

# The Product Safety Engineering Newsletter

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Vol. 5, No. 2 June 2009

## President's Message

*The clock is ticking on the future of the Product Safety Engineering Society. On Saturday, June 27 at 8:45 a.m. at the TAB (Technical Activities Board) meeting (meetings are open to the public so anyone may attend) in LA the following motion will be placed on the floor for voting (my comments are in italics near the items):*

**TMC RECOGNIZES THAT POWER (should be Product not Power) SAFETY ENGINEERING SOCIETY APPEARS TO BE NON-VIABLE AND, RECOMMENDS THAT, UNLESS IT CAN DEMONSTRATE VIABILITY WITHIN 12 MONTHS, THE SOCIETY BE DISSOLVED OR MERGED WITH ANOTHER SOCIETY.**

PROs:

CONs: None

FINANCIAL IMPLICATIONS TO TAB ADMINISTRATION: None

FINANCIAL IMPLICATIONS TO S/Cs: None

**STRATEGIC IMPACT and/or PROJECT RELATIONSHIP TO THE STRATEGIC PLAN: IMPLEMENTATION TIMELINE:**

Criteria for Product Safety Engineering Society 2010 Status

Decision by TAB Management Committee



All of the information below should be provided as input for the February 2010 SRC review and subsequent discussion by the TMC.

### 1. Membership

Accomplish by Feb 2010: The 2005 PSES Business Plan projected 1000 members by the end of the 5-year provisional period, which is July 2010. By February 2010, show that you are within three percent of this goal, and provide a comprehensive membership development plan showing plans for

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## IEEE PSES Officers

| Executive Committee                   | Name               | Term    |
|---------------------------------------|--------------------|---------|
| President                             | Jim Bacher         | (08-09) |
| Past President                        | Henry Benitez      | (08-09) |
| President Elect                       | Murlin Marks       | (09)    |
| Secretary                             | Daniece Carpenter  | (09-10) |
| Treasurer                             | Murlin Marks       | (09-10) |
| Vice President - Communications       | Dan Roman          | (09-10) |
| Vice President - Member Services      | Thomas Ha          | (09-10) |
| Vice President - Technical Activities | Jack Burns         | (09-10) |
| Vice President - Conferences          | Richard Georgerian | (09-10) |

**Directors At Large**

| Term Expires 12/09 | Term Expires 12/10  | Term Expires 12/11 | Ex Officio (without vote)     |
|--------------------|---------------------|--------------------|-------------------------------|
| Daniece Carpenter  | Jim Bacher          | Jack Burns         | Chapter Chairs                |
| Richard Georgerian | Silvia Diaz Monnier | Jim Pierce         | Standing Committee Chairs     |
| Elya Joffe         | Doug Nix            | Richard Pescatore  | IEEE HQ                       |
| Rich Nute          | Peter Tarver        | Ivan Vandewege     | IEEE TAB Division VI Director |
|                    |                     |                    | Gold Member: Open             |

## IEEE PSES Web Sites

- <http://www.ieee-pses.org/>
- <http://www.psessymposium.org>
- <http://www.ieee-communities.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>



achieving this number by July 2010. Include evidence that this number is achievable and sustainable given the number of professionals in your worldwide technical community. Your plan should include the following: the size, maturity, and growth potential for the product safety engineering market, a recruitment plan for new members, a retention plan for existing members, and a recapture plan for non-renewing members. Maintain (or grow) your current Chapter activities.

Three-year plan: Experience in TA has shown that societies with fewer than 1500 members are in a continual struggle to be successful. Provide a membership development plan for achieving 1500 members in 3 years.

*Item #1 Comments: Key people in TAB believe that a society has to have a membership of at least 1500 members to be viable. We had originally figured we could easily get to 2000 when we started the society; however today we are sitting at 614 members. If every one of our society members sponsors one new society member over the next six months, we will be about the 1000 they want us at by the end of the year and have a safety margin. For those who have never been an IEEE member, they can join the IEEE as an affiliate at a reduced cost of IEEE membership. If you make use of the IEEE MGM (Member-Get-a-Member) you can reduce your cost of IEEE membership. Details of the IEEE MGM Program are at: [www.ieee.org/mgm](http://www.ieee.org/mgm). So I am asking all of us to sponsor one new Society member over the next six months and two new members over the next two years. That will push us above the levels they want us at. Here is a short summary of the MGM:*

#### **Recruiter Awards**

*For each new member you recruit, you earn an incentive which can be used toward IEEE dues, IEEE Society fees, or the purchase of IEEE products and services. During the 2009 membership year (1 September 2008 through 15 August 2009), IEEE's MGM Program offers the following incentive schedule to members who recruit other individuals into IEEE membership.*

#### **Professional Members:**

*US\$15 for each Professional member recruited (Maximum Individual Earnings - US\$90.00)*

#### **Student Members:**

*US\$2 for each Student or Graduate Student member recruited (Maximum Individual Earnings - US\$90.00)*

*US\$15 for each Professional member recruited (Maximum Individual Earnings - US\$90.00)*

## **2. Financial**

Accomplish by Feb 2010: Stay off the financial watch list through February 2010.

