



WHAT'S NEW – February 2006

VOLUME 15 ISSUE 1

FOR THE MEMBERS

TO THE MEMBERS

BY THE MEMBERS

Executives of 2006

President	Cuong Vuong
Past President	Wing Choy
VP - Membership	Eddie Young
VP - Communication	Michael Kan
Treasurer	Chris Chan
Secretary	Patrick Wong
Director of Technology	Celina Duong
Director of Recreation	Annie Duong
Director of Recreation	Elaine Lau
Webmaster	Bryan Wai

Upcoming Meetings

ECES technical dinner meetings qualify for APEGGA professional development hours (PDHs) and are normally held on the 2nd Monday of the month unless it falls on a holiday then the meeting will be held on the 3rd Monday of the month.

February 13, 2006

“Alberta Bridges”

Presented by [Mr. Tom Loo, P.Eng.](#)
Director of Bridge Engineering
Alberta Infrastructure and Transportation

March 13, 2006

“Leading-Edge Technology at Edmonton’s Gold Bar Wastewater Treatment Plant”

Presented by [Mr. Darryl Seehagel, P.Eng.](#)
Supervisor, Wastewater Research & Training Centre
City of Edmonton

April 10, 2006

“Constructability of the North Saskatchewan River Bridge”

Presented by [Dr. Mekdam Nima, Ph.D, P.Eng.](#)
Manager, Bridges
Earth Tech (Canada) Inc.



Place: Mirama Restaurant, 2nd Floor, 9431 Jasper Ave,

Time: 6:00 PM (networking), 6:30 PM (dinner)

Cost: \$15 (member) / \$10 (student member)

\$25 (non-member) / \$15 (student non-member)

Prices include GST & gratuities)

Contact: Celina Duong, at celina.duong@gov.ab.ca to register.

Meet our new 2006 Executives!



PRESIDENT **CUONG VUONG, E.I.T.**

I am currently employed at Stream-Flo Industries Ltd. as a Product Designer for the last 5 years. I graduated with a B.Sc. in Mechanical Engineering from the University of Alberta in 1997 and have lived in Edmonton for most of my life. I have been participating as an active member with ECES for almost 9 years. I believe ECES is a wonderful resource for individuals with various backgrounds in education and culture. Not only is the society accredited by APEGGA and allowing you to claim for PDHs but it is also a great place to meet and learn about new and/or current projects. ECES is also a great way for networking and for new engineers to meet perspective employers. I want to demonstrate to the public that engineering is a proud and respectable profession. Hopefully this can steer young minds towards engineering as a possible path for their future educational development.

VP-COMMUNICATION **MICHAEL KAN, P.Eng.**

I am working with the City of Edmonton, Drainage Services, for more than 2 years. I joined the ECES as a member in 2003, and was the Director of Recreation in 2004 and VP communication in 2005. Being a member and an executive of the ECES has provided me an opportunity to meet more friends. I obtained a lot of different information and knowledge from the monthly technical meetings. I enjoy other ECES activities such as BBQ, golfing and anniversary banquet. Improvement of ECES newsletter is my goal for the society this year. Therefore, your comments and suggestions on the ECES newsletter are important to me.



VP MEMBERSHIP **EDDIE YOUNG, P.Eng.**

I am a Professional Mechanical Engineer working for Infratech Corporation as a Thermal System Designer specializing in Incinerator designs for 7 Years. I joined the Edmonton Chinese Engineers Society (ECES) in 2003, and was the VP for recreation in 2005. Being a member of the ECES has provided me with the opportunity to meet new people, and given me the opportunity to develop my professional skills through interaction with other professionals, and update information on technical matters through monthly meetings. My goal for this year, as your new VP Membership, is to increase the number of new members to the society through promotions and out reach programs, such as issuance of membership certificates to members of the society in recognition for their participation. I enjoy working with the ECES members and I look forward to a fun and successful 2006 year. I believe the best contribution that any professional can give is to get involve with their professional association and give back to the society what they have received.

TREASURER **CHRIS CHAN, P.Eng., CMfgT**

Currently, I am the Engineering Manager at Vetco Gray Canada Inc. I have worked in the Canadian oil patch for some 27 years, primarily in the Wellhead Equipment and Gate Valve design and manufacture. I have also worked in service rig manufacture, down hole tools and blow out preventers.

