

The Product Safety Engineering Newsletter

Vol. 8, No. SE September 2012



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Symposium Edition

On behalf of the Portland, Oregon Chapter of the Product Safety Engineering I would personally like to welcome each of you to the 9th Annual IEEE Product Safety Engineering

Society's Symposium on Product Compliance Engineering! I am a proud, native Oregonian; and I am excited that many of you will be visiting the beautiful Rose City for the first time. Portland is known for many things, chief among them "being green"! One of the many advantages that our members and guests will have this year is the ability to get from the airport to the hotel and from the hotel to every corner of the city on the "MAX", Portland's nationally recognized light rail system. This saves the average attendee approximately 200.00 in car rental and fuel. One of the other

advantages to visiting our beautiful state will be the opportunity to start your Holiday shopping TAX-Free!

I look forward to meeting each of you personally while you're here; I'll be the slightly harried blonde with the "Welcome to Oregon" smile on my face.

Anna M Klostermann

General Chair



Keynote

Donald L. Mays

The Safety Challenge

Every day we take risks; some are calculated while others are totally unknown. Understanding risk is the first step in developing any strategic safety program. But the lack of understanding can lead to product-related injuries or deaths, product recalls, and financial and reputational damage to your company. Don Mays will provide the audience with “food for thought” by sharing his unique perspectives on product safety and intelligent ways for mitigating risk. He will also provide the audience with a safety challenge – a ubiquitous safety problem that is in dire need of an innovative solution.



BIO:

Don Mays is the Director of Product Safety at Deloitte & Touche LLP in the firm's Audit and Enterprise Risk Services (AERS) practice. In his current role, he directs the firm's product safety consulting and compliance services.

Don was formerly the Senior Director, Product Safety and Technical Policy for Consumers Union / Consumer Reports. He led his organization's product-safety program in its effort to reduce the number of unsafe products in the marketplace and help educate consumers about hidden safety hazards. As a highly regarded public spokesman, Don made regular appearances on television and was regularly invited to testify before Congress and government agencies.

Don has held the positions of Vice President of Retail and Consumer Product Services for the Intertek Group and of Technical Director of the Good Housekeeping Institute. He has worked successfully to strengthen mandatory and voluntary safety standards, and to develop safety standards where none previously existed.

He currently serves on the boards for ASTM-International and the American National Standards Institute, and was formerly on the board of the International Consumer Products Health and Safety Organization.

USA citizens, do not forget that the symposium is on the USA election day, so you will need to file for absenteeism voting, if you want to vote in the 2012 election.

EMC Workshop Track #1

Day 1:

I. EMC Regulations and Standards – Henry Benitez (AM after keynote address)

- Historical Outline of EMC and Product Safety
- EMC Worldwide Regulations – General
- EMC Product Family Standards
- EMC Test Standards
- IEC 61326-1 Product Family Standard
- CISPR 32/35 Consumer and ITE Products

II. Latin American Certifications – Leslie Bai (~11 am – Noon)

III. Wireless regulations

- All about 5GHz – Leslie Bai (1:30 pm – 3:00 pm)
- Break (3 pm – 3:30 pm)
- FCC / EU Wireless Regulations - Mark Briggs (2 pm – 3:30 pm)
- Wireless Modular approvals – Mark Briggs (3:30 pm – 5:30 pm)

Day 2:

IV. EMC Design - Mark Montrose, Elya Joffe, (Time slots to TBD)

- PCB
- Grounding -
- Filtering
- Layout
- Shielding
- TBD

Day 3 (1/2 Day):

V. EMC Troubleshooting

- KISS EMC — Jim Bacher (8a – 8:30 am)
(Includes Antennas, Transmission lines, Signal Return Planes, Ground Noise, Capacitors, Ferrites and Inductors, Parasitic affects due to poor placements, tool.
- EMC Troubleshooting and Cool Tools – Ken Wyatt (~8:30 am – 12:30 pm) Note: 30 minute break included.

Medical and Risk Assessment Track #2

National Implementations of IEC 60601-1:2005

by Leo Eisner

Merging Speed to Market With Compliance

by Mark Leimbeck

Essential Performance as related to IEC 60601-1:2005 (3rd edition)

by Grant Schmidbauer

Main Differences between IEC 60601-1 3rd ed. and IEC 60601-1 2nd ed

by Grant Schmidbauer

Panel Discussion on the implementation of 3rd edition of IEC 60601-1

by Steli Loznen

"Risk Management applicable to IEC 60601-1:2005 (3rd edition)"

by Steli Loznen

"How a testing house need to deal with IEC 60601-1:2005 (3rd edition)"

by Steli Loznen

Insulation Diagram

by Frank O'Brien

Usability Engineering

by Frank O'Brien

A Study on a management system for pursuing product safety of consumer electronics products using Hazard based assessment

by Yasuo Harada

Functional Safety Growing Pains: Equipment Supplier Challenges On Implementing ISO 13849 and EN 62061

by Mark Fessler

A Global Perspective regarding Machine Safety

by Michael Loerzer

Risk Assessment 102: Trends, Tips, & Future Techniques: Thoughts & Insights from Twenty Years of Practice

by Mike Sherman

Product Risk Assessment and Management.....

