

## CHAIR'S REPORT

I hope the fall finds you all relaxed and re-energized. I need some of that energy. We are looking for a volunteer for the Computer Chapter Chair position. Since we cooperate with the Software Division of the American Society of Quality, most of the meetings for the 2002/2003 years have been planned. Though the Computer Chapter is very active, there is a lot of help available.

IEEE Canada is looking for a Life Member to be the Western Canada Life Member representative. Ron Potts, the Life Member Chapter Co-coordinator for Canada, feels that life members can contribute significantly to supporting chapter events and operations. If you are interested in participating, contact the Ron Potts at [potts@mail.caninet.com](mailto:potts@mail.caninet.com) or Dr. Om Malik at [maliko@ieee.org](mailto:maliko@ieee.org) or (403) 220-6178.

I would like to let you know about the IEEE Canadian Foundation. In 2001, the IEEE Canadian Foundation awarded \$71,000 in grants and scholarships. The IEEE Canadian Foundation promotes active student branches, rewards IEEE student volunteer efforts with individual scholarships and funding for interesting projects, and adds value to the IEEE experience. If you are interested in donating money to this foundation (tax receipts issued) see the web site at ([www.ieeecanadianfoundation.org](http://www.ieeecanadianfoundation.org)) or send an email to [icfbod@ieee.org](mailto:icfbod@ieee.org).

The IEEE now has a history web site. Check [http://www.ieee.org/organizations/history\\_center](http://www.ieee.org/organizations/history_center) for major historical events related to electrical engineering. In 2006, it will be the 50th anniversary of the IEEE Southern Alberta Section. To mark the event, we are looking for suggestions for historical events that could be nominated for a commemorative plaque, if you have ideas contact the executive as noted in the contact list section.

If you are doing school presentations, or get requests for information on electrical engineering for school programs, check <http://www.ieee.org/organizations/eab/precollege/> for support for teaching programs.

Colette Bielech, P. Eng.

## AGM NOTICE

I invite you to meet your IEEE SAS executive at the Annual General Meeting, and come and listen to a timely topic.

Speaker: Ross Keating of Canadian Hydro Developers  
Topic: Sustainable Wind and Hydroelectric energy  
Location: Port O'Call Inn, Yankee Beacon room,  
1935 McKnight Blvd. N.E.

Format: Dinner meeting  
Time and Date: Saturday, November 16, 2002, 6:30 p.m.  
Email [c.Bielech@computer.org](mailto:c.Bielech@computer.org) for reservations or leave a message at 276-8143 by November 1. See the attached poster for more details. Please post copies at your work.

## WOMEN IN ENGINEERING

The IEEE SAS Women in Engineering web page has been updated. Please check:  
[http://www.ewh.ieee.org/r7/southern\\_alberta/html/events/women/womens\\_coordinator\\_page.htm](http://www.ewh.ieee.org/r7/southern_alberta/html/events/women/womens_coordinator_page.htm) for new links of interest.

The High Tech Women's Network will be starting their lunch schedule in September. The meeting on Tuesday, October 15, 2002 will feature Dr. Thomas Keenan, Dean of Continuing Education, University of Calgary. For more information, see <http://www.htw21c.calgary.ab.ca>

## OTTAWA ELECTRICITY DEREGULATION SYMPOSIUM & TUTORIAL (EDST 2002)

In October 2001, the Ottawa branches of the IEEE Ottawa chapters of PES and RS, and the IEE Ottawa Branch hosted a successful half-day seminar on Electricity Deregulation, which attracted more than 90 attendees. This year, we are following up on the success with a one-day program, the IEEE Ottawa chapters of PES and RS, and the IEE Ottawa Branch will jointly hold the "Ottawa Electricity Deregulation Symposium and Tutorial (EDST 2002)" on

Nov.1/2002, at Ben Franklin Place, Centrepointe Theater, in Ottawa, Ontario, Canada.

For more details, please visit this website:  
<http://ewh.ieee.org/soc/pes/ottawa/EDST2002/>

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Dr. Wahab Almuhtadi, P. Eng.  
Chair, Ottawa IEEE PES

## IEEE COMPUTER/ASQ CHAPTER MEETINGS

\*\*\*\*\* 2002 \*\*\*\*\*

SEPT 25 The Silent Revolution in Semantics: Its Impact on  
Programming and Program Quality  
Robin Cockett, University of Calgary

OCT 9 Overview of the New Certified Software Quality  
Engineer Body of Knowledge  
Sherry Heinze, Diversity Consulting Limited

OCT 23 Standards, Models – What's Still Relevant to the  
Software Industry?  
Marielle Chevrier, Tantara Inc.

NOV 6 Introduction to Software Engineering Processes  
Colette Bielech, Autodesk

**All Meetings are scheduled at 6:30 p.m.**

**Room 103, DeVRY Institute of Technology**

DeVRY's new campus is located at the intersection of  
Memorial Drive and Barlow Trail at 2700 3rd Avenue S.E.