My goals for ECES is to promote Engineering in the community, assist potential engineers to find gainful employment and network with other engineers.

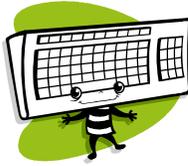


Executive Introductions con't...

SECRETARY

PATRICK WONG, E.I.T.

I graduated from the University of Calgary with a B.Sc. in Civil Engineering in 2000. Currently I am working with Alliant Engineering & Consulting Ltd. for the last 4 years. I joined the ECES in 2001 and became an executive in 2004. As a Secretary in our society, I keep track of all the executive meeting minutes, and send out invitations for our anniversary banquets. Throughout the years with ECES, I found it very valuable with the opportunities to work with other executives as a team, meet with new people in different fields, mingle with young engineers in student nights, as well as helping out the new immigrant engineers. I enjoy being part of this young and energetic team. I look forward to seeing you in our monthly technical meetings.



DIRECTOR OF TECHNOLOGY

CELINA DUONG, P.Eng.

In 1998, I started my career with Alberta Environment after graduating from Chemical Engineering at the U of A. In my current position, I am reviewing applications and drafting approvals that set emission limits for industrial facilities.

I've been involved with ECES since 1998 and often contributed my job at Alberta Environment to ECES. In my 9 years, I've held the various positions and for the last two terms have taken on the role of Director of Technology. In this role, I chair the monthly technical meetings and ensure that the topics are diverse and interesting. Throughout these years, ECES has been a great networking tool for me to meet new people and has provided opportunities to build my technical knowledge in various areas. If you have an

interesting topic you would like to share with us, please let me know!

DIRECTOR OF RECREATION

ELAINE LAU, E.I.T.

I graduated from the U of A with a B.Sc. in Civil Engineering in 2005. I am currently employed with the City of Edmonton as a Transportation Engineer. I have been an active member with ECES since 2003 and have found that ECES is an excellent resource for establishing network contacts with industry peers. The monthly technical meetings are informative and have provided me an opportunity to gain better knowledge of various fields of engineering.

As Director of Recreation, I plan to organize and promote more events for students and existing members to have the opportunity to network in a technical, but fun environment. Who said engineers can't have fun?

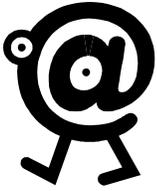


DIRECTOR OF RECREATION

ANNIE DUONG, E.I.T.

Currently, I am working at EBA Engineering Consultants Ltd. as a transportation engineer. I just graduated in May so I am still new to the engineering and working world.

I have been participating in the ECES since 2001 and now the Director of Recreation for 2006. The ECES provides great opportunities to gain more knowledge in your field and network with fellow engineers and other professionals. It is a great way to meet different employers and companies. The technical meetings held every month are diverse and informative. So get involved and have fun! I know I will try to organize some exciting events for all our old and new members. Hope to see you soon!



WEBMASTER
BRYAN WAI, E.I.T.

Currently I am employed at Alliant Engineering as a draftsman and bridge engineer. I graduated from the U of A with BSc. in Civil Engineering in 2002 and working on my MSc. in Civil Engineering. This is my first year joining the ECES and able to serve as the Webmaster for 2006.

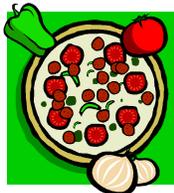
ECES has provided me the opportunity to meet new people. It also allows me to gain knowledge upon meeting Professional Standard. In 2006, I hope to establish a better way for all engineers to build their network. Implanting and updating the most recent issues which enable others to come to the ECES website. Hopefully this will be a great year for all of us!



Previous Events

Student Night (September 2, 2005)
University of Alberta (5:30-7:30 PM)

Annually, ECES organizes a joint “Student Night” with other societies on campus to canvass students with information from the societies. Over 200 students participated. Wing Choy, Daniel Woo, Patrick Wong and Michael Kan were the members helping out at this event. The turn out was excellent since there was free pizza and pop for everyone to enjoy!