Three-year plan: Provide evidence of society activities that will generate a positive cash flow over the next three years. Since your conference will be PSES' primary source of revenue in 2009, show that it has generated enough income in 2009 to cover the society's desired activities. Show how the society's planned cash flow will be sufficient over the next three years to sustain the planned member benefits.

*Item #2 Comments: We have managed to clear up the financial issues and have been removed from the TAB Financial Committee's watch list. We now need to stay off of it on a permanent basis. Having more members will help keep us off the list and allow us to offer more benefits to attract more members.*

## **3. Conference**

Accomplish by Feb 2010: Generate the recommended 20 percent surplus (as described in IEEE Policy 10) from the 2009 PSES annual symposium.

*Item #3 comments: Our last two conferences have produced the required 20 percent surplus, which is the reason we were able to get off of the TAB FinComm watch list. This year's conference must make its numbers to produce at least the 20 percent surplus. A lot of you likely have had your companies cut your travel budgets and more than likely your company will not cover your travel expenses to the symposium this year. Like a lot of you, I will have to cover my travel to the symposium out of my own pocket. I would love to see every one of our members at the symposium. It would mean we will make our numbers and blow the doors off of the facility as well.*

## **4. Publication**

Accomplish by Feb 2010: Continue quarterly publication of the PSES electronic newsletter.

3-year plan: Describe any plans for other publication activities, including magazine or other

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# 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.

## People Looking To Start Chapters

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Charles Bayhi (bayhi@cpsm-corp.com).

# News and Notes

## **EU Metric Labeling Directive Fades Away**

The European Parliament has endorsed the EU Council “common position” of November 18, 2008 authorizing use of non-metric label markings in addition to metric markings on electrical and other products sold in the EU.

The EU Metric Labeling Directive (80/181/EEC) was adopted in 1979 and was intended primarily to bring the UK into line with the EU metric-only labeling. The Directive specified that all products, product packaging, and product information entering EU markets after December 31, 2009 must use only metric units of measure.

With heavy lobbying from the U.S.-based National Electrical Manufacturers Association, European industry associations strongly opposed the Directive and its December 31 deadline. As a result, the Council common position lifts the December 31 deadline and imposes no further mandatory deadline.

## **UL Publishes Portable Generator Product Safety Standard**

Underwriters Laboratories has published its first safety standard for portable generators sold in the U.S.—UL 2201, *Portable Engine-Generator Assemblies*. Concern had been rising due to the proliferation of these products together with the possibilities for fire, electric shock, and carbon monoxide poisoning. In an unusual move, UL is offering the complete standard as a free pdf download at [http://ulstandardsinfontet.ul.com/generalinformation/UL-2201\\_1.pdf](http://ulstandardsinfontet.ul.com/generalinformation/UL-2201_1.pdf).

## **California Considers Battery Charger Regulations**

Present activities toward revisions to the 2007 California Appliance Efficiency Regulations include proposals that battery chargers be added to the list of regulated devices. The scope of batter charger products that might be included has not yet been decided upon, but it should be noted that a proposed test procedure for charger efficiency that has been published includes in its scope all chargers from small, household devices to large industrial chargers such as used for electric lift trucks.

A California Energy Commission “Battery Charger Call for Data” already sent to various charger manufacturers

states, “The Energy Commission will be considering new efficiency standards for battery chargers.” For more information about the proposed new requirements, visit [www.energy.ca.gov/appliances](http://www.energy.ca.gov/appliances) and click on “2008 Appliance Rulemaking.”

## **OSHA SDoC Issue Drags On**

The U.S. Occupational Safety and Health Administration (OSHA) has notified *PSEN* as to the status of a previously reported (*PSEN*, December 2008) proposal from the EU that OSHA consider replacing the present third-party conformity assessment scheme in the U.S. with a Supplier’s Declaration of Conformity scheme for many types of products. OSHA had published a Request for Information (RFI) which solicited information and comments to help the agency formulate a decision.

The communication from OSHA to *PSEN* states that “OSHA was considering whether to reopen and extend the SDoC RFI comment period. OSHA has decided that it is not going to do so at this time. Instead, we will analyze the comments received to date; we expect to complete the analysis some time this Fall. If the analysis shows that the information provided by the existing comments is sufficient to recommend an action, OSHA will proceed with obtaining clearance by the Department of Labor for a final decision on SDoC. If the comments do not provide sufficient information for a recommended action, OSHA will determine how best to obtain the necessary information, which then will become part of the public docket.”

## **PSES Forms a Technical Committee**

The IEEE Product Safety Engineering Society has established a Technical Committee on Forensics and Failure Analysis. The leadership group for this committee wants to establish communication with everyone interested.

The objectives of the new TC are:

- Provide a focus on forensic and failure analysis engineering;
- Help facilitate understanding of investigations, failure analysis, failure modes, root causes, corrective actions, etc.

