

2014 IEEE Symposium on Product Compliance Engineering (ISPCE 2014)

**San Jose, California, USA
5-7 May 2014**



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Table of Contents

Table of Contents	iii
Welcome Message	viii
ISPCE 2014 Symposium Committee	ix
PSES Board of Directors	xi
2014 IEEE Product Safety Engineering Society Awards.....	xiii
ISPCE 2014 Patrons	xv
ISPCE 2014 Exhibitors	xvi
Keynote Speakers	xxi
ISPCE 2015 Call for Papers	xxv

Monday, May 5, 2014

10:00 AM - 11:00 AM

Breaking Through the BRICs, Part 2	1
<i>Mark Maynard (SIEMIC, Inc., USA)</i>	
<i>Leslie Bai (SIEMIC, Inc., USA)</i>	

Operator protection for medical equipment? Risk factors for operator or patient protection - Not available at time of publication
Frank O'Brien (O'Brien Compliance Management, USA)

Applying Toy Tests to Consumer Products	7
<i>Ted Eckert (Microsoft Corporation, USA)</i>	

EMC regulations part I - Not available at time of publication
John Hirvela (Hewlett-Packard Company, USA)
Henry Benitez (ElectroMagnetic Investigations, LLC, USA)

11:00 AM - 12:00 PM

Global product certification - How strong is your product life cycle process? - PPT PRESENTATION ONLY
Dennis Bartelt (President Bartelt Consulting Corp, USA)
Peter Merguerian (President Go Global Compliance Inc, USA)

Innovative approach to product realization - PPT PRESENTATION ONLY
Roger Martin (Compliance Dynamics, LLC, USA)

An Implementation of Toy Safety Assessment Model	12
<i>S.L. Mak (The Open University of Hong Kong, China)</i>	
<i>H.K. Lau (The Open University of Hong Kong, China)</i>	

EMC regulations part II - Not available at time of publication
John Hirvela (Hewlett-Packard Company, USA)
Henry Benitez (ElectroMagnetic Investigations, LLC, USA)

1:30 PM - 2:30 PM

Electrical product failures and regulatory compliance - An engineering and legal perspective part I - PPT PRESENTATION ONLY

Kenneth Ross (Bowman and Brooke LLP, USA)

Patient and operator - Different requirements - PPT PRESENTATION ONLY

Grant Schmidbauer (Nemko USA, Inc., USA)

Arc-Flash Explosion: What's the Real Risk? - Not available at time of publication

Jonathan Hamilton (Megger Instruments Ltd & Gambica, United Kingdom)

KISS EMC - Not available at time of publication

Jim Bacher (Avery Dennison, USA)

2:30 PM - 3:30 PM

Electrical product failures and regulatory compliance - An engineering and legal perspective part II - PPT PRESENTATION ONLY

Kenneth Ross (Bowman and Brooke LLP, USA)

Observe users; improve device safety - Not available at time of publication

Frank O'Brien (O'Brien Compliance Management, USA)

Safe Product Design, Forensic Engineering, and Asimov's Laws of Robotics..... 17

Louis Bilancia (Synnovation Engineering, Inc., USA)

4:15 PM - 5:15 PM

Regulatory approval Brazil - Updates and trends & best practices - A perspective straight from in-country labs - Not available at time of publication

Elizabeth Perrier (Product Regulatory Compliance- Latin America & Orbis Compliance LLC, USA)

Converting a legacy medical device to a wireless device - PPT PRESENTATION ONLY

Rachael Peterson (Intertek, USA)

Nicholas Abbondante (Intertek, USA)

What does your Touch Current look like? Making Proper Touch Current Measurements 25

Peter Perkins (P. E. Perkins PE, USA)

5:15 PM - 6:15 PM

Doing business in overseas markets: Opportunities and resources for U.S. companies - PPT PRESENTATION ONLY

Shannon Fraser (United States Department of Commerce & United States Commercial Service, USA)

Aileen Nandi (San Jose Export Assistance Center, USA)

Documenting risk management in IECCE CB scheme test report - PPT PRESENTATION ONLY

Paul Evers (UL LLC, USA)

Injury From Thermal Energy 29

Richard Nute (Richard Nute Product Safety Consultant, USA)

Tuesday, May 6, 2014

8:45 AM - 9:45 AM

Regulatory labeling - PPT PRESENTATION ONLY

Gary Schrempp (Dell Inc, USA)

Why 500VA for Hipot Testers? A TC66 Investigation to Explore the Necessity of the 500VA Hipot Tester..... 37

Nicholas Piotrowski (Associated Research Inc., USA)

Test method to simulate internal short-circuit in lithium-ion cells - PPT PRESENTATION ONLY

Alvin Wu (Underwriters Laboratories Taiwan Co., Ltd., Taiwan)

