

The Product Safety Engineering Newsletter

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Vol. 5, No. 3 September 2009

President's Message

The clock is ticking on the future of the Product Safety Engineering Society. See Presidents Message in PSEN Vol. 5, No2, June 2009.

As the year is coming to an end, it is time for our Symposium and it is time to renew your IEEE Membership. As our society needs to get to 1000 members in the next few months, we need every one to renew their membership in the society. If you are doing cost cutting and are wanting to drop your IEEE membership, please continue to be a member of the society by switching to affiliate status.

At last count we are up to 684 members of the society. So we still need all current members to try to help us increase membership. Although we have some things we are trying in order to improve the numbers, we cannot take a chance, so please mention it to anyone you know who works in compliance.

As for the Symposium it is just weeks away and has a lot of great tracks. See Doug Nix's article on it in this

newsletter. For those of you who are outside of the USA and cannot afford to attend the symposium, please consider writing an article for this newsletter. We could use some good content about the safety requirements for products in countries outside of North America. Not to mention articles on topics other than IT.



We are also in need of a new Treasurer, as the current Treasurer is next year's Society President and he cannot hold both offices. Now that we are off of the TAB Fincom watch list, it is not as hard of a task as it used to be. We also are supposed to have a Gold Member on our BoD. If you are a Gold Member and would be interested in being on the PSES BoD, please contact me. Please also consider starting a chapter in your area or volunteering to help chair the committees under the Vice Presidents of our society. They are all overworked and could use your help.

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Executive Committee	Name	Term
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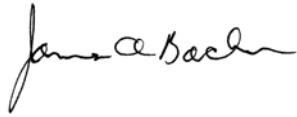
Term Expires 12/09	Term Expires 12/10	Term Expires 12/11	Ex Officio (without vote)
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			Gold Member: Open

IEEE PSES Web Sites

- <http://www.ieee-pses.org/>
- <http://www.psessymposium.org>
- <http://www.ieeecommunities.org/emc-pstc>
- <http://www.ieee-pses.org/emc-pstc.html>
- <http://www.ieee-pses.org/newsletters.html>
- <http://www.ieee-pses.org/pses.html>
- <http://www.ieee-pses.org/jobs.html>



The bottom line is that there are few resources available that can provide to those in the compliance field, what PSES will deliver if we keep it moving.



James A. Bacher
President IEEE PSES



Symposium on Product Compliance Engineering

World Markets
Create Opportunity

KNOWLEDGE
COMMUNITY
PROFESSION

Toronto, Canada
October 26-28, 2009



www.ieee-pses.org/symposium

Chapter Safety Probes

**To see current chapter information please go to the
chapter page at:**

<http://www.ieee-pses.org/Chapters/index.html>

Congratulations to the IEEE Hong Kong Section
Product Safety Engineering Society Chapter for
starting a new Chapter.

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Symposium on Product Compliance Engineering



World Markets Create Opportunity

Knowledge
Community
Profession

Toronto, Canada
October 26-28, 2009

<http://www.psessymposium.org>



Celebrating 125 Years
of Engineering the Future

IEEE Symposium on Product Compliance Engineering

Toronto SPCE 2009

by Doug Nix

It's hard to believe, but the 2009 Symposium on Product Compliance Engineering is nearly on us!

We have a brand-new web site dedicated to the Symposium: www.PSESymposium.org. We are meeting in Toronto, Ontario, and you'll find everything you need on this site, including program outlines, registration and hotel reservations and information about Toronto's arts and leisure opportunities.

This is the first time the Symposium is being held outside the U.S., and we in Canada are honored to be the hosts! Toronto is our largest city, with a population of more than 10 million in the Greater Toronto Area. Canada's manufacturing heartland surrounds Toronto, and stretches from Montréal, Québec in the east to Windsor in the west. Toronto boasts world-class theatre productions, art, science and sport museums, major league sports and many other attractions. All of this is easily reached by car or public transit from the hotel. For those wanting a bit longer adventure, Niagara Falls is a two hour drive away. Our nation's capital, Ottawa, is a five hour drive from the hotel.

Our venue for this year is the beautiful Hilton Markham Suites hotel on the northern edge of Toronto in the suburb of Markham. The hotel offers fabulous suite rooms, two restaurants, and a bar on-site, plus a huge fitness center and a spa! The Hilton has rolled out the red carpet for us, offering room rates that are hard to beat in the Toronto area.

The hotel is close to historic Unionville, settled more than 200 years ago and still beautiful. Many of the original buildings in the village have been

lovingly restored, and more than 60 shops, cafés and galleries await visitors. The village also hosts many great events each year from music festivals to Oktoberfest. Main Street, Unionville is only 2.5 km (about 1.5 mi) from the hotel. More information can be found on the Symposium web site under the "Venue" tab.

