

Update

a newsletter for the BCIT Community

Special Edition: School of Construction and the Environment



A POLYTECHNIC INSTITUTION

The mission of BCIT is to build pathways for career success in the global marketplace through teaching excellence and applied education and research.



Dr. Bryan Folz has developed a Bachelor of Engineering (B.Eng.) in Civil Engineering for the School of Construction and the Environment.

BCIT develops new civil engineering degree

OVER THE LAST TWO years, Dr. Bryan Folz of the School of Construction and the Environment has been developing the first engineering degree to be offered at BCIT. Now in the final stages of the approval process, the Bachelor of Engineering (B.Eng.) in Civil Engineering will become only the second Civil Engineering degree offered in B.C.

The primary objective of the civil baccalaureate degree is to prepare the student for the practice of professional engineering. It has been carefully developed in order to satisfy the requirements for accreditation set out by the Canadian

Engineering Accreditation Board. With accreditation, graduates of this degree will be able to seek professional licensure to practice civil engineering anywhere within Canada.

The degree, which will become the model for subsequent engineering degrees at BCIT, comprises four years of full-time academic study and a one-year professional development internship following Year 2. The highly regarded Civil diploma has been integrated into the degree matrix, and remains the foundation for students advancing into the final two academic years of the program.

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The first cohort is now in place, and classes for academic Year 3 are scheduled to begin September 2005, pending final approval of the degree. It is anticipated that demand for this program will be significant, eventually drawing graduates from other technical institutions and foreign educated engineers seeking North American design education.

Many career opportunities are available to professional civil engineers. They are engaged in the planning, design, construction and maintenance of road and rail transportation systems; port and airport facilities; bridges, tunnels, dams, and buildings of all types; water, gas and oil pipelines; energy-generating facilities; water, air and waste treatment plants; in a nutshell, the construction and maintenance of the built environment.

The B.Eng. in Civil Engineering advances BCIT's declared intention to be Canada's premier polytechnic institute, and presents new opportunities for faculty and students to engage in applied research initiatives.

Staff Changes

New to BCIT

Manraj Ghuman, *power engineer, Facilities*

On the move, promotions, department changes

Scott Houston, *material handler, Supply Management*

Gerdy Snyder, *assessment administrator (ATC), Lifelong Learning*

BCIT logos and templates are here

BCIT LOGOS AND PRESENTATION templates are now available online for use by all BCIT staff and faculty members.

To access BCIT's logos, simply follow these steps:

- Log into myBCIT and click the 'Staff Resources' tab.
- In the 'Staff Resources' section, scroll down until you see the Marketing and Communications panel.
- Click on the 'Need a BCIT logo?' link at the bottom of the Marketing and Communications box and select the logo that you wish to use. In the logo database section, you will also find information on file formats, guidelines for logo use and contact information for assistance.

Presentation templates are housed in Lotus Notes as a Document Library.

To access BCIT templates:

- Go to your Lotus Notes Workplace and click on 'File'. On the 'File' pull-down menu, select 'Database' and then 'Open'.
- In the server field of the 'Open Database' dialogue box, select 'Notesmail/BCIT'.
- Scroll through the panel options until you see a folder called 'doc' and double-click on this folder.
- Scroll through the database options to 'Presentation Templates and Resources'. Click on this option and select a template

BCIT introduces a new Occupational Health and Safety (OHS) team

The OHS Team acts as a resource for BCIT staff and students on health and safety topics.

The OHS Team is:



Duncan Webb
Manager, OHS
Local 8044



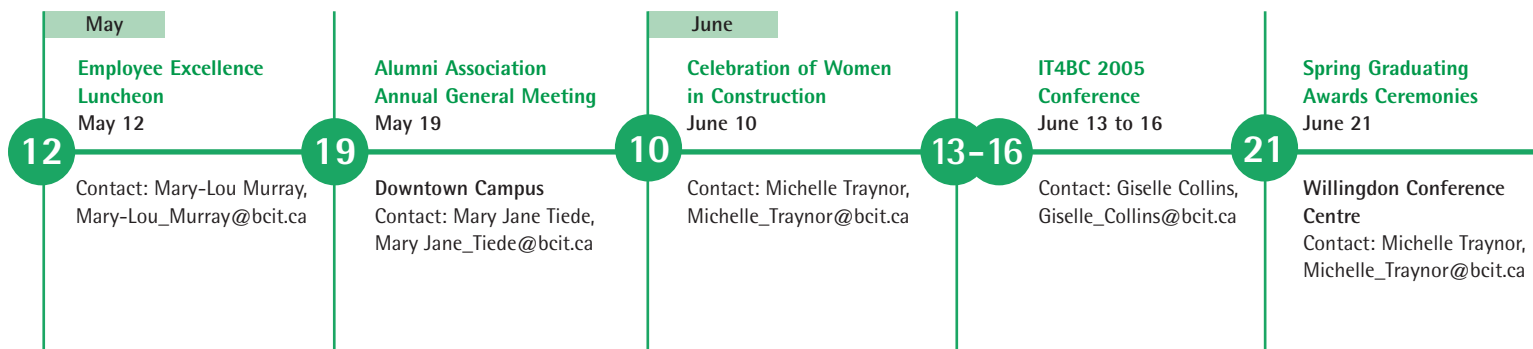
Jennie Inkster
OHS Coordinator
Local 8318