- Identify educational resources for those new to the field;
- Define, initiate, and support mutually beneficial activities for forensic and failure analysis engineering;
- Provide a forum to advance the science of Forensics and Failure Analysis Engineering.

An e-mail listserv has been set up, and interested individuals should subscribe by visiting <https://listserv.ieee.org/cgi-bin/wa?SUBED1=FFATC&A=1>.

Additionally, sign up for the Forensics and Failure Analysis group on LinkedIn. The LinkedIn group enables discussion forums. The details of how to join this group will be included in the welcome message you get after signing up for the listserv.

Participation is free and does not require PSES or IEEE membership, although that is highly encouraged.

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means as appropriate. Describe the metrics are you using to measure this activity. Show evidence of increasing involvement of the IEEE community in your publications.

*Item #4 Coments: For those of you who have not noticed, Conformity magazine ceased publication. So our newsletter is pretty much the only one left. Even with that, getting technical content for it has been difficult. Getting ads to run has been tough as well (one of those things that would help item 2). There are a couple ideas we are trying to work out the details of that would help address this issue, but they are longer-term items. Short term we need more articles to keep the newsletter alive. I would like to ask all members consider writing articles on what is required for products sold in their countries. This request should include items other than ITE and should include all consumer and industrial products.*

Once the TMC (TAB Management Committee) puts the motion on the floor, it is subject to being amended. Once the motion is passed or rejected I will report back to all on what we need to get done. TAB is a large Board comprised of the Presidents of all of the societies.

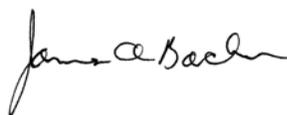
### **Conformity Magazine Ceases Publication**

Citing a lack of economic viability, Managing Editor Bill von Achen announced in the April 2009 issue of *Conformity* magazine that no further issues would be published. Until about five years ago, *Conformity* had to share the market with another trade magazine, *Compliance Engineering*. After the demise of *CE* magazine, *Conformity* was the only trade magazine serving the product safety community, so its termination comes as somewhat a surprise.

The *PSEN* now seems to be the only broadly available bias-free information hub. Blogs and networking sites serve their purposes effectively, but they aren't suitable for publishing technical information. Formal, peer-reviewed journals serve their purposes effectively, but potential contributors face time-consuming, detailed processes and requirements for publication. The *PSEN* occupies the "middle ground," publishing practical technical information online with a minimum of formalities. The concise *PSEN* Author Guide can be downloaded from <http://ewh.ieee.org/soc/pses>.

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As we would not be a financial burden on their society regardless of how it ends up, they are likely willing to modify it to our advantage. Regardless, the pressure is on. We can survive, but only with everyone's effort. Please do not assume everyone else will sponsor someone, because all the others maybe doing the same.



James A. Bacher  
President IEEE PSES

**Correction Notice: On Page 25 of the Index for the September 2006 eDJ (PSEN Vol02 N03): The author is listed as "Carl Schmuland" when it should have been "Charles Sidebottom."**

# New Inmetro (Brazil) Regulation on Safety Conformity Assessment for Household and Similar Appliances

by Luiz C. Bonilla

Brazil is about to publish a new regulation for compulsory safety conformity assessment of household appliances. This new regulation will set forth the criteria to be used by Product Certification Bodies to verify compliance with the requirements of the standards NBR NM 60335-1 (2006), NM 60335-1 (2006) and IEC 60335-1 (2006) and of the particular requirements of the standards IEC 60335-2-XX.

These activities come under the jurisdiction of Inmetro, Brazil's National Institute of Metrology, Standardization, and Industrial Quality, which is part of the Ministry of Development, Industry, and Foreign Trade. One of the duties of Inmetro is to coordinate the compulsory and voluntary certification of products.

The new regulation does not apply to appliances for industrial use, special application (such as explosive atmospheres), video and audio products, medical electrical products, tools, personal computers and similar appliances and those products already covered by other certification programs conducted by Inmetro, such as:

- Hair dryers;
- Vacuum cleaners;
- Blenders;
- Gas stoves for domestic use;
- Electrical showers;
- Refrigeration products for domestic use (refrigerators and freezers);
- Air conditioners (window and split);
- Washing machines;
- Ceiling and table fans;
- Microwave ovens;

- Electrical stoves and ovens;
- Wine cellars;
- Commercial freezers and displays;
- Hybrid heaters;
- Heat pumps;
- Hydro massage bath-tub pumps.

However, the regulation will apply to covered appliances intended for commercial or light industrial use.

The mechanism used in the new regulation is **COMPULSORY CERTIFICATION**. Two distinct choices will be available for obtaining and maintaining the Compliance Mark:

- Type / Routine Tests and Quality System Assessment (as per NBR ISO 9001:2000);
- Certification per batches.