Introduction to printed circuit board design for EMC compliance part I - PPT PRESENTATION ONLY

Mark Montrose (Montrose Compliance Services, Inc., USA)

9:45 AM - 10:45 AM

Becoming a Thought Leader - Not available at time of publication

Melinda Marks (Qualys, USA)

Hazard Based Safety Engineering in Relation to Injury Epidemiology and Etiology 41

Thomas Lanzisero (UL LLC, USA)

Rechargeable Battery Condition Monitoring using Vibrational Properties 50

Juha Backman (Nokia Corporation, Finland)

Antti Järvinen (Nokia Corporation, Finland)

Introduction to printed circuit board design for EMC compliance part II - PPT PRESENTATION ONLY

Mark Montrose (Montrose Compliance Services, Inc., USA)

12:45 PM - 1:45 PM

State of wireless power transfer - Standards, certification, consortia, etc - PPT PRESENTATION ONLY

Answer Sung (Underwriters Laboratories, Taiwan)

Residential Solar and Electric Vehicle Bonding and Grounding Methods for Galvanic Compatibility 54

Dheena Moongilan (Bell Laboratories, USA)

Certification changes for batteries in electrical devices - PPT PRESENTATION ONLY

Rachael Peterson (Intertek, USA)

Rich Byczek (Intertek, USA)

Historical Methods of Testing EMI Gaskets 60

George Kunkel (Spira Manufacturing Corporation, USA)

1:45 PM - 2:45 PM

Global substance regulations impacting the electrical industry - PPT PRESENTATION ONLY

Rachael Peterson (Intertek, USA)

Joe Langton (Intertek, USA)

Equipotentiality and Grounding Derivation of grounding resistance for equipment 63

Richard Nute (IEEE Product Safety Engineering Society & Richard Nute Product Safety Consultant, USA)

Overview of IEC safety requirements for micro fuel cells - PPT PRESENTATION ONLY

Harry Jones (Consultant, USA)

ESD design - Troubleshooting & demonstrations part I - Not available at time of publication

Doug Smith (D.C. Smith Consultants, USA)

2:45 PM - 3:45 PM

RAPEX-System and intervention of European market surveillance authorities - Burden or relief? - PPT PRESENTATION ONLY

Thomas Klindt (Noerr LLP, Germany)

Susanne Wende (Noerr LLP, Germany)

Requirements for modular data centers - PPT PRESENTATION ONLY

Anh Nguyen (UL LLC, USA)

Randy Ivans (UL LLC, USA)

Latent defect characterization using lithium ion cells - Not available at time of publication

Jan Swart (Exponent Inc., USA)

ESD design - Troubleshooting & demonstrations part II - Not available at time of publication

Doug Smith (D.C. Smith Consultants, USA)

Wednesday, May 7, 2014

8:00 AM - 9:00 AM

ANEC the European consumer voice in standardisation - PPT PRESENTATION ONLY

Helmut Hintz, Hi (NGO & ANEC, Germany)

Energy efficiency testing - Not available at time of publication

Uwe Meyer (TUV Rheinland of North America, Inc., USA)

Are Amps and Volts Created Equal? 68

Gary Tornquist (Microsoft Corp., USA)

Evaluating interference issues with wireless networks - Not available at time of publication

Kenneth Wyatt (Wyatt Technical Services, USA)

9:00 AM - 10:00 AM

ProductDNA: Materials traceability, safety, and collaborative sustainability - PPT PRESENTATION ONLY

Rakesh Vazirani (TUV Rheinland, Hong Kong)

Comparison between fire enclosure requirements in IEC 60950-1 and IEC 62368-1 - PPT PRESENTATION ONLY

Jim Kao (Underwriters Laboratories Taiwan Co., Ltd., Taiwan)

Lightning Surge Damage to Ethernet and POTS Ports Connected to Inside Wiring 72

Joseph Randolph (Randolph Telecom, Inc., USA)

How I use social media & the Internet for networking, branding & providing customer value - Not available at time of publication

Kenneth Wyatt (Wyatt Technical Services, USA)

10:00 AM - 11:00 AM

Safety design issues for consumer electronics power supplies - Not available at time of publication

Stefan Mozar (UNSW, Sydney & Dynexsys Pty Ltd, Australia)

IEC 62368-1: Latest news on standard and adoption - PPT PRESENTATION ONLY

Thomas M Burke, PE (UL LLC, USA)

Jerry Dikun (UL LLC., USA)

Quantitative Solder Inspection with Computed Tomography 82

Ray Huang (Exponent, Inc., USA)

Adam Sorini (Exponent, Inc., USA)

John McNulty (Exponent, Inc., USA)

Ken's "Top Ten" EMC design issues - Not available at time of publication

Kenneth Wyatt (Wyatt Technical Services, USA)

AUTHOR INDEX 86