by Luiz Claudio B Araujo

Electric Shock Hazards - Risk Assessment and Safety Management

by Thomas Lanzisero

The Relative Impact of Control Reliability on Machinery Risk

by Douglas S. G. Nix; Thomas Doyle

CSA Z1002 - Development of the First Canadian OHS - Risk Assessment Standard

by Douglas S. G. Nix; Thomas Doyle

Batteries and EMC Track #3

"Safe Batteries for a New Era of Automotive Mobility"

by Markus Meiler

Fulfilling the Unlimited Range Promise to Go Oil Free: A Vision Becomes Reality

by Mirko Kerschbaum

Lithium Ion Abuse Testing Methods Improvement

by Erik Spek; Mehdi Hosseinifar

Development of Li-ion Batteries for Toyota vehicles

by Monique Richard

Large Scale Energy Storage Systems

by Devarajan Maheswaran

Understanding IEC 62133 A closer look at design and documentation requirements, the testing involved, and typical hurdles to obtaining certification

by Charles Weitzel

System Safety and ISO 26262 Compliance for Automotive Lithium-Ion Batteries

by Gokul Krithivasan; Jody J Nelson; William Taylor

A Review of Battery Development Programs Sponsored by the Department of Energy With an Emphasis on Safety

by James Barnes

Combustion Properties of Gases Released from Lithium-Ion Cells During Adverse Thermal Events

by Kevin White

Grounding Architecture Design for Wireless Base Stations - EMC and PS Considerations

by Dheena Moongilan

Methodology to Model and Design Cost Effective RF Connectors for Electromagnetic Compatibility Testing

by Intikhab Hussain; Ahmed Shafqat; Abid Mushtaq; Ahsan Azhar; Yasir Iqbal

Introduction to Lightning and AC Power Fault Surge Protection for Telecom Signaling Cables

by Joseph Randolph

The Use of TDR and FDR Techniques to Characterize a GTEM Chamber for EMI/EMS/EMC Pre-Compliance Test

by Humberto Xavier de Araujo; Luis Kretly

Radio Approval in Taiwan

by Grace Lin; Alpha Liu; Cliff Wang

RF Exposure Requirements for Wireless Approvals

by Greg Kiemel

Schedules, content and room locations subject to change. Check the final schedules when you arrive at the symposium.

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General Track # 4

Strategies for Tracking Regulatory Requirement Changes

by Ted Eckert

Survey of Power Supply Safety Design

by Gary Tornquist

Corporate Evaluation of Guidance issued by accredited test labs, Notified Bodies, National Certification Bodies, Conformity Assessment Bodies, et al

by Brian O'Connell

From Risk to RAPEX to Recall - How to deal with European Product Safety Requirements

by Thomas Klindt

RoHS 2: Creating Technical Documentation for the RoHS Recast (2011/65/EU)

by James Calder

DC High-Energy Arcing Ignition (HAI) Resistance for Polymeric Materials. Part I: Consistency and Repeatability of DC-HAI System

by Hai Jiang

Safety Considerations of Wireless Charger For Electric Vehicles — A Review Paper

by Hai Jiang

New Editions of ANSI Standards for Warnings

by Steven Hall; Judith Isaacson; Charles Burhans; J. Paul Frantz; Timothy Rhoades; Raina Shah; Stephen Young

Understanding prospective touch voltage and its measurement

by Flore Chiang

Cutaneous burn at an elevated ambient air temperature

by Flore Chiang

Taiwan BSMI Requirements for Certification Model - Declaration of Conformity (DoC)

by Jesson Chen

Fuse Selection Criteria for Safety Applications

by Ray Huang; Stig Nilsson

10 Things You Should Know About NEBS

by Dave Lorusso

The New Product Safety Act in Germany

by Michael Loerzer

An experience in product comparison for microwave ovens in Argentina

by Silvia L. Diaz Monnier; Andrea Méndez

New GB 4943.1-2011 and its implementation (CCC Mark)

by Marshal Zhang

Writers Workshop

by Douglas S. G. Nix; Peter Perkins

Product Safety need a horizontal Testing Standard?

by Steli Loznen

Peak Measurement of Touch Current Update

by Peter Perkins

China certification

by Mingming Li

Reducing Product Liability Exposure - "An Ounce of Prevention is Worth a Pound of Cure"

by Douglas Fleming

How to Conduct a Site Investigation: Practical Tips and Tactical Considerations

by Ward Morrison, Jr.