All steps of the process shall be conducted by the Certification Body, except the tests which will be performed by recognized laboratories. (A recognized laboratory is one that is certified by Inmetro.) Steps of the Conformity Assessment Process are as follows:

- a) Request: the requester contacts the Certification Body recognized for the type of appliance
- b) Request Analysis: The certification body analyses the request and informs the applicant of all necessary documentation.
- c) Initial Assessment: After the analysis of the documentation, the certification body schedules the quality system assessment and works on a test plan.

The certification body has to collect samples from the production line as defined by the Test Plan, which is conducted by the laboratory chosen. If

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the results are positive, the Certification body issues the Compliance Certificate and authorizes the manufacturer to apply the compliance mark. The Compliance Mark will have to be applied on both the product and the primary package.

This new regulation has not gone to public consultation yet. Inmetro has to make available on its website the proposed text and publish a public announcement in the Union Official Gazette. From the date of publication of this regulation in the Union Official Gazette, there will be a period (usually 60 days) to submit suggestions and criticisms.

#### Additional Information:

- Brazil's technical regulations are available through Inmetro's website, [www.inmetro.gov.br/rtac](http://www.inmetro.gov.br/rtac) (Portuguese language). This website also provides access to both proposed and final technical regulations.
- For regulated products, the relevant government agency generally requires that entities engaged in product testing and mandatory certification be accredited by Inmetro. Testing must normally be performed in-country, unless the necessary capability does not exist in Brazil.
- Inmetro is a signatory to the mutual recognition arrangement (MRA) of the International Laboratory Accreditation Cooperation (ILAC), which can facilitate acceptance of test results from U.S. laboratories that are accredited by U.S. organizations who are also signatories.
- The Brazilian Customer Protection code, in effect since September 12, 1990, requires that product labels provide consumers with correct, clear, precise, and easily readable information about the product's quality, quantity, composition, price, guarantee, shelf life, origin, and risks to the consumer's health and safety. Imported products should bear a Portuguese translation, and all products should use the official metric units or show a metric equivalent.

*Luiz Claudio Bonilla de Araujo is Regional Product Safety Manager for Whirlpool Latin America. He can be reached at [luizcba@whirlpool.com](mailto:luizcba@whirlpool.com).*

This is a short description of INMETRO:

“The National Institute of Metrology, Standardization and Industrial Quality - Inmetro - is a federal authority, linked to the Ministry of Development, Industry and Foreign Trade, which serves as Executive Secretary of the National Council of Metrology, Standardization and Industrial Quality (Conmetro), inter collegiate, which is the legislative body of the National System of Metrology, Standardization and Industrial Quality (Sinmetro).

Aiming to incorporate a linkage structure, the Sinmetro, the Conmetro and Inmetro were created by Law 5966 of December 11, 1973, with the latter replacing the former National Institute of Weights and Measures (INPM) and significantly expand its range of the service performance of Brazilian society.

As part of its broader institutional mission, the objective of Inmetro is to strengthen national firms, increasing their productivity through the adoption of mechanisms for improving the quality of products and services.”



## *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](http://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

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### *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.



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.

# Staying Connected

by Dan Roman

I am sure all of you are familiar with our website and with our quarterly newsletter that is distributed in the society members-only section of the website. Many of you were introduced to the Product Safety Engineering and the IEEE through our discussion group EMC-PSTC. Some of you may have visited our Virtual Community site to share files or download archive articles from the EMC-PST list. But how many of you are aware that our Society has expanded its Internet presence to social networking sites like LinkedIn and Facebook? This article gives you an overview of our efforts to expand our web presence.

Our primary Internet presence is the Society website, [www.ieee-pses.org](http://www.ieee-pses.org). This is where everything is tied together and all the important information for our membership is located. A partial list of the resources available on the website is given below.

- Society documentation such as our constitution and bylaws
- Minutes of Board of Director meetings
- Office listing
- Meeting announcements
- Instructions on how to join the Virtual Communities site or the EMC-PSTC Forum
- Current issues of our Newsletter are in the Society Members-only section
- Back issues of our newsletter and an archive of the Product Safety Newsletter from the late 1980s to late 1990s are located in the Newsletters section.
- Are you looking for a local Chapter? Do you want information on how to start a Chapter? It is all in the Chapters section.
- One of our most popular pages (by hit count) on the website recently has been the Jobs Site. Here you will find postings by companies looking to hire individuals in compliance related fields. Postings are free to any company not charging a fee to the individual job seeker.

**IEEE** About IEEE | Join IEEE | Search IEEE | IEEE Home

**Constitution**  
**Bylaws**  
**Board of Directors**  
**Meetings**  
**EMC-PSTC Forum**  
**Symposium**  
**Chapters**  
**Newsletter**  
**Monthly Feature**  
**Society Members Only**  
**PSES Job Site**  
**Home**  
**Contact Us**

**login to myIEEE**  
login  
(IEEE Web Account Required)

**Technical Committees**  
**Symposium Flyer**

**IEEE** Product Safety Engineering Society

Welcome to the web page of the IEEE's Product Safety Engineering Society. This society targets design professionals and design engineers interested in electrical product safety. The IEEE Product Safety Engineering Society addresses safety engineering for equipment and devices used in the scientific, engineering, industrial, commercial and residential arenas. It allows engineers and other technical professionals an opportunity to discuss and disseminate technical information, to enhance professional skills, and to provide outreach to engineers, students and others with an interest in the field. Find out [about membership](#) and the benefits of being an IEEE and Product Safety Engineering Society member. [Why be a member?](#) Click the link to find out!

