a challenge that must be overcome to meet the demands of an increasingly technical workplace.

Following the presentations, a working session had the delegates arranged at a series of tables and tasked with addressing specific questions and formulating ideas. Each group of delegates then presented a report of their discussions, ideas and opportunities.

The day concluded with a joint luncheon for Roundtable delegates and the Kelowna Chamber of Commerce. John Leech AScT summarized the Roundtable goals, messages and outcomes to the Chamber members and introduced the key note speaker Claude Kisteman a Senior HR Director with Telus who brought his morning message to the luncheon audience, many of whom were hearing of this issue for the first time.

The Kelowna Roundtable produced good media coverage with a front page article in the Business section of the Kelowna Courier. ASTTBC has moved into the next stage of facilitating and building partnerships that will work towards a collaborative, community based approach to creating and implementing strategies.

**ASTTBC A Sponsor For MISTIC Awards**

ASTTBC was a Platinum Sponsor of the 2008 Mid-Island Science, Technology and Innovation Council 2008 awards gala. John Leech, AScT, CAE, ASTTBC Executive Director, attended to present an "ASTTBC Leadership in Technology Award" to Per Kristensen. Per, who is with the City of Nanaimo’s Information Technology Department, was recognized for 20 years of leading edge technology solutions. Several ASTTBC members were on-hand including Bob Colclough, an ASTTBC past president, and Council members Nancy Fowler, AScT and John Murphy.

**Major Push For National Technology Week**

National Technology Week is an annual showcase of exciting careers in technology and a golden opportunity to recognize the valuable contribution of technologists, technicians, and technical specialists across BC and Canada. This year it took place from November 3 – 7.

ASTTBC’s major National Technology Week initiative for this year is a two-page spread on technology in 27 newspapers with a combined circulation of almost 800,000. The media blitz reached out to young people and their parents, whether they were living in Abbotsford, Victoria, Terrace or Trail, or other community.

The Association was successful in approaching the Province of British Columbia to proclaim National Technology week in BC.

ASTTBC also worked with the Canadian Council of Technicians and Technologists on national activities for the event. One example is the annual poster contest. This year, students were asked to design a poster with the theme: "What is Canada’s Best Technology Invention Ever?" Prizes were offered for youths in grades 7-9 (Junior Level) and 10-12 (Senior Level).


CTV Ottawa video clip: [cctt.ca/template.asp?id=885ff940adb2441ba7c49622b207ecd8](http://cctt.ca/template.asp?id=885ff940adb2441ba7c49622b207ecd8)

**CCTT Promotes Tech Careers**

The Canadian Council of Technicians and Technologists has run a national advertisement
encouraging young Canadians to consider a career as a technician or technologist. The ad appears on page 127 of the November 24 2008 issue of Maclean's, the 'university rating' issue of the magazine.

**Largest Aboriginal Sport & Culture Event Held In BC**

The largest Aboriginal sport and culture event in North America took place in British Columbia this summer where Aboriginal communities from across Canada and the United States gathered in the Cowichan Valley. The 2008 North American Indigenous Games was a celebration of culture and history, and brought significant economic, sport, and community legacies to First Nations and to BC.

"The success of the games represented a truly significant achievement for British Columbia and everyone in the Cowichan Valley," said Honourable Michael de Jong, Minister of Aboriginal Relations and Reconciliation. "The Cowichan Tribes, who hosted the games, avidly demonstrated the spirit of the New Relationship and I am proud of their achievement."

Prior to the Cowichan Games, a Leaders Gathering, held in Saanich on August 2, brought together an unprecedented assembly of more than 110 First Nations and Métis leaders from around British Columbia. Aboriginal representatives met with local politicians, acknowledging the call to action by young Aboriginal leaders at the "Gathering our Voices" Conference in March 2008, to discuss a provincial strategy that will improve health and lifestyles through sport, recreation and physical activity.

Another mutual accomplishment was reached in May when the Province, Government of Canada and First Nations Leadership Council signed a historic memorandum of understanding, agreeing to work together to develop a comprehensive approach to improve housing for First Nations communities, individuals and families both on and off reserve. The agreement ensures First Nations live in healthy, safe, affordable, and culturally appropriate housing.