Determination of clearances in accordance with IEC 60950-1, 2nd edition (draft)

by Lal Bahra

Acceptance of SC3C validated symbols

by Lal Bahra

Electrical Safety Tester Verification: Proper Techniques for Ensuring Validity of Regulatory Tests

by Nicholas Piotrowski

General Track # 5

Edition No. 1 of the New Canadian & U.S. Hazard-based Safety Standard for Audio/Video, Information & Communication Technology Equipment, CSA C22.2 62368-1/UL 62368-1, including the development, content and impact of its National Differences

by Thomas M Burke, PE

Multimedia Equipment, ITE, and the New CISPR EMC Standards

by David Arnett

Inaugural Steps Towards Global Implementation of IEC 62368-1

by Thomas M Burke, PE

Understanding the Role of Software in Product Failures Forensics

by John Martens; Ashish Arora

The Beelzebub Zone Forensics

by Louis Bilancia



COMPLETE TEST SYSTEMS FOR EMERGING TECHNOLOGIES

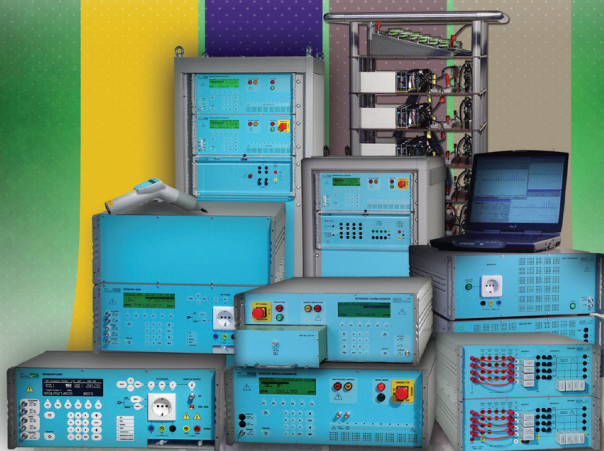
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Electric Vehicles



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Schedule

Room 1	Room 2	Room 3	Room 4	Room 5
Speaker Breakfast - Room TBD		Opening Plenary - Anna KERNOTE		
Strategies for Tracking Regulatory Requirement Changes - Ted Ebert				
RT (Regulations Track)	WT - Medical Track	BBT (Battery Track)	EMC WORKSHOP - Henry	10 Things You Should Know About NEBS - Dave Lonasso
RT (Regulations Track)	WT - Medical Track	BBT (Battery Track)	EMC WORKSHOP - Henry	The New Product Safety Act in Germany - Michael Lortzer
RT (Regulations Track)	WT - Medical Track	BBT (Battery Track)	EMC WORKSHOP - Henry	From Risk to ROPeX to Recall - How to deal with European Product Safety Requirements - Thomas Kindl
Break				
RT (Regulations Track)	WT - Medical Track	BBT (Battery Track)	EMC WORKSHOP - Henry	Construction and verification of thermocouples used for Type Tests - Brian O'Connell
RT (Regulations Track)	WT - Medical Track	BBT (Battery Track)	EMC WORKSHOP - Henry	Outaneous burn at an elevated ambient air temperature - Faye Chiang
Break				
Room 1	Room 2	Room 3	Room 4	Room 5
Speaker Breakfast - Room TBD				
New Editions of ANSI Standards for Warnings - Steven Hall	WT - Medical Track	BBT (Battery Track)	EMC WORKSHOP - Henry	DC High-Energy Arcing Ignition (HAI) Resistance for Polymeric Materials, Part I: Consistency and Repeatability of DC-HAI System - Hai Jiang
Acceptance of SCSO validated symbols - Lal Bahra	WT - Medical Track	BBT (Battery Track)	EMC WORKSHOP - Henry	Fuse Selection Criteria for Safety Applications - Ray Huang
Break				
Corporate Evaluation of Guidance Issued by accredited lists, Notified Bodies, National Certification Bodies, Conformity Assessment Bodies, et al - Brian O'Connell	WT - Medical Track	BBT (Battery Track)	EMC WORKSHOP - Henry	Survey of Power Supply Safety Design - Gary Tomquist
Lunch				
An experience in product comparison for microwave ovens in Argentina - Sylvia Diaz Worrner	RAT/ Risk Assessment Track)	EMC TRACK	EMC WORKSHOP - Henry	Safety Considerations of Wireless Charger For Electric Vehicles — A Review Paper - Hai Jiang
How to Conduct a Site Investigation: Practical Tips and Technical Considerations - Ward Morrison	RAT/ Risk Assessment Track)	EMC TRACK	EMC WORKSHOP - Henry	Determination of clearances in accordance with IEC 60559-1, 2nd edition (draft) - Lal Bahra
Break				
RoHS 2: Creating Technical Documentation for the RoHS Recast (2011/65/EU) - James Calder	RAT/ Risk Assessment Track)	EMC TRACK	EMC WORKSHOP - Henry	Understanding prospective touch voltage and its measurement - Faye Chiang
Taiwan BSMI Requirements for Certification Modes - Declaration of Conformity (DOC) - Jesson Chen	RAT/ Risk Assessment Track)	EMC TRACK	EMC WORKSHOP - Henry	Electrical Safety Tester Verification: Proper Techniques for Ensuring Validity of Regulatory Tests - Nicholas Piotrowski
Break				
Room 1	Room 2	Room 3	Room 4	Room 5
Speaker Breakfast - Room TBD				
Reducing Product Liability Exposure - "An Ounce of Prevention is Worth a Pound of Cure" - Douglas Fleming	RAT/ Risk Assessment Track)	FT (Forensics Track)	EMC WORKSHOP - Henry	EMC Track
Product Safety: need a horizontal Testing Standard? - Shih Lozhen	RAT/ Risk Assessment Track)	FT (Forensics Track)	EMC WORKSHOP - Henry	EMC Track
Break				
China certification - Mingyong U	RAT/ Risk Assessment Track)	FT (Forensics Track)	EMC WORKSHOP - Henry	EMC Track
New GB 4943.1-2011 and its implementation (CCC Mark) - Manbia Zhang	RAT/ Risk Assessment Track)	FT (Forensics Track)	EMC WORKSHOP - Henry	EMC Track