**2009 Symposium**

The 2009 Symposium is scheduled for **26-28 October** (M-T-W). Contact for the 2009 Symposium is Doug Nix ([dnix@ieee.org](mailto:dnix@ieee.org)). See the [Call For Papers](#) for more details. Volunteers are needed, see the [Call For Volunteers](#) flyer.

See the [symposium web page](#) for details as they become available.

**Symposium on Product Compliance Engineering**

World Markets Create Opportunity

KNOWLEDGE COMMUNITY PROFESSION

Toronto, Canada  
October 26-28, 2009

**IEEE** [www.ieee-pses.org/symposium](http://www.ieee-pses.org/symposium)

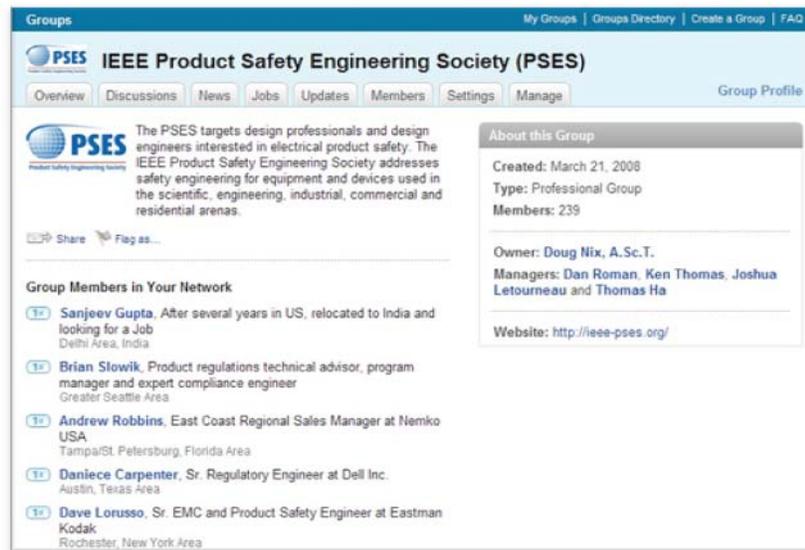
By far the most active Internet presence our Society has, with over 750 subscribers, is the EMC-PSTC Forum. Sponsored and maintained by the Product Safety Engineering Society, this forum is open to anyone. The Forum was founded to discuss product safety issues; you will find discussions on product EMC and other product regulatory issues. Discussions frequently cover worldwide standards and regulations, technical issues related to interpretation and measurement, and safety and EMC issues not currently published in standards and regulations. This forum is a tool to help us do our jobs by sharing information. Many of you have been introduced to the Product Safety Engineering Society and the IEEE through the use of this forum. The forum operates as an email-based discussion group. Each email that is submitted to the forum is reflected back as an email to all the list subscribers. For more information, how to subscribe, and the forum rules, please visit [www.pses-ieee.org/list.html](http://www.pses-ieee.org/list.html). Subscription is open to anyone.

The Virtual Communities site is an IEEE tool that the Product Safety Engineering Society uses to archive EMC-PSTC Forum discussions, hold discussions in a web-based environment instead of email, share files, and more. The Virtual Communities site also has a chat room, online calendar, survey feature, and announcements. There are currently over 500 members subscribed and subscription is open to IEEE and non-IEEE members but you must sign up for a free IEEE web account. See our website at [www.pses-ieee.org/emc-pstc.html](http://www.pses-ieee.org/emc-pstc.html) for details.



LinkedIn is a business contact networking website. It specializes in interconnecting a network of experienced professionals from around the world. According to the LinkedIn website, “LinkedIn currently represents 170 industries and 200 countries. You can find, be introduced to, and collaborate with qualified professionals that you need to work with to accomplish your goals.” The Product Safety Engineering Society created a group on LinkedIn in March 2008 and there are currently over 200 members of that group. The primary uses of LinkedIn by PSES are to promote the Society, allow members already on LinkedIn to expand their network, post or look for jobs, and hold online discussions with likeminded individuals. IEEE membership is not required to join the group. There are other compliance related groups on LinkedIn as well groups for colleges, companies, and more. Do a search for the group “IEEE Product Safety