Annual BBQ (July 10, 2005)
Hawrelak Park

To thank members for the year’s support, the BBQ was *free* for members, friends and family. We had a very good turn out with about 80 to 90 people joining us for the BBQ. Everyone enjoyed the delicious food and cold drinks. Thank you to all the executives who helped to organize this event especially our ECES Recreation Director, Eddie Young and Secretary, Patrick Wong.

Annual Golf Tournament
(August 20, 2005)

Whitemud Creek Golf and RV Course



We had twenty people in the golf tournament. Our Honorary Director, **Mr. John McDougall**, P. Eng., CEO & President of Alberta Research Council donated our very first winner trophy which will be the annual trophy for the golf tournament. He also donated the first winner prize too. We thank you John for his support to our Society. Everyone got a prize in the end and the event was very enjoyable!

1st place winner: 45 strokes
Henry Wong,
EBA Engineering Consultants Ltd.

2nd place winner: 47 strokes
Allan Kwan
Alberta Infrastructure and Transportation

Best sportsmanship award
Mae Chan, Intec

Congratulations to all the winners! After the 9-hole game, all the players gathered at the Beijing Beijing Buffet House for a delicious buffet lunch. Hope to see you on the greens next year!

Previous Technical Meetings

September 12, 2005

“Control Systems for Fault Tolerance and High Reliability”

Dr. Qing Zhao, P.Eng., Ph.D.

Electrical and Computer Engineering
University of Alberta

Her presentation was given on the research activities conducted in U. of A. in the area of FTC, followed by an introduction of a fault diagnosis design based on wavelet analysis and SOM neural network.

October 17, 2005

"Challenges Faced to Construct a Unique and Architecturally Complex Tilt-Up-Panels Residential (Mansion) Structure Utilizing 3D Cad and Animation"

Dr. Mohamed Al-Hussein, P.Eng., Ph.D.

Construction Engineering and Management
University of Alberta

Dr. Al-Hussein was involved in the construction of a new 2,045 sq. ft. residential home in Long Island of New York. The home used 108 uniquely designed pre-cast concrete panels. The concrete panels' weights range is from 1,300 – 27,600Kg (3,000-61,000lb). The length and height of the concrete panels are extended up to 10.5m (35ft.). The project will be completed in about 18 months.

November 14, 2005

ECES Election and presentation

“Nanoscale Circuit Design and Its Bio-Medical Applications”

Dr. Jie Chen, P.Eng., Ph.D.

Electrical and Computer Engineering
University of Alberta



After the election, Dr. Chen presented an informative speech on nanoscale device and circuit design, and nanotechnology for cross-

disciplinary bio-medical applications. Dr. Chen is an Associate Professor at U of A and is also nominated as a fellow of National Institute of Nanotechnology. He is a Distinguished Lecturer in the IEEE Circuits and Systems Society (2004-2005), and a senior member of IEEE. He is the chair-elect of Life Science Systems and Applications Technical Committee of IEEE Circuits and System Society.



December 12, 2005

Annual General Meeting (AGM) and Christmas Party (gift-exchange)

Celina Duong chaired the AGM and gift-exchange. All formal businesses were carried out before the gift-exchange. Past President Choy reported on the events carried out in 2005 and also provided his vision for the coming year. Good networking occurred during the gift exchange.

January 9, 2006

“Trains, Planes and Automobiles”

Mr. Knut Ohm, Rail Safety Officer

Alberta Infrastructure and Transportation

Mr. Ohm gave us an overview of the current regulations and legislations for trains and the technological changes for trains, planes, and automobiles. Mr. Ohm was the past Chairman of the Airside Committee for Airline Transportation Association of Canada and Dangerous Goods Committee, and one of 12 elected members in the world to the International Airline Transportation Association – Dangerous Goods Board and Air committee vice chairman. Prior to becoming a railway safety officer, Mr. Ohm spent three years in healthcare, left as the director of general services in 2004 and joined the Alberta Government.



APEGGA

Job Find

On June 29, 2005, an immigrant engineers “Job Find” was organized by APEGGA and was held at Coast Terrace Inn. It attracted a lot of immigrant engineers from all over the world. Past President Choy, Daniel Woo, Allan Kwan and Michael Kan were the members representing our society. We introduced our Society to other immigrant engineers. Some of them were interested to join our Society and attended our BBQ on July 10, 2005. Although this is the pilot project of APEGGA, it was very successful.