Best Paper

New This Year! Best Paper Award

By Murlin Marks

The organizing committee for ISPCE 2012 is excited to announce the first annual Best Paper Award. At a special ceremony, the organizing committee for ISPCE 2012 will give a Best Paper Award. This paper will be selected from four peer-reviewed papers that were nominated by one or more reviewers.

The four nominated papers are:

1. **DC High-Energy Arcing Ignition (HAI) Resistance for Polymeric Materials**, by Hai Jiang.
2. **Electric Hazards - Risk Assessment and Safety Management**, by Thomas Lanzisero.
3. **Fuse Selection Criteria for Safety Applications** by Ray Huang and Stig Nilsson.
4. **Introduction to Lightning and AC Power Fault Surge Protection for Telecom Signaling Cables**, by Joseph Randolph.

We hope that you and your colleagues will enjoy these and the other excellent papers at ISPCE 2012!

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://product-compliance.oc.ieee.org/>

Symposium: <http://psessymposium.org/>

Membership: The society ID for renewal or application is "043-0431".

President's Message

Dear Colleagues and Fellow PSES Members,

Membership and Networking

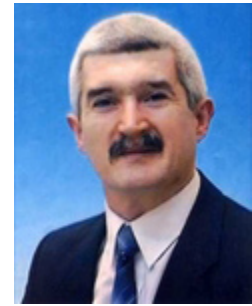
One of the factors that your Board of Directors watches and debates from time to time is membership, and why people join our Society, and why many remain members long after they have retired. Most discussion in the past has centered about services and publications we provide, or the financial services available from IEEE, or the depth of training available at our Symposia, etc. However, in recent months, many of us have asked (ourselves) why “we” as individuals remain as PSES members. None of those other things we had previously talked about were the number one with any person I had spoken to.

The single, most important reason we all agreed on was “networking”, which, in simple terms, means the human interaction with others of our like interest. We stay for the people. For the people we may meet, for the people we already know, and for the memories of the people who are no longer with us. This is a very non-technical reason, but also a very human one. In retrospect, this is something that we might have expected. We call ourselves a “Society”, and for many of us, it was clear that society interaction is the sole reason why we are, and remain, members. The chance to meet and talk with other like-minded people, the chance to exchange ideas, debate concepts, and receive a warm handshake when the discussion is completed is just too good to pass up.

So, where do these special interactions occur? Many happen at our Symposium, or at our Chapter colloquia or meetings. The requirement is two people interested in the same thing, and a willingness to share their experiences and ideas. If you have missed these opportunities, I invite you to participate in any one of several PSES events scheduled this year to find out what this is all about. You may be pleasantly surprised to discover that such events are followed by a number of exciting opportunities that will never be listed on the planned agenda.

If you have yet to discover the mind-expanding experiences awaiting you with a truly exciting

personal interaction afforded by one of our gatherings, I urge you to give it a try, and make a special effort to talk to someone there at a break, or when the “official” program ends. I think you will be glad you did.



Be Prepared... IEEE International Symposium on Product Compliance Engineering, ISPCE 2012 in Portland, OR, November 2012 is Under Way

I would like to take this opportunity to invite you all join us in the IEEE International Symposium on Product Compliance Engineering, ISPCE'2012 in the beautiful city of Portland, Oregon!

In light of the economic situation, budgetary cut-backs are expected and observed, but... I encourage you not to sacrifice your professional future due to temporary financial setbacks. After all, continuity in our professional education and advancement is crucial to our careers. The Symposium is essentially where we learn our trade, keep up to date with new inventions and innovations, and most of all – meet our colleagues and peers.

Remember the “networking”? Where better can you network with your past friends and colleagues, and make new friends, than at the Symposium? “Virtual Communities” are OK, but at the end of the day, there is no substitute to the “face to face” interaction, to the drinks in the bar, to the opportunity to discuss papers and...

Under the leadership of Symposium General Chair, Anna Klostermann and Technical Program Committee Chair, Gary Tornquist, the Technical Program Committee has lined up a remarkable and exciting Technical Program with something for everyone attending the Symposium.