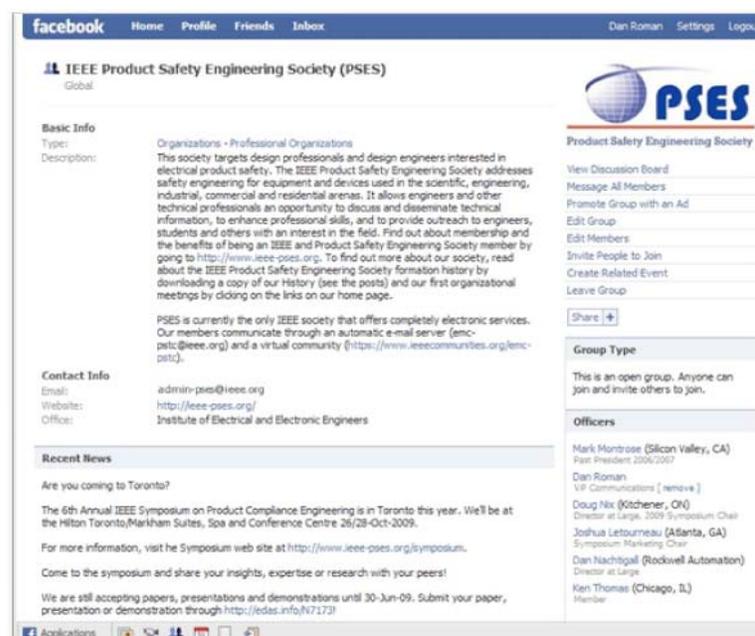
Engineering Society” and join us on [www.LinkedIn.com](http://www.LinkedIn.com). It is great resource for expanding your own LinkedIn network.



The screenshot shows the LinkedIn group page for the IEEE Product Safety Engineering Society (PSES). The page header includes navigation links for 'My Groups', 'Groups Directory', 'Create a Group', and 'FAQ'. The group name 'IEEE Product Safety Engineering Society (PSES)' is prominently displayed, along with a sub-header 'Group Profile'. Below this, there are tabs for 'Overview', 'Discussions', 'News', 'Jobs', 'Updates', 'Members', 'Settings', and 'Manage'. The main content area features a description of the society's mission: 'The PSES targets design professionals and design engineers interested in electrical product safety. The IEEE Product Safety Engineering Society addresses safety engineering for equipment and devices used in the scientific, engineering, industrial, commercial and residential arenas.' To the right, an 'About this Group' box provides details: 'Created: March 21, 2008', 'Type: Professional Group', 'Members: 239', 'Owner: Doug Nix, A.Sc.T.', 'Managers: Dan Roman, Ken Thomas, Joshua Letourneau and Thomas Ha', and 'Website: <http://ieee-pses.org/>'. Below the description, a section titled 'Group Members in Your Network' lists several members with their profiles and current roles, such as Sanjeev Gupta (relocated to India), Brian Slowik (technical advisor), Andrew Robbins (Sales Manager), Daniece Carpenter (Regulatory Engineer), and Dave Lorusso (EMC and Product Safety Engineer).



Facebook may be more popular with your kids, but the Product Safety Engineering Society has a group on Facebook too! Listed as a group under the Professional Organizations category the following on Facebook is not as well established as on LinkedIn but we expect it to grow as more companies are promoting their presence on Facebook as a good way to advertise and keep in contact with their customers. Do a search for the group “IEEE Product Safety Engineering Society” on [www.facebook.com](http://www.facebook.com) and help us expand our presence and get the word out about our Society.



The screenshot shows the Facebook group page for the IEEE Product Safety Engineering Society (PSES). The page header includes navigation links for 'Home', 'Profile', 'Friends', and 'Inbox', along with user information for 'Dan Roman'. The group name 'IEEE Product Safety Engineering Society (PSES)' is displayed, along with the location 'Global'. The 'Basic Info' section provides a description: 'This society targets design professionals and design engineers interested in electrical product safety. The IEEE Product Safety Engineering Society addresses safety engineering for equipment and devices used in the scientific, engineering, industrial, commercial and residential arenas. It allows engineers and other technical professionals an opportunity to discuss and disseminate technical information, to enhance professional skills, and to provide outreach to engineers, students and others with an interest in the field. Find out about membership and the benefits of being an IEEE and Product Safety Engineering Society member by going to <http://www.ieee-pses.org>. To find out more about our society, read about the IEEE Product Safety Engineering Society formation history by downloading a copy of our History (see the posts) and our first organizational meetings by clicking on the links on our home page.' Below this, a note states: 'PSES is currently the only IEEE society that offers completely electronic services. Our members communicate through an automatic e-mail server ([emc-pses@ieee.org](mailto:emc-pses@ieee.org)) and a virtual community (<https://www.ieee.comunities.org/emc-pses/>).' The 'Contact Info' section lists the email 'admin-pses@ieee.org', website 'http://ieee-pses.org', and office 'Institute of Electrical and Electronic Engineers'. The 'Recent News' section contains several posts, including one about a symposium in Toronto: 'The 6th Annual IEEE Symposium on Product Compliance Engineering is in Toronto this year. We'll be at the Hilton Toronto/Markham Suites, Spa and Conference Centre 26/28-Oct-2009. For more information, visit the Symposium web site at <http://www.ieee-pses.org/symposium>. Come to the symposium and share your insights, expertise or research with your peers! We are still accepting papers, presentations and demonstrations until 30-Jun-09. Submit your paper, presentation or demonstration through <http://jedes.info/87.173>' The right sidebar features the PSES logo and a list of group actions: 'View Discussion Board', 'Message All Members', 'Promote Group with an Ad', 'Edit Group', 'Edit Members', 'Invite People to Join', 'Create Related Event', and 'Leave Group'. Below these are 'Group Type' information ('This is an open group. Anyone can join and invite others to join.') and a list of 'Officers': Mark Montrose (Silicon Valley, CA) - Past President 2006/2007; Dan Roman (VP Communications); Doug Nix (Kitchener, ON) - Director at Large, 2009 Symposium Chair; Joshua Letourneau (Atlanta, GA) - Symposium Marketing Chair; Dan Nachigall (Rockwell Automation) - Director at Large; and Ken Thomas (Chicago, IL) - Member.