**ASTTBC has formed the 'First Nations Careers Council'**. The goal is to promote technology careers to First Nations Youth. First Nations members who wish to volunteer for this important initiative should contact Tim Duerden, FNCC Chair at tduerden@koers-eng.com

**VIU Appoints New Chancellor**

Chief Shawn Atleo (A-in-chut) was appointed as Vancouver Island University's first Chancellor effective September 1 2008. The installation ceremony was attended by Tim Duerden, AScT, Chair of ASTTBC's First Nations Careers Council. After, Tim said "Shawn is an incredible person and I felt so fortunate to have experienced the ceremony."

A-in-chut is a Hereditary Chief from the Ahousaht First Nation and the British Columbia Regional Chief of the Assembly of First Nations.

Chief Atleo graduated in 2003 with a Masters of Education in Adult Learning and Global Change from the University of Technology, Sydney Australia (in partnership with University of British Columbia, University of the Western Cape South Africa, and University of Linkoping Sweden).

His efforts are focused on the empowerment of the people and their communities towards self-determination and building hope for the future. Chief Atleo exercises leadership by first listening to gain an understanding and then working collaboratively to make positive change.

As the BC Regional Chief, Chief Atleo is also a founding member of the BC First Nations Leadership Council (BCAFN, Union of BC Indian Chiefs and First Nations Summit), which allows all three organizations to collectively work together to protect the interests of First Nations in BC and to ensure that Aboriginal Title and Rights are recognized, accommodated and reconciled through government-to-government relationships.

**Partnership For Ocean Technology Formed**

Advancing education and applied research in Canada's ocean technology sector is the focus of a new collaboration between Newfoundland's Marine Institute and BC's Camosun College.
The Marine Institute and Camosun College are ideally situated to develop new training and technology transfer initiatives for Canada’s east and west coasts. The agreement allows both educational institutions to explore student and faculty exchanges, academic credit transfer and bridging opportunities between programs. The two institutions will also focus on identifying opportunities for joint applied research and developments projects in Ocean Technology and international opportunities where the institutions may work together.

"Our oceans and ecosystems in peril call for a truly concerted effort at all levels. As Canada’s colleges and technical institutes have taken on the roles of applied research and technology transfer hubs, it is consequential that we forge strategic alliances," said Tom Roemer, PhD, of Camosun. "With respect to ocean technology, we could not have hoped for a more suitable partner than the Marine Institute. This collaboration will indeed be 'from sea to sea.'"

Camosun College has begun to establish applied research and development activity in the area of Ocean Technology and forge relationships with Ocean Technology developers on Canada's West Coast. Recently, Camosun received a federal grant to establish the Vancouver Island Advanced Manufacturing and Rapid Prototyping Centre, which will ultimately aid industry in the development of new ocean technologies.

**Buying or Building A Home?**

If you are buying or building a home, there are several groups within ASTTBC that specialize in providing housing-related services:

**House and Property Inspection**
The purchase of residential or commercial property represents a significant investment. A quality inspection gives the purchaser or building owner detailed information about the building and the systems within it. A **Certified Property Inspector (CPI)** or **Certified House Inspector (CHI)** is qualified with the education, training and experience to carry out professional house and property inspections.

For a list of certified house and property inspectors, visit the BC Institute of Property Inspectors web site at [www.bcipi.net](http://www.bcipi.net)

**Site Improvements Surveys**
The practice of Site Improvements Surveys is the determination of the relative location of structures to cadastral survey monuments and Land Titles Office records and plans. These surveys are typically required by lending institutions as a condition of mortgage approval, and by municipal authorities as part of the building permit process prior to construction. ASTTBC membership is required before one may be **Registered in Site Improvements Surveys (RSIS)**

Contact ASTTBC for a list of practitioners with the RSIS designation.

**Building Design**
The designations of **Registered Building Designer (RBD)** and **Certified Residential Designer (CRD)** represent professional building designers practicing in BC under provincial statute with ASTTBC. Members' expertise covers the full spectrum from residential, commercial and industrial to recreational allowing them to offer uncompromising professionalism and service in the design and construction of buildings. In the public interest, RBDs and CRDs work with architects and professional engineers where required by law.