Oh, and of course – you may take this opportunity – even to attend our Board of Directors Meetings (held in conjunction with the Symposium), just in case you had the time, inclination and opportunity. Please remember that all meetings of the PSES Board of Directors are open. Any member who

Continued on Page 14

2012 IEEE Symposium on

PRODUCT COMPLIANCE ENGINEERING

Keynote

Don Mays

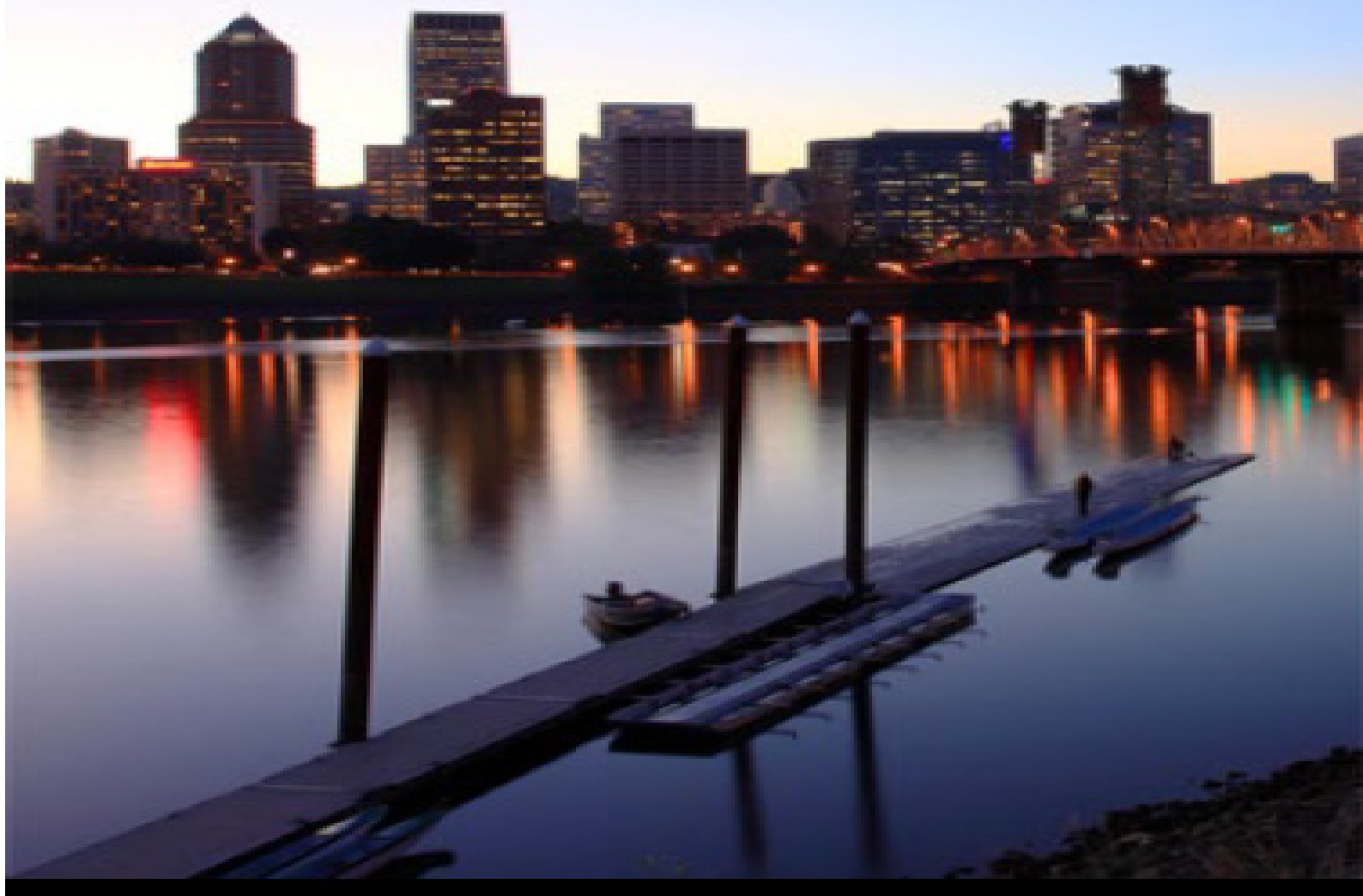
Director of Product Safety

Deloitte & Touche LLP

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Portland, Oregon



wants to attend are most welcome. This would be your opportunity to take a look at the manner our Society is run, and even have chance to express your own opinion on issues in debate. You may even find it interesting enough to make you want to run for the Board at its next election!

In conclusion, may this Symposium support the exchange of technical information between people and society and enhance the quality of life for all people in our global village through the constructive application of technology.

I look forward to meeting you all in Portland!

Elya B. Joffe, P.E., iNCE



President
IEEE Product Safety Engineering Society
e-mail: eb.joffe@ieee.org

If you learned about the symposium through this newsletter, please include code PSEN8VNSE in the Promotional Code box on the Event Payment page.

It can ONLY be used towards a discount on a full registration (IEEE Member, Non-member, or Student/Life Member - NO exhibit hall only) through October 15, 2012.



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PSES Election

Be Sure to Vote!

by Murlin Marks

No, I'm not talking about *that* election! Although you (U.S. citizens) should vote in that one too, regardless of your political views.



2012 IEEE PSES Nominations Committee: Murlin Marks (Past-President and Chair; murlinm@ieee.org), Jim Bacher (j.bacher@ieee.org) and Jim Knighten (Jim.Knighten@Teradata.com)

I *am* talking about our IEEE Society 2012 Election for our AdCom, our society Board of Directors. See <http://ewh.ieee.org/soc/pses/bod.html> for our current AdCom. Our Nominating Committee has put together a great slate of seven individuals who represent diverse backgrounds and ideas for our society. You need to select four from this qualified group.