We have two new Internet presence announcements to make this month. The first is the roll-out of our new premier social networking site on Ning. Created by Josh Letourneau and Doug Nix, this site promises to be the most informative and flexible site for use by our members. Join us at <http://ieeepses.ning.com!>



Our second announcement is a new URL and website specifically for our Symposium. In an effort to better market the Symposium and give it a different look from the Society's main website, a new URL, [www.psessymposium.org](http://www.psessymposium.org) has been created and all links to symposium related content on our main site have



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now been linked or redirected to the new site. Check it out for the latest and greatest information on the 2009 IEEE Symposium on Product Compliance Engineering.

We are seeing activity starting to expand from the EMC-PSTC Forum to these social networking sites. Sites like Ning have the advantage that the information does not need to be pushed out to the user in the form of an email as is the case with the forum. It is easier for the member to browse and look at only the discussions of interest. You do not have to worry about missing out on a discussion you are interested in because the site allows you to subscribe to a forum or blog. Once subscribed to a forum or even an individual article, the site will send the member an email if there is new content.

We are already seeing some of our Technical Activity Committees taking advantage of these types of sites to share information, plan meetings, and operate the committee in general. Using features such as document storage, calendars, and discussion forums, committees can easily organize their activities and keep all members informed without high maintenance overhead.

The EMC-PSTC Forum will remain intact for the foreseeable future as it currently is implemented, so fans of this format do not need to worry. The flexibility offered by social networking sites like Ning, with expanded content availability, and a wide variety of different ways to interact with other members, make it a more interactive environment in which to network with colleagues from around the world. I envision an eventual shift in readership and participation to this newer format.

With this greater Internet presence comes some additional work and responsibility however. Multiple sites means more content must be monitored and the current volunteers looking after the EMC-PSTC Forum and IEEE Virtual Community cannot do it alone. If you are interested in assisting us in the administration of one of the groups on the social networking sites like LinkedIn or Facebook or the administration of the Ning site, please contact [dan.roman@ieee.org](mailto:dan.roman@ieee.org) or one of the existing group administrators. Responsibilities include accepting new member requests and monitoring sites for appropriateness of material submitted by users. The ideal candidate would be someone who frequents and is active in a particular group or site.

Fire up that web browser and stay connected!

*Dan Roman is a Product Regulatory Engineer for Dialogic Research Inc. He is the PSES Vice President – Communications and serves as the PSES webmaster.*



**Celebrating 125 Years**  
of Engineering the Future



Product Safety Engineering Society

## 2009 IEEE Symposium on Product Compliance Engineering

Sponsored by the IEEE Product Safety Engineering Society

October 26 - October 28, 2009

Hilton Suites Toronto/Markham Conference Centre and Spa  
Toronto, Ontario, Canada

[www.ieee-pses.org/symposium](http://www.ieee-pses.org/symposium)

## Call for Papers, Workshops, and Tutorials

### Chair

Doug Nix, [dnix@ieee.org](mailto:dnix@ieee.org)

### Co-Chair

Steve Brody, [steven.brody@brooks.com](mailto:steven.brody@brooks.com)

### Past Chair

Gary Schrempp, [Gary\\_Schrempp@dell.com](mailto:Gary_Schrempp@dell.com)

### Treasurer

Murlin Marks, [murlinm@ix.netcom.com](mailto:murlinm@ix.netcom.com)

### Secretary

Brian Greaney, [brian.a.greaney@hp.com](mailto:brian.a.greaney@hp.com)

### Technical Program

Bob Griffin, [bobgriff@us.ibm.com](mailto:bobgriff@us.ibm.com)  
Gary Tornquist, [garytor@microsoft.com](mailto:garytor@microsoft.com)  
Leszek Langiewicz, [leszekl@hp.com](mailto:leszekl@hp.com)

### Technical Demonstrations

Richard Nute, [richn@ieee.org](mailto:richn@ieee.org)

### Exhibits/Promotions

Bansi Patel, [bansi.patel@ieee.org](mailto:bansi.patel@ieee.org)  
Sue Kingston, [s.kingston@ieee.org](mailto:s.kingston@ieee.org)

### Conference Management/Registration

Chris Dyer, [cdyer@conferencecatalysts.com](mailto:cdyer@conferencecatalysts.com)