Education in safety engineering is a key focus of the Product Safety Engineering Society. This year's Keynote will be given by Dr. Marc Rosen of the University of Oshawa Institute of Technology (www.engineering.uoit.ca/people/rosen). Dr. Rosen is an award winning educator and will be speaking on "Improving Safety Aspects of Engineering Programs." This is a key area for future development of our field, and one that is only beginning to be addressed by post-secondary educational institutions.

We've been working hard with our authors and Track Chairs to come up with a compelling agenda of presentations on product safety topics from EMC and Functional Safety to Fan Guarding and Product Liability Control. We had a record breaking number of submissions this year, with authors from China, Russia, The Seychelles and many other parts of the world providing us with papers for review. The Program this year is broken up into five tracks. With the exception of the General Track, each track focuses on one specific area of interest.

We are continuing our one-day FEATURED WORKSHOP on EMC and Functional Safety, Chaired by Keith Armstrong from Cherry Clough Consultants in the UK. Functional Safety is coming to the forefront as one of the key areas of product safety engineering that overlaps with EMC engineering and is little understood by many safety professionals. As we add more sophisticated controls to our products, embedding microcontrollers and software into products that

have never before benefited from these technologies, we are seeing increasing numbers of “unexplained” safety-related failures. Forensic analysis of these systems often yield no obvious failures in the hardware or the software, so what happened? Attend this workshop and start learning about Functional Safety from some of the world’s foremost experts in this field.

Our Medical Devices Track will delve into the inner workings of the new edition of IEC 60601-1. This track is Chaired by Leo Eisner of Eisner Safety Consultants, and supported by Global Advantage International. The third edition of IEC 60601-1 is bringing significant changes to the certification for medical devices, and is advancing the application of risk management methodologies via ISO 14971. Topics for the sessions in this all-day track include: IEC 60601-1, 3rd Ed., CB scheme related to IEC 60601-1, 3rd Ed, ISO 13485:2003, human factors, reliability, risk management, design controls, safety and effectiveness, standards, regulatory requirements. Speakers in this track include Sandy Weininger from the FDA, Alf Dolan from Virginia Tech, Dr. George Samarras, and others.

Product liability is always a concern for manufacturers, so this year we are bringing you a brand new approach to this discussion. The Product Liability Track, Chaired by Kenneth Ross of Counsel to Bowman and Brooke LLP, will look at product liability law in Canada, the USA and the EU, giving you the chance to see three sides of this important piece of the regulatory puzzle. Sessions include “Compliance vs. Safety: What’s the difference?,” “Introduction to U.S., Canadian and EU product liability and safety regulatory law,” and “Law and preventive techniques as they relate to post-sale duties including recalls and retrofits.” This will be an interesting and important track for new and experienced engineers.

New this year is the Forensics Engineering Track, Chaired by Ivan VanDeWeg from Case Forensics. Forensic Engineering provides important data for new designs and for accident investigation and product liability. Sessions include “Bringing Science into the Courtroom”, “Investigating potential safety issues in field returns” and “Arcing and Fires – Case Studies”. If you are interested in

incident investigations and forensic engineering practice, this is a track you should not miss.

We have five professional development seminars lined up to follow the symposium this year—an all-time record! iNARTE is offering their regular Certification Examination and their all-new iNCLA Laboratory Auditor training course. If you participate as an auditor in ISO 17025 lab audits, this course is for you. CSA is offering two seminars, one on Medical Devices that will build on the content of the Medical Devices Track and a Power Quality and EMC Seminar. TUV Rheinland of North America is offering a complementary International Approvals Round Table. Get more information and register for these popular seminars by visiting the “Seminars” tab on the Symposium web site.

The Steering Committee has burned the midnight oil over the last 12 months to get ready for this year. We’ve grown the committee to include a number of positions that we’ve never had in the past, including Past Chair, Marketing Subcommittee and four specialized Track Chairs. All of the extra hands have made the work on organizing the symposium go more smoothly, and have allowed us to reach out as never before. We’ve also integrated the EDAS system for Technical Program Management, allowing us to have better control over our Technical Program and improved paper reviews. Thanks to everyone on the Steering Committee for your efforts to make this the best Symposium yet!

See you in Toronto!

Doug Nix, A.Sc.T., is the SPCE General Chair.



IEEE PSES Membership savings

UL University Offers IEEE PSES Members 15 Percent Discount

UL University (ULU) has established a discount code which will provide all IEEE-PSES members with a 15 percent discount off the price of all ULU instructor-led workshops, online programs, videos, books, and other services/products offered under the ULU brand. The discount is automatically applied during registration or purchase of ULU products. Registration or product purchase can be accomplished online at www.uluniversity.com or by calling 888-503-5536 in the U.S. or the country-specific number posted on the ULU website.

To receive the discount, members must enter or mention the discount code found in the Members Only section of the PSES website.