For a list of building designers, please visit the Building Designers Institute of BC web site at [www.bdibc.bc.ca](http://www.bdibc.bc.ca)

**On Site Wastewater**
The majority of BC homes outside of cities use onsite systems to handle their sewage. The Ministry of Health Sewerage System Regulation provides for two types of Authorized Person - a Professional, such as a Professional Engineer, and a **Registered Onsite Wastewater Practitioner (ROWP)** to plan, install and maintain an onsite system. In order to be registered by ASTTBC, the ROWP must demonstrate experience and complete required education. ROWPs must follow a 'Standard Practice Manual' provided by the Ministry of Health, which sets out the current best practices. ASTTBC registers four main classifications of ROWP: planner, installer, maintenance
provider, and private inspector.

For a list of ROWP practitioners, visit owrp.asttbc.org

TechPRO – Gina Purchase, AScT

Gina Purchase, AScT, is Assistant Project Manager with L&M Engineering Limited in Prince George. L&M Engineering Limited is the largest planning and consulting engineering firm in North-Central BC and offers a wide range of planning and engineering services that are structured to meet the needs of northern-based projects. This has allowed Gina to work on large commercial and institutional projects such as the River Point Shopping Centre, Treasure Cove Hotel and Casino, Prince George Community Gaming Centre and the UNBC Northern Sport Centre. In addition, she has worked on numerous residential and industrial land development projects in Prince George, Northern BC and Alberta.

"I was exposed to the construction industry at a young age as my father is an industrial painter and my mother works for Canadian Forest Products," says Gina. "It was shortly after high school that I was introduced to the Civil Program at Okanagan University College through a friend who was enrolled there. I was intrigued and excited by the potential variety of working with different professions in and out of the office."

In 1997, she and her spouse moved to Kelowna where she attended the Civil Engineering Technology Program at Okanagan University College. After graduation they relocated to Victoria where construction was booming and Gina gained valuable work experience in her career. In 2005 they moved back to Prince George to be closer to family and friends and it was then that she became employed with L&M Engineering Limited.

"My profession is challenging and rewarding," she says. "Throughout a project, I am responsible for liaising with clients, engineers, contractors, city/municipal staff and inspectors. I am also responsible for developing the civil designs and overseeing the construction of these works. It is fulfilling to see a design formed on paper, take shape on-site. It is this balance and constantly changing environment that most appeals to me."

After she accumulated the appropriate progressive technical experience, Gina became registered as an Applied Science Technologist with ASTTBC.

"I believe that ASTTBC's mission statement best exemplifies my attitude towards my profession and how I strive to work everyday - to serve the public by regulating and supporting Technology Professionals" commitment to a safe, healthy, and sustainable society and environment," she says.

TechEVENTS

- **Silicon Vineyard Innovation Awards - Call for Nominations**, deadline January 05 2009. The Silicon Vineyard Innovation Awards acknowledge excellence in innovation among individuals and organizations from the Okanagan's science and technology sectors. Categories: OSTEC Member of the Year; Innovative Organization of the Year; Innovator of the Year; Most Promising Emerging Technology. Sponsored by the Okanagan Science & Technology Council. events@ostec.ca
- **ExpoFor 2009**, February 25 – 27 2009, Prince George. ABCFP's annual forestry conference and AGM. This year's event will feature a public education forum in addition to numerous plenary and breakout session to interest every forest professional. www.expofor.ca
- **CEBC Awards Gala**, March 7 2009, Vancouver. The annual Consulting Engineers of BC Awards Gala is the association's premiere professional and social event of the year. www.cebc.org/subcalendar/upcomingcalendar.html
- **Silicon Vineyard Innovation Awards Gala**, March 12 (tbc) 2009, Kelowna. Join in celebrating excellence in innovation among individuals and organizations from the Okanagan's science and technology sectors at the 6th Annual Silicon Vineyard Innovation Awards. Sponsored by the Okanagan Science & Technology Council. events@ostec.ca
- **ASTTBC AGM**, May 22 2009. Details to follow, please mark your calendars now. www.asttbc.or
- **World Conference On Sport & The Environment**, March 29 - 31 2009, Vancouver. How sport organizations and major sporting events can contribute to environmental, cultural and economic

- **WorldSkills Competition**, September 1-6 2009, Calgary. More than 850 competitors from 48 countries will compete. The goal is to promote excellence in skilled trades and technologies training. [www.worldskills.org](http://www.worldskills.org)


**Note**: For links to seminars listed on the web sites of other associations, visit [www.asttbc.org/services/cpd/seminars.php](http://www.asttbc.org/services/cpd/seminars.php)