Career Corner

Job links can now be found on our website, check them out at www.eces.cc! Remember that, according to the University of Alberta Career and Placement Services statistics, **80% of job opportunities are NOT advertised**. Therefore, **networking** is an important avenue for job hunters and the ECES technical meetings are an excellent opportunity to network in a casual environment. Also, for ECES members, the ECES web resume databank is a free service! Send us your resumes or job opportunities to include on the website.

Community Activities



Fundraising for Chinese Library

The Chinese library located at the Chinese Cultural Centre needs more funding for the books, computer and interior finishing. In the past, our Society and its members has always helped out with the Chinese community. We are looking for donations from our members. Please support the good cause for the generations to come to support our culture and send your donation to our address c/o ASSIST.



Edmonton Chinese Garden

Our Past President, Wing Choy, is currently the Vice Chairman of the Edmonton Chinese Garden Society. Wing reported that the Phase 1 construction of the project is near completion. The Chinese Garden is actively fundraising for the completion of the garden. For donations or support information, please contact Wing Choy at <mailto:wing.choy@gov.ab.ca>.

“Reach for the Star”-- Donors’ Recognition Program

TITANIUM STAR: \$50,000 and more

PLATINUM STAR: Between \$10,000 and \$49,999

GOLD STAR: Between \$5, 000 and \$9,999

Name inscription on a plaque, displayed in the garden

SILVER STAR: Between \$1,000 and \$4,999

BRONZE STAR: Between \$100 and \$999

Name inscription on donor’s wall at the garden



“Reach for the Star” is the latest fund development program. It is designed to honour those donors, who have supported the project continuously. Anybody who has donated \$10 or more, will be given a tax receipt, and our database will show this record. The “Reach for the Star” program recognizes past contributions. Say, for example, if you have so far donated \$625 to the Society, all you need is to donate another \$373, you will be able to reach the Silver Star status, and you have till December 31, 2007 to do so.

Finally, all the donors’ names and the amount they have donated will appear on the website. However, addresses and phone numbers will not be disclosed for security reasons.



Membership

If you are not a member yet, consider joining us or if you are a member, don't forget to renew your membership for 2006-2007.

Please make cheque payable to the Edmonton Chinese Engineers Society and mail to:
EDMONTON CHINESE ENGINEERS SOCIETY
c/o ASSIST Community Services Centre
9653 – 105A Avenue
Edmonton, Alberta, Canada T5H 0M3

Different categories of membership fees:

Premium Package - \$200

- One full year membership
- Ten dinner admissions for one person at the Technical, Election and Annual Meetings
- 2 tickets for the Anniversary Banquet

5-Year Full Membership - \$100

Full five year membership

1-Year Full Membership - \$30

One full year membership

Associate and Student Membership - \$15

- One full year associate membership
- Associate members: Unregistered Engineers, Architects, Accountants, lawyers, doctors, Technicians or Other Professionals

*Student members: Students registered at Universities or Colleges

Membership Certificate (Something new!)

To show our appreciation to you for joining our society, you will be receiving an official ECES membership certificate with your unique membership number. Eddie Young will be developing membership certificates for all our members. These certificates will be handed out at our monthly technical meetings. Stay tuned!

Upcoming...

Anniversary Banquet

Once again our executives have big plans for this year's anniversary banquet. It will be held on May 27, 2006 at the Mirama Restaurant. Our featured speaker will be Dr. Wenran Jiang from the University of Alberta. Details to follow!

Scholarship

Do you know of a second year engineering student? What are you waiting for? Send his/her resume to Chris Chan at <mailto:chriskchan@shaw.ca>. The successful recipient will receive their \$500 scholarship certificate at the anniversary banquet. Contact Chris for more information.

Annual BBQ

Our two young and energetic Directors of Recreation have already made plans for us in the upcoming year. To thank members for the year's support, the BBQ will be *free* for members, friends and family. The BBQ will be held on **Saturday, July 8, 2006** (11:00- 3:00). Don't forget to book that date on your calendar!



Comments and suggestions for newsletter improvements? Email the VP - Communications, Michael Kan at michael.kan@edmonton.ca. We look forward to hearing your feedback comments!