Alison Jones
Occupational Hygiene Coordinator
Local 8797

The OHS Team can be found in the Safety and Security Office, Building SW1, Room 1000 at the BCIT Burnaby Campus.

Save the Date!



BCIT wins three prestigious multimedia awards

THE MARKETING AND COMMUNICATIONS department and the Learning and Teaching Centre have won three prestigious awards for BCIT's multimedia recruitment campaign. The Canada Council for Advancement in Education (CCAIE) awarded BCIT a gold medal for the Institute's entry in the 'Best Audio, Video or Multi-media Presentation' category. BCIT submitted a comprehensive entry package that included the video *Experience It* along *Student Recruitment Presentation* and *Path Found*.

The winning campaign was developed by Denise Gorgosilich with Janeen Alliston and (Marketing and Communications department), Chris Cambon, Ian Cameron and William Mah (Learning and Teaching Centre). Winning the award is a great honour although, as Janeen pointed out "it's the fact that two BCIT departments collaborated to achieve the win that's important."

The short film *Experience It* won the 'Award of Excellence' and the 'Best Production' awards from the Association for Media and Technology in Education in Canada (AMTEC). *Experience It* was produced using time-lapse photography, a technique that condenses two or three hours of footage into a two minute film segment. "It was kind of different," said video producer Chris Cambon. "It's very different than what we usually do in marketing."

BCIT Marketing teams dominate U.S. competition



BCITMA students swept three competitions at the American Marketing Association (AMA) International Collegiate Conference.

JUBILANT BCIT MARKETING ASSOCIATION (BCITMA) teams came home as the biggest winners at the American Marketing Association (AMA) International Collegiate Conference in New Orleans, Louisiana. The international conference was attended by about 1300 students, representing 119 business schools from across the United States, including Penn State University, University of Wisconsin and Loyola University, to name a few.

During the three day event, 19 BCITMA students competed in the conference's three major contests: The Sales Competition; The School Exhibition Competition; and The Case Competition, sponsored and judged by executives from Goodyear Tire and Sullivan Tire and Auto Service.

BCITMA won first place, and more, in every event:

- 1st, 2nd, 3rd, 4th, 5th – AMA Sales Competition
- 1st place – AMA Case Competition
- 1st place – AMA Exhibit Competition

"American colleges are certainly paying attention to our teams' successes, which speaks volumes to the quality of education we receive at BCIT," said Larissa Beardmore,

President, BCITMA. "The BCIT Marketing Association has attended the conference annually for the past nine years and no doubt this is our best year to date." This is the first year BCITMA students entered the AMA Case Competition. Industry professionals serve as competition judges and make their decisions based on the strategies and ideas developed in each teams' written marketing plan. This year eight finalists were asked to present their ideas to the corporate marketing team of Goodyear and Sullivan Tires.

Aspects of the winning team's marketing plan will likely be used by sponsoring corporations.

Joe Freeburn, the Marketing Management instructor who accompanied the team to New Orleans, credits BCIT's program for much of his student's success. "Our team approach to teaching put us head and shoulders above the competition," he said. "Our intensive two year program gives our students great value for their money. They were very professional and sophisticated."

Barry Hogan, Associate Dean of Marketing Management, concurred. He described BCIT's team as "very hard working and dedicated. They achieved BCIT's highest showing yet and we are very proud of them."

Spring Convocation Ceremonies
June 22 to 24
9 a.m. and 1:30 p.m.

22-24

Willingdon Conference Centre
Contact: Michelle Traynor,
Michelle_Traynor@bcit.ca

Aventis Biotech Challenge comes to BCIT

BCIT HOSTED THE AVENTIS Biotech Challenge on April 22 as part of the Institute's campus- wide Earth Day celebrations. Begun 1994, the Aventis Biotech Challenge was developed to raise awareness among students, educators and the public about the emerging science of biotechnology and its applications in health care, agriculture and the environment.