It's important for every PSES member to vote before the 1 October deadline. We are a young IEEE society, and IEEE considers member participation as an important indicator of our professionalism. The IEEE on-line voting is really slick and in just a couple of minutes you can read the candidate bios and vote. Members should go to https://eballot3.votenet.com/IEEE_SE.

Our seven candidates are:

Luiz Claudio Bonilla de Araujo

Bill Bisenius

Lijuan Hao

Richard Nute

Kevin Ravo

Dr. Kai San Lock

Grant Schmidbauer

ISPCE 2012 is a great place to meet your AdCom! Also, if you'd like to run for AdCom in 2013, our Portland conference is a great place to "press the flesh."

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Conference Plans

Doug Nix

Conferences are one of the great benefits of being a PSES and an IEEE member. In 2010, IEEE organized over 1600 conferences around the world. With that kind of selection, it can be really hard to choose the ones you want to get to, and with the global economic situation what it is, many of us are finding that our employers are less and less open to helping us get to these important events.



This year's ISPCE in Portland promises to be one of the best conferences that PSES has ever organized! The exhibit hall has more vendors registered than any previous year, we have more formal papers and presentations than ever before, and we are adding a new Companion Program to the event, so that partners that have joined us for the travel, but who aren't interested in the technical program, can get out into the Portland area, see the sights and meet old friends and make some new ones. It's going to be a GREAT event!

Next year, 2013, marks the 10th Anniversary of the formation of the PSES as an IEEE Society, and we will be meeting in Austin, Texas, 7/9-Oct-2013 to celebrate. Mr. Gary Schrempp of DELL, Inc., Gary_Schrempp@Dell.com, is the General Chair for the 2013 ISPCE. Planning for that event is already underway, and we're expecting it to be a great event as well.

In 2014 we are making a major change to the ISPCE, moving it to the spring from our traditional fall dates. We chose to do this after hearing from many members that the fall was a very busy time, and that there were frequent conflicts for their time around the ISPCE dates. In 2014, we will be meeting in Santa Clara, CA, 12/14-May-2014. This event will mark the 10th Anniversary of the first PSES Symposium, held in Santa Clara in 2004. This will be a big event for us, and we're looking

forward to being back on the West Coast for this celebration. Mr. Kevin Ravo of UL is the General Chair, Kevin.L.Ravo@us.ul.com. Planning for this event will be starting in detail in 2013, so if you are interested in getting involved, please contact Kevin to discuss the opportunities.

We are also co-sponsoring GLOBESpace'2014, the 2014 GLOBAL SYMPOSIUM ON EMC, SAFETY AND PRODUCT COMPLIANCE ENGINEERING in Tel Aviv, Israel, along with the IEEE EMC Society. This is a new conference runs 3/6-Mar-2014, and is one of the first that PSES has co-sponsored in Region 8. Mr. Elya Joffe, eb.joffe@globespace.org, is the General Chair for this event. Watch for the Call for Papers!

In 2015 we return to the Midwest, bringing our ISPCE to Chicago, IL, 11/13-May-15. Mr. John Allen of Product Safety Consultants, Inc. is the General Chair.

In 2016 we are seeking a city and a General Chair. If you think you might be interested in getting involved in organizing one of our Conferences, please contact me, dnix@ieee.org, or call me at +1 (519) 729-5704, or Skype at cic-inc to discuss the opportunities!

Peer Reviewed Papers

Peer-Reviewed Papers to be Presented at ISPCE 2012 and Published In IEEE Xplore

by Murlin Marks

I am pleased to report that with the help of our Editorial Board, more than twenty technical papers have been peer-reviewed for ISPCE 2012. These papers represent original material that impressed the reviewers with their quality and relevance for the product safety and compliance engineering community. Four papers were placed in nomination for the Best Paper Award for ISPCE 2012.

IEEE requires that all papers put into the IEEE Xplore data base be peer reviewed by at least two experts in the field. The papers must meet this requirement and be presented by the author at ISPCE 2012 to be submitted to Xplore as a conference paper. As a young society, with a primarily industrial base, we do not have a ready academic source of papers. With this year's submittal of industry- and academic-sourced papers we continue to build a base for increasing this vital source of high-quality information for our profession.

For the budding writer, our webinar Writing Technical Papers is a great way to get an

understanding of the process of writing a technical/scientific paper to be published by IEEE.

Thanks to all the authors and reviewers who have put so much effort in building a solid source of technical information for us all.

Editorial Board - Murlin Marks, Chair

John Allen

John Barnes

Tom Burke

Jack Burnes

Ted Eckert

Richard Georgerian

Elya Joffe

Doug Kealey

Kevin Ravo

Gary Schrempp

Daren Slee

Jan Swart

Gary Tornquist



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Writers Workshop Webinar

Doug Nix

One of the major goals for the PSES is the growth of formal paper submissions to both the ISPCE and to the Society. There are a number of great reasons for this, including the growth of technical knowledge in our field, the opportunity for product safety practitioners to share their knowledge and to a lesser degree, increasing revenue to the Society so that PSES can continue to grow and offer more services to our members.