To get on the email notification list or to get more  
information about these talks, send email to [info@software-quality.ab.ca](mailto:info@software-quality.ab.ca).  
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## IEEE SAS COMMUNICATIONS CHAPTER

**T**he IEEE SAS Communications Chapter will be having  
a tour of the communications and control equipment  
located at the Control tower of Calgary International Airport  
on October 8, 2002, promptly at 7 PM. Space is limited to  
15 people so please let me know as soon as possible if you

wish to attend. I will respond to indicate if we have a space  
for you or if I must place you on a waiting list and provide  
driving instructions.

You can contact Vaughn Schuler at 403-207-3126 or email at  
[vschuler@cal.devry.ca](mailto:vschuler@cal.devry.ca). to reserve your spot. The control  
tower is located at 1500 Aeroroad NE. (west side of airport  
near Deerfoot  
Mall.)

Also, a proposal has been made for the Communications  
Society to form a joint chapter with the Microwave Theory  
and Techniques Society (MTT) and/or the Antennas and  
Propagation Society (APS). If you wish to support or  
oppose this proposal, please communicate your wishes to  
Vaughn Schuler, Communications Chapter Chair at  
[vschuler@ieee.org](mailto:vschuler@ieee.org) or raise them at the AGM on November  
16, 2002.

## UPCOMING CONFERENCES

MILCOM Oct 7-10, 2002 Anaheim, California  
GLOBECOM Nov 17-21, 2002 Taipei, Taiwan  
WCNC March 16-20, 2003, New Orleans, Louisiana  
OFC March 23-28, 2003, Atlanta Georgia

## POWER ENGINEERING SOCIETY INDUSTRY APPLICATION SOCIETY

would like to welcome everyone to the Power Engineering  
Society/Industry Application Society. My goal is to  
**I** make the Southern Alberta Section chapter an active  
participant in helping you stay up to date in your field. I  
am striving to put together a program that provides you  
with interaction with your peers and a learning experience at  
the same time.

Looking through our membership list I have found that I  
know quite a few of you, so don't be surprised if I phone you  
up to ask for some help in putting together a program!

Some examples of the monthly topics we will be putting on  
this year include a tour of the system controller, approaches  
to risk analysis in the electrical field, latest advances in  
reliability and maintenance, advances in protection and  
control and even a seminar on career transitions for the  
electrical engineer. We have more programs being organized,  
so watch the newsletter and your email for future  
announcements.

If there is anything you can suggest or a topic you would like  
to share with your peers, please email me at  
[al.chan@eal.ab.ca](mailto:al.chan@eal.ab.ca).

PS – everyone is welcome to the PES/IAS seminars –  
including non-IEEE members and students.

Al Chan

# ROBOTICS & AUTOMATION SOCIETY

The International Aerial Robotics Competition (IARC) was recently held at Calgary Olympic Park, July 29 – August 2. This competition is the main academic robotics challenge for students in aerospace and robotics engineering. It is one of the three AUVSI sponsored competitions that are held each year across North America.

CDL Systems, a software development company of Calgary, generously sponsored this competition. The other sponsors were: AUVSI, Novatel, IEEE, DeVRY Calgary, and the US military.

The objective of this, the 4th mission of IARC, is to ingress over a 3-kilometer range, fully autonomously, and identify one to three different possible scenarios. This first being a hostage situation where the robot must identify hostages from captors, the second to assess a site where a nuclear accident has occurred, the third and final scenario is to deploy a smaller robot to record an ancient tapestry before it's impending destruction.

Teams from the US and Canada competed in this first event held in Calgary, and it is expected to continue for the next three years, culminating in a fly off of teams from Europe and North America during the Centennial celebrations in Alberta. See website at:  
[avdil.gtri.gatech.edu/AUVS/IARCLaunchPoint.html](http://avdil.gtri.gatech.edu/AUVS/IARCLaunchPoint.html).

Peter Bovell  
RAS Chair

## MTT AND APS MEMBERS WANTED!

Microwave Theory and Techniques (MTT) and Antennas and Propagation (APS) are two IEEE Technical Societies that deal with applied electromagnetics. MTT's field of interest includes microwave theory, techniques, and applications, as they relate to components, devices, circuits, and systems involving generation, modulation, demodulation, control, and detection of microwave signals. The field of interest of APS includes experimental and theoretical advances in antennas, the propagation of electromagnetic waves, and applications pertinent to antennas and propagation, such as remote sensing, applied optics, and millimeter and sub millimeter-wave techniques.

We are looking for MTT and APS members in SAS, as well as people interested in joining MTT and/or APS. For more information, please contact Elise Fear at 210-5413 or [fear@enel.ucalgary.ca](mailto:fear@enel.ucalgary.ca).

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