Each Biotech Challenge features the outstanding work of high school students who have conducted research projects and experiments of their own design in some area of biotechnology. Cash prizes are awarded to the top five or six student teams.

This year's B.C. competition was won by Janet Freilich of Sir Winston Churchill Secondary School for her project 'Lighting the Way – Chemiluminescence Predicts Cell Growth'. Janet's first place standing earned her a \$3000 cash award and a berth in the 13th annual ABC national competition scheduled for May 11, 2005.



Joan Russo of Sanofi-Aventis presented the first prize to Janet Freilich in the Aventis Biotech Challenge.

BCIT team competes in the Sun Run



BCIT fielded a large team of runners in the Vancouver Sun Run.

ALTHOUGH THEY AREN'T professional athletes, BCIT fielded an enthusiastic team in the Vancouver Sun Run. The fastest runner from BCIT was Enrico Marru, an instructor in the Wireless Communications program, who finished the course in 48.8 minutes. Since BCIT's team was made up of walkers and runners, there was quite a large spread in finishing times. Over 20 participants from BCIT entered the event this year. "It's really a participation thing," said team captain Ian Ross, "We don't have a particularly fast group. It was a good day, though, and I think everybody had a good time."

BCIT TEK Initiative

THE EDUCATIONAL TECHNOLOGY/INFORMATION Technology (ET/IT) project was recently initiated by the President's Executive Council and endorsed by the Institute's Board of Governors. I am pleased to announce the official launch of this project under a new name:

The Technology-Enabled Knowledge initiative is about innovation and achieving new standards of excellence in education and learning.

I invite faculty, students, staff and our community partners to participate in this

three-year strategic initiative to collectively build our educational technology and information technology infrastructure to enhance learning, teaching and research at the Institute.

Through the website listed below you can learn more about the TEK Initiative. Today you can review the vision we've set for BCIT. In the subsequent weeks and months you will hear more about the various projects within the Initiative and find out how you can contribute and help direct its path.

This is a large, ambitious and exciting endeavour. Its success will require your involvement, support, energy and insight.

As Canada's Premier Polytechnic we need to be exemplary in our use of technology to teach and learn. The TEK Initiative is an important part of moving us forward.

<http://www.bcit.ca/tek>

Tony Tanner
Vice President, Education

BCIT students win big at the B.C. Portfolio Management Challenge

BCIT SCHOOL OF BUSINESS students celebrated, their achievements in the B.C. Portfolio Management Challenge. An award reception was held in their honour at the Burnaby campus on April 13.

Forty teams, or about 130 students, competed in this year's challenge. Participants represented colleges from across the province including Okanagan University College, Langara College, Kwantlen University College, Capilano College, Malaspina University College, and Camosun College.

Each team was given \$1,000,000 in hypothetical capital with which they formed a portfolio consisting of a combination of common shares, options, or cash. Teams were also limited to 50 trades and 10 option trades within that amount. Additionally, each trade was capped at \$200,000 to promote diversification. This year's challenge ran for four-and-a-half months beginning on October 18, 2004 and ending on March 4, 2005.

BCIT placed first in the college division with an average portfolio of \$1,133,316 representing an average increase of 13.33 per cent. Second place was awarded



BCIT's School of Business sent a winning team to B.C. Portfolio Management Challenge.

to Malaspina, which finished with \$1,078,493 or a 7.85 per cent increase.

"BCIT students have achieved excellence in its first year," said Brooke Campbell, Vice President and Director, Corporate and Government Finance, Odlum Brown Limited. "We were also very pleased to see the strong support students received from the institution."

This year's challenge was organized and sponsored by the B.C. Securities Commission, Odlum Brown Limited, Leith Wheeler Investment Counsel Limited and the Canadian Securities Institute.

Members of BCIT's winning team, "Precious Profits," are also being celebrated in their local communities including Surrey, White Rock, Burnaby, and Port Coquitlam.

BCIT students participate in Earth Day 2005

ON FRIDAY APRIL 22, BCIT celebrated Earth Day in the Great Hall of SE-02. The festivities began with the presentation of the 2005 Earth Apple Award for outstanding service to the environment. Last year's winner, Maureen Connelly of the Great Northern Way campus's Green Roof Project, presented the award to Tony O'Kelly, for his long term support of BCIT's Vermi-Composting System. Tony's contributions to the worm bins began with their opening in 1997, and have included the weekly addition of food waste, advice about the system, as well as helping to spread the word about composting to all of his colleagues in the BCIT Library. After the award presentation, Environmental Education Coordinator Greg Cairns, invited everyone to take a bag of worm compost and

a seedling home to plant a tree for Earth Day. Three Blackjack tables and Money Wheel were then opened for gaming. An amount of \$2500 in play money was given to each player, and accumulated winnings could be spent on various items at the prize table. Many students left with a prize and a fond memory of the day.