We realized that one of the big challenges for many of our members is the Formal Paper. It sounds pretty daunting. Many of our members feel they cannot contribute formally since they are not involved in research in their work. We came up with the idea of running a Writer's Workshop as a webinar and this spring we did just that.

The Writer's Workshop webinar ran four times, once in May and June, and twice in July. We had 29 registrants in May, 20 in June, 15 and 13 in the July sessions.

The Workshop covers the basics of formal writing, including the structure of a formal paper, ways to develop an idea into a paper, ways to convert successful presentations into formal papers, peer review, copyright and of course, plagiarism. As part of the workshop, we provided an extensive attendee's package that includes many resources for writers, including IEEE Style Guides, template files and much more.

The virtual events were so successful, we decided that we will offer it again at ISPCE in Portland this coming November! If you have ever thought about writing formally, come to the workshop. Take the opportunity to explore what it takes to publish your ideas!

I look forward to seeing you in Portland!



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INCOMPLIANCE
Magazine

Companion Club

New This Year!

Companion Club

Make new friends or reconnect with old friends in the Companion Club Hospitality Suite. The suite will be available for morning or afternoon refreshments or to just get refreshed! Companion Club includes a continental breakfast, coffee, tea, snacks, and a goodie bag. The suite will also have free wi-fi, a charging station and volunteers to help with directions, activity ideas and transportation information.

Cost Total: \$25.00 per person.

Possible group activities in the local and surrounding area such as wine tasting and tours may be offered at an additional cost. Check back later.

Planning for Portland

Use these web sites for things to do around town:

www.portlandmonthlymag.com/events

www.oregonlive.com - Click on the Entertainment tab for Music, events, dining and more.

Secure your own tours on your own schedule, with or without a companion at:

www.portlandwalkingtours.com

www.evergreenescapes.com

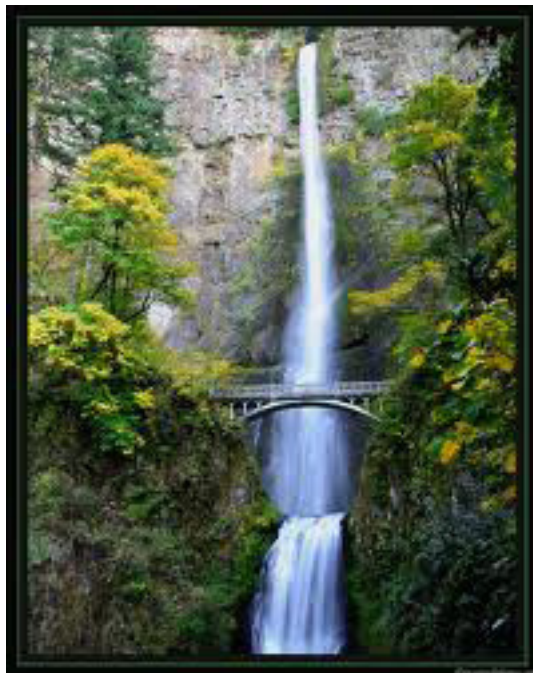
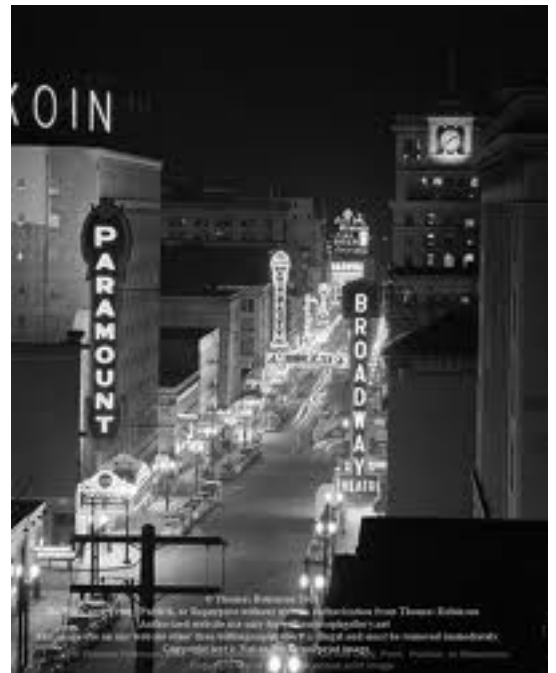
Light rail (MAX) is available one block from host hotel. It can take you on a short trip downtown, to the zoo, to surrounding malls and even to the Airport. Connect to the Portland Streetcar downtown and explore the Pearl District, Northwest 21st and 23rd Avenues for great dining, breweries, music, art, specialty shops and, on the other end of town, the (Portland State) University District: Park Blocks, Portland Art Museum, and more.

Within blocks of the hotel you can find dining options from around the world, high end local shops, a large shopping mall, 9 coffee shops and over 10 movie options; this is just the beginning of many possibilities in the Rose City. All Tax Free!





COURTESY: KELVIN RAY



IEEE Mentoring Program

Doug Nix

Earlier this year we ran a series of Writer's Workshops as webinars. A number of the attendees were interested in connecting with mentors to help them hone their writing skills, and I was asked to look into the possibility of PSES starting a mentoring program.