### Arrangements/Logistics

Bansi Patel, [bansi.patel@ieee.org](mailto:bansi.patel@ieee.org)  
Sue Kingston, [s.kingston@ieee.org](mailto:s.kingston@ieee.org)

### Communications, Webmaster, and Program Records

Dan Roman, [Dan.Roman@ieee.org](mailto:Dan.Roman@ieee.org)

### Merchandising

Daniece Carpenter,  
[Daniece\\_Carpenter@Dell.com](mailto:Daniece_Carpenter@Dell.com)

### Conferences Vice President

Richard Georgerian, [richardg@ieee.org](mailto:richardg@ieee.org)

### At-Large Members

Jim Bacher  
Jack Burns  
Daniece Carpenter  
Elya Joffe  
Henry Benitez  
Ken Thomas

The IEEE Product Safety Engineering Society seeks original, unpublished papers and tutorials on all aspects of product safety and compliance engineering including, but not limited to:

#### Product Specific:

Consumer, medical, computer (IT), test and measurement, power supplies, telecommunication, industrial control, electric tools, home appliances, cellular and wireless, forensics, etc.

#### Hazard Specific:

Electrical, mechanical, fire, thermal, chemical, optical, software, functional, reliability, risk assessment, forensics, etc.

#### EMC / RF:

Electromagnetic emissions, electromagnetic immunity, regulatory, Introduction to EMC/RF for the safety engineer and compliance engineer.

#### Components:

Grounding, insulation, optocouplers, capacitors, transformers, current-limiters, fuses, power line filters, ferrite, environmental, electromagnetic emissions, electromagnetic immunity, regulatory, etc.

#### Certification:

Product safety, electromagnetic emissions, electromagnetic immunity, environmental, processes, safety testing, regulatory, etc.

#### Standards Activities:

Development, interpretations, status, interpretations, country requirements, Laboratory Accreditation, etc.

#### Research:

Body physiological responses to various hazardous energy sources, unique safeguard schemes, electrically-caused fire, forensics, etc.

#### Environmental:

RoHS, WEEE, EuP (Energy-using Products), Energy Star, Packaging Directives, REACH (Chemical), CeC, etc.

#### Liability:

Product liability law in Canada, China, EU, Mexico, South America and the USA.

#### Demonstration Papers:

Demonstrations of product safety testing techniques including mechanical, electrical, fire, etc.

#### Canadian Safety Issues:

Environmentally related safety issues, including the effects of extreme heat, cold, wet, salt, etc.

#### Author's Schedule

Intent to present and topic  
Draft e-paper  
Notification of Acceptance  
Complete e-paper

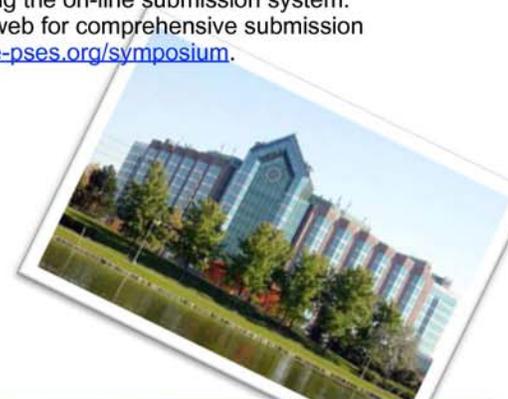
April 27, 2009

June 30, 2009

July 6, 2009

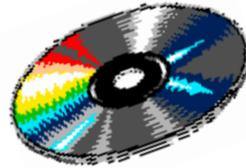
August 17, 2009

Prospective authors should submit e-papers using the on-line submission system. Please go to the Author's Kit page of the PSES web for comprehensive submission instructions including paper templates: [www.ieee-pses.org/symposium](http://www.ieee-pses.org/symposium).



## 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: \_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

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.

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# New PSES Members from 1 April 2009 Through 22 June 2009

Our new members are located in the following countries: Canada, Columbia, Denmark, Egypt, Ghana, India, Indonesia, Japan, Nigeria, Poland, USA

Asriya Fadhil  
Bala N Pinnangudi  
Brijesh G Patel  
Cynthia S Millsaps  
Edgar Paul Waniuk  
Elaine Y Xu  
Fawzy M Elberembaly  
James L Montgomery  
Kwesi Ambaah Smith  
Lorie Nichols  
Maciej Grzegorz Borowka  
Martin Steen Mallan  
Michael Joseph Co  
Michael S Mcnatt  
Paul Chukwudi Ohabuike  
Risto P Vuolle  
Ronnie L Arp  
Ruben Dario Martinez  
Satish Kumar Vodithala  
Sean Thomas  
Stanley P Buchanan  
Will E Hamel  
Yasuo Harada

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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](mailto: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](mailto:dan.roman@ieee.org).

**FULL PAGE \$770**

**1/2 PAGE \$430**

**1/4 PAGE \$230**

**Business Card \$400/year**

**COVER \$945**

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*The*  
**Product**  
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