The organizers would like to thank BCIT Recreation Services, the BCIT Bookstore and Marketing Communications for their prize contributions, as well as Facilities Management for the worm compost and Pelton Reforestation for their generous contribution of Douglas fir and Western Hemlock tree seedlings.



Seedlings and compost were handed out to all visitors in honour of Earth Day.

Last but not least, many thanks go out to all of the tireless volunteers who manned the casino games, which made Earth Day 2005 a fun-filled day to be remembered.

Message from the Dean



John English.

YOU HAVE PROBABLY SEEN and heard us use the tag line to describe the School's scope of activity as *"...concerned with the natural environment, the built environment and the relationship between them."* The purpose is to convey the ideas that our programming is starting to embed new themes and moving towards an integrated and multidisciplinary approach. An approach whereby we think, behave and teach in a manner that recognizes that there is only one environment and that technical, economic, social and quality of life goals must be achieved along side the goals of protecting our fragile biosphere...and that it is not an option to do so.

Rather than talk about specific new programs and courses—interesting stuff, of course—I think it is more important to talk about the themes and directions that are going into them...new and existing. We are emerging from a time when technical programs were just that and only that. We are embedding principles of sustainability, sociology, the humanities and more, to achieve that broader and holistic perspective. Whether it is about new building materials, alternative and renewable energy systems, construction practices in environmentally sensitive sites, new forestry practices, life cycle design methods, or affordable and safe housing, existing programs have been undergoing large change. And there is much more to come.

Our faculty and staff are in the unique position of preparing the next generation of stewards of our one and only environment. What a responsibility! Look for

that word "sustainability" to be ubiquitous in our programming and look for more integration and multidisciplinary activity. We are leaders in the developing the practices of the new world and we are walking on new ground—there is risk and the need for responsiveness and humility.

As an undergraduate a few years ago, I sat through a lecture reviewing ideas and conclusions of the science and technology as it was twenty years previous. We laughed at the things people thought and practiced. The further we went back, the more we laughed. At the end of the lecture the professor dryly noted that in twenty years hence, people will be laughing at what we think we know today. That was around thirty years ago and it turned out to be so. Wait for thirty years from now...or just five.

Our programs and courses will need to evolve and reflect new knowledge at an unprecedented pace...this is not a cliché! We will have to have the means of fast integration of new knowledge into our programs. Our School's integrated approach to applied research, with education transfer being a core principle, will help us achieve that end. The new TEK initiative will be a critical part of the infrastructure required.

The School of Construction and the Environment is up to the challenge and moving along a path of the new and unknown with a lot of new and revised training, education and research activities — and having a lot of fun doing so. My thanks to the faculty and staff who are the School.

BCIT wins scholarship from Canfor

BCIT'S SCHOOL OF CONSTRUCTION and the Environment was recently awarded an annual scholarship by Canfor Forest Products Ltd. for providing support, direction and assistance in helping fulfill Canfor's corporate educational objectives. Jim Shepard, CEO of Canfor, felt that "Canfor's staff and executives have intimate knowledge of the production side of the equation, yet need more applied knowledge in how and where the products are utilized in wood frame construction."

Canfor contacted John English, Dean of the School of Construction and the Environment, who saw an immediate alignment with the mandate of the School's wood products initiatives, and an opportunity for a collaborative student learning experience.

The result of these consultations was the BCIT-Canfor Interactive Wood Framed Model Project, an industry initiated, collaborative, multi-departmental learning project.

The Project was headed by Donald Yen, MAIBC (Center for Sustainable and Environmental Initiatives) and Philip Chung, (Lead Model Builder/Instructor; Architectural Drafting and Design). Students and staff from many different fields were involved, including Drafting and Design programs, Carpentry, Architectural and Building Engineering Technology, Joinery, Painting and Glazing. In total, over a dozen students collaborated on the project, applying their expertise and



Pictured (l-r): Karen Ma; Scott Cogle; Praneel Panach; John English, Dean, School of Construction and the Environment; Jim Shepard CEO, Canfor; Don Yen; Josh Morgan; Philip Chung.

enthusiasm to produce a large-scale, highly detailed wood-frame model of a single-family house.

Through this experience, the students learned the importance of both project and teamwork planning required to achieve successful project completion. Philip Chung's exacting standards in model building kept the team aware of balancing "professional standards and quality assurance" with time management, a lesson often neglected in today's business world.