I was surprised to learn that IEEE has had a mentoring program in place for a few years. There is a web site where you can sign up to be a mentor or a mentee (or protégé(e)).

IEEE Mentoring Connection Program web site:
http://www.ieee.org/membership_services/membership/mentoring/index.html

This program assists IEEE members to connect with each other so that mentees can find the right mentor to assist them. The database helps make the connection by presenting mentees with mentors whose areas of interest mesh with their own, and then facilitates communication between them.

PSES is now working with Lisa Delventhal, l.delventhal@ieee.org, at the IEEE Operations center, in the re-launching of the IEEE Mentoring program this fall. PSES will be focusing first on getting writing mentors paired with mentees, and then we will expand the program to include other areas of interest.

If you are interested in becoming a mentor or a mentee, feel free to contact me to discuss the program. You can also go to the IEEE Mentoring Connection web site to register yourself. The existing database will be used as the starting point for the new program, so your registration will not be lost.

If you want to discuss this in person, please contact me at dnix@ieee.org, call me +1 (519) 729-5704, or Skype me at [cic-inc](https://www.skype.com/people/cic-inc). You can also find me at the 2012 ISPCE in Portland!



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Chapter Safety Probes

From the desk of V.P. of Membership Services:

The up-coming 2012 IEEE PSES Symposium in Portland, Oregon is the best opportunity for members and leaders from Chapters around the world to get together to share ideas and network with each other. Every single PSES member should consider getting involved with a local PSES Chapter. The membership committee is planning several events (to be announced) during the symposium to allow PSES members to learn about Chapters as well as how to participate and contribute:

- Introduce and plug current PSES members into an existing Chapter
- Recruit current members to organize PSES joint or full Chapters in their home town
- Chapter officers and Chairs meeting to share ideas
- All events are open to anyone who has interest in getting involve and help increase membership value

Please look out for future announcement regarding the above events and activities. Anyone who has interest about membership or Chapter issues, please contact the following:
V.P. of Membership - Thomas K. Ha (tom@gmcompliance.com)
Chapter Coordinator – Doug Kealey (Doug.Kealey@garmin.com)

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

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

TAC Meetings

Did you know that the PSES has Technical Committees (TC)? Yes we do! And we are looking for new members for the each TC! We have the following TCs; Failure Analysis and Forensics, Medical Product Safety, Telecom Safety, Risk Analysis, Industrial Equipment and Controls, Education for Product Safety, ITE/Computers. If you are interested in joining one of the Technical Committees you can get in contact with the TC a couple of ways: ATTEND THE SYMPOSIUM yes each of the TCs will have a meeting on Tuesday morning (Nov. 6) at the symposium, you can go to the PSES website and click on Technical Committees (on the left hand side) and all of the TC Chair information is available, or you can email me at i.vandewege@ieee.org and I can direct you to the proper individual.

The purpose of each Technical Committee is to manage the technical relationship/leadership of PSES in their area of interest by identifying, organizing, participating in, and supporting activities in which the PSES can give and/or receive technical benefit in product safety and compliance. Joining a TC is a great way to enhance your professional development and network in your respective field.

There are many opportunities in each TC, so go ahead and attend the symposium, see some great papers presented, and get involved with a Technical Committee!

If you have any questions about the TCs just let me know.

Ivan VanDeWege

VP – Technical Activities

i.vandewege@ieee.org



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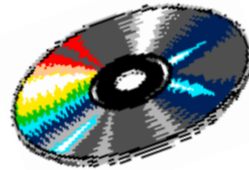
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Past IEEE-PSES Symposium Records

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.

Vendors Confirmed for the 2012 Symposium



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.

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

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Officers of the IEEE PSES

Executive Committee	Name	Term
President	Elya Joffe	(12-13)
Past President	Murlin Marks	(12-13)
President Elect	TBD	(13)
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Treasurer	Jan Swart	(NA)
Vice President - Communications	Dan Roman	(11-13)
Vice President - Member Services	Thomas Ha	(11-13)
Vice President - Technical Activities	Ivan Vandewege	(11-13)
Vice President - Conferences	Doug Nix	(11-13)

Directors At Large

Term Expires 12/12	Term Expires 12/13	Term Expires 12/14	Ex Officio (without vote)
Daniece Carpenter	Doug Nix	Paul Wang	Chapter Chairs
Kevin Ravo	Stefan Mozar	Mike Nicholls	Standing Committee Chairs
Elya Joffe	Silvia Diaz Monnier	Steli Loznen	IEEE HQ
Rich Nute	Thomas Shefchick	Juha Junkkarinen	IEEE TAB Division VI Director
Douglas Kealey			Gold Member: TBD

IEEE PSES Web Sites

<http://www.ieee-pses.org/>
<http://psessymposium.org/>
<http://product-compliance.oc.ieee.org/>
<http://www.ieee-pses.org/emc-pstc.html>
<http://www.ieee-pses.org/newsletters.html>
<http://www.ieee-pses.org/pses.html>



The
Product
Safety
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