If you or any member has specific questions regarding ULU products or services, please call or email me or call the local country specific number posted on the UL University website.

Tony Robertson
Manager – Customer Training

Advantages of Membership in the IEEE PSES

Makes you part of a community where you will:

- Network with technical experts at local events and industry conferences.
- Receive discounts on Society conferences and symposiums registration fees.
- Participate in education and career development.
- Address product safety engineering as an applied science.
- Have access to a virtual community forum for safety engineers and technical professionals.
- Promotion and coordination of Product Safety Engineering activities with multiple IEEE Societies.
- Provide outreach to interested engineers, students and professionals.
- Have access to Society Publications.



IEEE

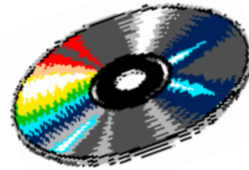


E-Mail List: <http://www.ieee-pses.org/emc-pstc.html>
Virtual Community: <http://www.ieee-communities.org/emc-pstc>
Symposium: <http://www.ieee-pses.org/symposium/>

Membership: The society ID for renewal or application is “043-0431”. Yearly society fee is US \$35.

Past IEEE-PSES Symposium Records

CD Purchasing Information



SYMPOSIUM PAPERS ON CD:

The Product Safety Engineering Society continues to offer past symposium records for sale on CDs. The cost for the CD is \$35 plus shipping and handling for IEEE members; \$50 plus shipping and handling for non-IEEE members. At this time, check or money orders are the means for payment. Please provide the following information:

CDs to be shipped to- (Please print or type.)

Name: _____

Mailing address: _____

IEEE member number: _____

Shipping and handling: \$5 per CD

Payment: Check or money order.

Make Check or money order to: "IEEE Product Safety Society"

Quantity: _____ x \$35 = _____ for IEEE members

Quantity: _____ x \$50 = _____ for non-IEEE members

Specify what years you would like (2004 through 2008 are currently available):

S&H: QTY _____ x \$5 = _____

Total = _____

Send payment to:

IEEE Product Safety Engineering Society
c/o Richard Georgerian, PSES Board of Directors
7103 Sioux Court
Longmont, CO 80504
U.S.A.

Depending on stock availability allow 2 to 3 weeks for delivery.

New PSES Members from 23 June 2009 Through 29 September 2009

Our new members are located in the following countries: Canada, El Salvador, France, Germany, India, Italy, Switzerland, United Arab Emirates, United Kingdom, USA

Alexey Shipkov
Allan Paul Saadus
Anita S Lee
Camille Alma
Christina Nickolas
David J Taylor
Don Parikh
Donald C Lerner
Doug Kramer
Eugene Jensen
Feras A Mazloum
Frank Dominguez
Ginger Grace Walden
Giuseppe Barisan
Glenn Luchen
Grant Schmidbauer
James L Knighten
James Thomas Okeeffe
Jd Johnson
Jeff Nordby
John D Flavin
John D Loud
John M Woodgate
Joseph Danisi
Joseph P Degregoria
Keith Ng
Kevin E Mccandless
Kwesi Ambaah Smith
Lalit P Bhaiya
Malasse Olaf

Marianne Gretz
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Marlon Alvarez
Michael Loerzer
Michael K Choi
Nicholas Karlovich
Nikolaos Golas
P J Notarian
Pradeep Theepireddy
Ralf Haefner
Richard A Jones
Robert T Loughran
Robert V Delisi
Samuel Bradbury
Sarina Adhikari
Scott A Aschenbrenner
Shaun Downey
Steve Conlon
Thomas G Livernois
Thomas H Cybula
Tim Calland
Tom Driggers
Tonge N Tonge
Vijay K Kohli
Wencong Wang
Wendell Harvey
Werner Windler
William M Hess
William P Cantor
Wilson V Varga

The Product Safety Engineering Newsletter is published quarterly during the last month of each calendar quarter. The following deadlines are necessary in order to meet that schedule.

Closing dates for submitted articles:

1Q issue: February 1
2Q issue: May 1
3Q issue: August 1
4Q issue: November 1

Closing dates for news items:

1Q issue: February 15
2Q issue: May 15
3Q issue: August 15
4Q issue: November 15

Closing dates for advertising:

1Q issue: February 15
2Q issue: May 15
3Q issue: August 15
4Q issue: November 15

Institutional Listings

We invite applications for Institutional Listings from firms interested in the product safety field. An Institutional Listing recognizes contributions to support publication of the IEEE Product Safety Engineering Newsletter. To place ad with us, please contact Jim Bacher at j.bacher@ieee.org

The Product Safety Engineering Society will accept advertisements for employment and place looking for work ads on our web page. Please contact Dan Roman for details at dan.roman@ieee.org.

FULL PAGE \$770

1/2 PAGE \$430

1/4 PAGE \$230

Business Card \$400/year

COVER \$945

The
Product
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Newsletter

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