Participating students were selected for their enthusiasm and interest in the project.

No previous model-building experience was necessary. Students who were selected to participate on this project were able to earn a stipend for their extracurricular work and include the experience within their portfolio and resumes.

The collaborative results of this project proved to be a positive learning and teaching experience for everyone involved and has given Canfor an appreciation of BCIT's polytechnic approach to applied education.

The finished model is now displayed in Canfor's Vancouver office, where it is used by Canfor's staff to discuss various aspects of wood-frame construction.

BCIT program head brings water issues to the UN



Mark Angelo.

MARK ANGELO, PROGRAM HEAD of the Fish, Wildlife and Recreation program, has been instrumental in bringing water management concerns to international attention. As a result of Mark's efforts, the United Nations is launching the 'Water for Life Decade' this year, in order to bring a higher profile to global water issues. River enthusiasts from around the world will come together to participate in the inaugural 'World Rivers Day' on September 25th, 2005.

In future, this event will take place annually on the last Sunday in September, and is intended to be a celebration of the world's waterways. World Rivers Day is patterned after the highly successful B.C. Rivers Day in western Canada, which is already one of the biggest events of its kind in the world, attracting up to 75,000 people annually.

World Rivers Day will highlight the many values of our waterways. It will also bring increased public awareness, and hopefully encourage better stewardship of rivers around the world.

To find out more about water issues, and how to get involved with World Rivers Day, visit www.un.org/waterforlifedecade or www.riversday.bcit.ca.

New centre promotes green roof technology



Maureen Connelly.

IN RESPONSE TO GROWING demand from industry, BCIT recently applied for and won NSERC funding to expand its current capacity and create the Centre for the Advancement of Green Roof Technology (CAGRT).

"Green roofs" refer to specialized roofing systems that support vegetation growth on rooftops. Green roof technology offers multiple benefits to urban areas. It can reduce site level storm water runoff, lower a building's cooling/heating energy demand and extend the roof membrane's service life.

When widely adopted, it can reduce impact on the regional watershed, mitigate urban heat island effects, and improve air and water quality of the local community.

Through this award, BCIT will play a leadership role in advancing green roof technology and benefiting the local community. Testing and verification of materials and systems for suitability in B.C.'s climate will not only benefit local manufacturers, it will also increase consumer confidence, and hasten the adoption of green roofs regionally.

BCIT's students will be involved in various projects based on their disciplines and interests, either through course work or the co-op program with local companies.

BCIT's graduates will in turn become a highly qualified work force for the local community. The research facility, headed by Maureen Connelly, will also allow BCIT to conduct strategic research to quantify the benefits of green roofs on building and community levels, and further expand BCIT's applied research capacity. Finally, the field data on energy and storm water runoff will assist policy makers in developing effective policies and programs to promote green roof implementation in the local community. BCIT is well positioned to enhance innovation and economic development of the green roof industry in B.C.

Carpentry Framing and Forming program comes to Seabird Island

ON APRIL 22, 2005 A CEREMONY was held at the Seabird Island reserve, with 18 First Nations youth celebrating their successful completion of the BCIT Carpentry Framing and Forming certificate. It is always a special occasion to see young people complete a BCIT program, especially in this case as these students were not only proud of the training they had completed, but also recognized that they had provided the community with a new house and an expansion to a community building.

This initiative was a result of BCIT working closely with the Seabird Island Band education managers to create a program that suited the needs of the community and provided graduates with a solid start to a career. The training was phased with the first half of the certificate program (Framing – First Year Apprenticeship) being delivered in the spring of 2004 and the last half of the program (Forming – Second Year Apprenticeship) being completed in the Spring 2005 term.

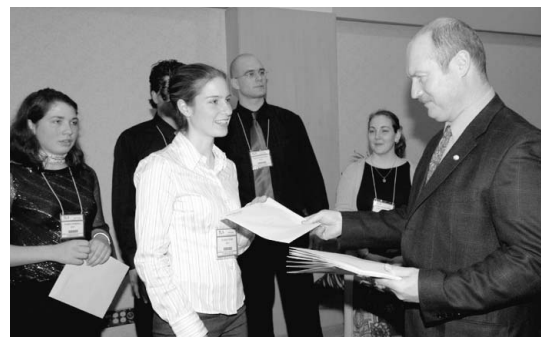
One of the most unique aspects of the training was the fact that it was delivered entirely on the Seabird Island reserve. The Band's education managers appreciated this aspect of the program, as it allowed them to stay current with the progress of their students while providing after-class support and lifestyle training.

Delivering the program within the community also allowed Carpentry instructor John Martan to design practical projects that were needed within the community. Projects included building a deck and framing a two storey house, as well as forming and pouring the walls for an expanded community building. The fact that the students were constructing permanent projects that were needed within the community created an added sense of importance and achievement for the students, the community and BCIT.



Seabird Island graduates from the Carpentry Framing and Forming Certificate program.

Students win at TLA convention



Forest Minister Michael de Jong presents a Truck Logger's Association scholarship for \$1,000 to student Maria Toms.

BCIT STUDENTS WERE THE big winners at the 62nd annual Truck Loggers Convention. Students from the Forest Ecosystem diploma program and the Forest Resources Technician program were each awarded \$1000.00 scholarships. The TLA offers \$10,000 annually to students within the Renewable Resources Technology program – this year Michael de Jong, B.C. Minister of Forests, was on hand to present the awards.

In conjunction with the convention, the TLA sponsored the second annual High School Event to showcase the large number of careers in the forest industry. Over 180 Lower Mainland High School students attended this event, with the BCIT scholarship winners acting as tour guides.

BCCA Women in Construction event a success

THE BCAA WOMEN IN Construction event, which took place on April 15, was a great success. This exciting initiative was organized by the B.C. Construction Association (BCCA) and involved the Vancouver Regional Construction Association (VRCA), Canadian Construction Women (CCW) and six lower mainland school boards. About 200 Grade 10 students were given the opportunity to tour a building under construction and to speak directly with tradespeople on the job. After the tour, the students returned to the Westin Bayshore Resort and Marina where they were joined by another 200 students on Vancouver Island through a webcast. Together the students were inspired by panel speakers that included our very own BCIT graduate Krystal Symons and the Honourable Ida Chong, Minister of Advanced Education.

BCIT has much to be proud of as a Gold sponsor to BCCA's Women in Construction event. The Trades Discovery program and the School of Construction and the Environment had about 18 students and six staff and faculty members working as volunteers. Faculty, staff, and students had an enjoyable



Women from the BCIT Trades Discovery program and the School of Construction and the Environment attended the BCCA Conference.

experience relating and talking to the high school students about BCIT's diverse range of construction programs.

Plan to attend our next event, Celebrating Women in Construction, on June 10th at BCIT's Burnaby Campus.

Announcement:

Celebrating women in construction: the Women in Construction Conference

June 10 at BCIT

If you're a woman working in construction or interested in becoming one, this is the event for you. You'll have the chance to network, explore options, and hear from industry leaders in this exciting field. For event details, visit www.womeninleadership.com.

BCIT Piping Department Wins Gold, Silver and Bronze Metals

THE BCIT PIPING DEPARTMENT students won first, second and third place at the provincial Skills Canada Plumbing competition at TRADEX on April 26, 2005. Third-year apprentice Matt Willett of Alpha Mechanical Ltd. was awarded the gold medal for his outstanding project, second-year apprentice Matt Robertson of Eagle Ridge Mechanical received the silver medal and first year apprentice Malcolm Webster of Pitt Meadows Mechanical received the bronze medal. With the financial support of BCIT Matt will now continue on to the Canadian competition in Edmonton.

A great deal of work goes into the preparation for this event with additional training required after the competition for the different skill sets in the nationals. Instructor Dale Pfaff will continue to work with Matt preparing him for the next round of competition. The Skills Canada competition showcases the high level of skills that are learned during the apprenticeship.

The Piping department students and staff put a great effort into preparing for the competition with the belief that the positive exposure will pay dividends to the entire industry.



The three winners (l-r): Matt Robertson (second), Matt Willett (first), Malcolm Webster (third).

The Masonry Institute of B.C. partners with the Department of Civil Engineering

OVER THE LAST FEW months, BCIT's Civil Engineering Department has been engaged in applied research related to the performance of masonry beams. Masonry is one of the world's oldest building materials, with a proven performance record measured in thousands of years dating back to the ancient civilizations of Mesopotamia and Egypt.

The masonry industry in British Columbia, represented by the Masonry Institute of British Columbia (MIBC), has wanted to verify the Code beam design recommendations typically used in Canadian construction. In the fall of 2004, MIBC partnered with BCIT's Civil Engineering Department by sponsoring a second year student, Hooman Hedayatnassab, in CIVL 4020, his industry-sponsored project course. Nine full-scale masonry beams were constructed in the department's structural lab, in the midst of renovations and a major expansion. Of the nine beams, three specimens representing each of the following masonry units were constructed: lintel blocks, bond beam blocks, and regular blocks. Each beam was 3.2 m long, 200 mm wide, and 400 mm deep, contained reinforcing steel, and was fully grouted.

In the first phase of the project, Mr. Hedayatnassab tested six beams to failure under increasing static loads. All specimens exceeded the load level prescribed by the Code. Of the six specimens, five failed in the shear mode characterized by diagonal cracking at the beam ends, while the sixth specimen

failed in flexure, characterized by the yielding of steel reinforcement and crushing of the masonry units near the middle of the beam. The second phase of the project, (to start in the fall of 2005), will see two of the damaged beams plus the remaining three specimens retrofitted by means of a composite fibrewrap overlay and re-tested to failure.

The industry sponsor was Bill McEwen, P.Eng., Executive Director of the Masonry Institute of B.C., while J.P. LeBerg of MIBC (a graduate of BCIT's Marketing Diploma program) coordinated the logistic support.



Hooman Hedayatnassab and Dr. Svetlana Brzev beside one of the beam specimens ready for testing.

Beam construction was made possible thanks to I-XL Masonry Supplies, Basalite Concrete Products, Dunbar Masonry, Rempel Bros Concrete, Gima Masonry and Venom Industries Ltd. Svetlana Brzev, Ph.D., P.Eng., an instructor in the Civil Engineering Department, was the faculty advisor for this project, while Ken Zeleschuk, Dipl.T., A.Sc.T., assistant instructor in the department, provided lab support. The Student Assistance Fund administered by the Technology Centre was used to purchase instrumentation items required for the project.

Forest Ecosystems instructor receives award from professional association

IN FEBRUARY OF THIS YEAR, Norm Shaw, instructor in the Forest Ecosystem option at BCIT, was recognized as Forest Technologist of the Year for the contributions he has made toward the recognition of Forest Technologists by the Association of B.C. Forest Professionals. The Association of B.C. Forest Professionals, with more than 4300 members, takes the responsibility for ensuring that the forests of British Columbia are managed by competent and well trained professionals. The association, which is now the largest professional forestry association in Canada, registers Foresters and Forest

Technologists under authority of the new Foresters Act.

As a result of Norm's contribution, the Association of B.C. Forest Professionals has, through the new *Foresters Act*, a new mandate to include Forestry diploma graduates as members of the Association. Membership in the association provides Registered Forest Technologists the legislated 'right to practice' forestry. The specific duties and responsibilities of Forest Technologists, as part of the Association, is defined in detail online at www.rpf-bc.org. The definition of responsibilities is significant as it represents



Rick Sommers presents the Association award to Norm Shaw.

the first formal recognition and definition of a career for Forest Technologists in the province. Under a "grandfather clause", nearly two thousand BCIT Forestry Diploma graduates have become eligible to become Registered Forestry Professionals (RFT's).

BCIT Electrical Construction student competes at WorldSkills 2005



Adam Byron.

ADAM BYRON WILL REPRESENT Canada at the WorldSkills 2005 Competition in Helsinki, Finland. This prestigious biennial competition will be held this year from May 26

to 29. About 800 competitors from nearly 40 countries will be participating. The opportunity to compete in the WorldSkills Competition is an honour and an achievement. Adam began his training early in the BCIT Secondary School Apprenticeship (SSA) Electrical Program at Princess Margaret Secondary School, and recently completed his second year of technical training in the Electrical Trades at the BCIT School of Construction and the Environment. He has won regional and provincial skills competitions and placed second in the SkillsCanada national competitions.

The WorldSkills 2005 Competition is a challenging experience that requires a great deal of preparation. Much support from BCIT faculty and staff, the Electrical Contractor's Association of BC, Mott Electric, Electrical Joint Training Committee, the B.C. Electrical Association, Wera Tools North America, IBEW Local 213, Ideal Tools, Seimens Electric, Eecol, Hansen Industrial Tool Supply and BD&M Marketing has been received in preparation for this event. After the competition, Adam will resume his training at BCIT and continue his apprenticeship with Mott Electric.

BCIT hosts conference on coast forest industry revitalization



Pictured (l-r): John English, Daniel Bowes, Dwayne Leskewitch (both Weyerhaeuser), Tony Knowles, Ken Shields (Raymond James), Tony Tanner and Peter Woodbridge

BCIT BROUGHT TOGETHER leaders of B.C.'s coast wood products industry, capital market providers, skills trainers and government leaders at a conference in March, 2005. The conference addressed the twin issues of coast industry revitalization and workforce development.

Keynote speakers included: Duncan Davies, President and CEO, International Forest Products Ltd.; Ken Shields, Chairman and CEO, Raymond James Ltd.; Daniel Bowes and Dwayne Leskewitch of Weyerhaeuser; and Rick Jeffery, President and CEO, Coast Forest Products Association.

"Human resource competitiveness clearly is a key issue for coast industry revitalization," said conference host John English, Dean of BCIT's School of Construction and the Environment. "BCIT is sponsoring this conference to improve the flow of information between employers and skills trainers, and to achieve vital inputs to designing new and more effective skills training programs," he said.

Students and faculty celebrate the launch of the Master of Science, Construction Management residential program



First row (l-r): Michael Da Silva, Alex Copping, Peter Elliott, Rosaline Baik, Arezou Pouria, Dana Francis.

Second row (l-r): David Bowles, Stephen Samuels, Marty Seale, Murray Amirault, Stephen Clements,

Third row from left: Roger Woodhead, and Ken Pope.

Construction Industry Association presents scholarship to BCIT student

ALAN CAO, A STUDENT IN THE Construction Management Bachelor of Technology program in the School of Construction and the Environment, received a scholarship in April, 2005. The award was presented by the British Columbia Construction Roundtable at the organization's 10th annual general meeting. At the same meeting, Beth Currie, program head of BCIT's Construction Management program was elected to the Roundtable's board of directors.



BCIT student Alan Cao and Beth Currie, program head of the Construction Management program are pictured with Frank Lin and Alan Russell from UBC.

The British Columbia Construction Roundtable is a non-profit organization whose mission is to provide an independent forum for decision-makers in all sectors of the B.C. construction industry to share information, examine issues and collaborate on new or more effective strategies for the healthy growth of the industry. It is independent of all other construction groups. For further information on the B.C. Construction Roundtable and its monthly seminars contact Jeannie Bates at bccroundtable@telus.net or visit the website at www.civil.ubc.ca/bccr/.

Announcement:

GNWC: Inter-Institutional Course on Sustainability

Great Northern Way Campus

June 20 – June 29

Info Session: May 18, 2005

6:30 p.m. – 7:30 p.m. Place: SW1, Room 2016

This six credit, Trans-disciplinary and Inter-institutional course will focus on urban sustainability, active transportation and community engagement. It is open to students of all faculties and departments at collaborating institutions, with the course instructor's permission. Credit can be applied towards the student's own degree/diploma, pending approval of the home department. There is significant field work required.

Please note: Bicycles are required

BCIT Canadian Housing and Construction Centre (CHCC)

January 2005 – CHCC, at the request of the Chilean Wood Association, and in cooperation with DuocUC's School of Construction in Santiago, delivered a presentation on the advantages of wood-frame construction to representatives from the Chilean government and construction industry.

February 2005 – CHCC, in cooperation with the Council of Forest Industries, hosted a delegation comprised of senior representatives from the Taiwan Construction and Planning Administration, the Chinese Architecture and Building Centre and the National Association of Architects (ROC).

March 2005 – CHCC in cooperation with the Shanghai Real Estate Education Centre delivered the first two wood-frame training seminars to be delivered in Shanghai. The seminars drew participants from across China.

April 2005 – CHCC visited Brunei Darussalam to meet with representatives from the Ministry of Development – Housing Department who will be sending a delegation to BCIT to learn more about the use of wood-frame construction practices and how they can be adapted for use in Brunei Darussalam, both in the revitalization of Kampong Ayer, as well as in new construction of land-based housing.

Publishing information

The BCIT *Update* is published throughout the school year by the Marketing and Communications department.

Submissions are welcome, and should be forwarded to the editor by *Update* deadlines. While every effort will be made to accommodate all submissions, please note that inclusion depends on the amount of space available. To ensure your story is included, book your space with the editor in advance of the submission deadlines.

Upcoming Update submission deadlines:

May 16 for the June 7 issue

June 13 for the Convocation issue

The editor reserves the right to edit for brevity, libel and accuracy.

Update is available on the web by going to www.bcit.ca/update.

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Editor

Dianne Mackay

604-456-8105

Dianne_Mackay@bcit.ca

Design, layout, and prepress

Leah Ibbitson

604-432-8738

Leah_Ibbitson@bcit.ca

Distribution

Julie Ali

604-451-7072

Julie_Ali@bcit.ca

Contributors

Tom Abbuhl

Janeen Alliston

Mark Angelo

Greg Cairns

Maureen Connelly

John English

Steve Finn

Randy Friesen

Denise Gorgosilich

Marrett Green

Wayne Hand

Alison Jones

Marita Luk

Christian McArdle

Mary-Lou Murray

Tamara Sinfield

Wayne Stevens

Tony Tanner

Michelle Traynor

Peter Yanciw

Photographer

Thomas Abbuhl

Scott McAlpine

Printing

BCITimaging