

2019 IEEE International Symposium on Product Compliance Engineering (ISPCE 2019)

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6 – 8 May 2019**



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Monday, May 5, 2019

9:30 AM – 10:30

Compliance 101: Origins and Basics of Electrical Fire and Shock Protection Presentation Only
Mike Sherman (Graco, USA)

Arson Under The Christmas Tree - a forensic evidence case study.....1
Louis Bilancia (Engineering Systems, Inc., USA)
Dale Mann (Engineering Systems, Inc., USA)

Global Market Access Regulatory Changes in China – 2018..... Presentation Only
Vanessa Wen (CSA Group, Canada)

Dalziel revisited; Electric shock analysis of mixed bipolar and monopolar waveforms9
Peter Perkins (P. E. Perkins PE, USA)

10:40 AM – 11:40 AM

Compliance 101: Touch-current / Electric shock tutorial..... Presentation Only
Peter Perkins (P. E. Perkins PE, USA)

Understanding and Investigating Burn Injury Presentation Only
Kenneth Lee (Exponent, USA)

Korea Market Access for Electrical and Electronic Equipment Presentation Only
Michael Chang (Eurofins MET Labs, USA)

Experiments of DC Human Body Resistance II: Test Results and Analysis of Data from Fifty-Two People..... Not Available at Time of Production
Hai Jiang (Underwriters Laboratories (UL), USA)
Paul Brazis (Underwriters Laboratories (UL), USA)

1:10 PM – 2:10 PM

Compliance 101: Applying Toy Safety Standards To Your Consumer Electronics ... Presentation Only
Dan Roman (Colgate-Palmolive Company, USA)

69 kV Sub-Transmission Line, a Careless Painter and a Scissor Lift - A Potential Electrical Hazard
.....Presentation Only
Nosh Medora (IEEE & Exponent, USA) Ashish Arora (Exponent, USA)

Realization and maintenance of a regulatory compliance;the devils in the details, yet the details are overwhelming! What to do?..... Presentation Only
Roger Martin (Compliance Dynamics, LLC, USA)
Patrick J Dugan (LEAP4, USA)

Safety of Free-Space Optical Communication Systems 17
Don Gies (DDG Compliance, LLC)

2:20 PM – 3:20 PM

Consumer Electronics - Basic Product Safety Presentation Only
Julio Posse (Sony Electronics Inc., USA)

Illumination Caused Permanent Bodily Injury, Photons Not Taken Lightly..... 20
Ashley Giesa (Engineering Systems, Inc., USA) Keith Cline (Engineering Systems, Inc., USA)

Market access for wireless products in Europe and South America.....Presentation Only
Julia Gresser (CSA GROUP, Germany)
Polux Sanchez Reyes (CSA Group, USA)

The Need for a New (or Redefined) Discipline: Product Health and Environmental Safety Engineering Presentation Only
Michael Kirschner (Design Chain Associates, LLC, USA)

3:50 PM – 4:50 PM

Navigating the Product Safety Certification Cycle: Using Early Engagement and Best Practices to minimize Project Risk Presentation Only
Christopher Kincaid (CSA Group, USA)
Mitchell Rushing (CSA Group, USA)

Tin whiskers and automotive electronics Presentation Only
Michelle L Kuykendal (Exponent, Inc., USA)
Daniel Kingsley (Exponent Inc, USA)
Ashish Arora (Exponent, USA)

Live to Love Your CB Account Presentation Only
Lars Mellander (Testing-Compliance & Nemko USA, USA)

Key Considerations and Challenges with IEC 62368-1 Presentation Only
Leszek M Langiewicz (HP Inc., USA)

5:00 PM – 6:00 PM

Managing Product Safety Knowledge Presentation Only
Mike Sherman (Graco Inc., USA)

Product Designing for a Circular Economy..... Presentation Only
David Linder (SGS North America, USA)

Going Global: Wireless Handbook for helping manufacturers bring wireless devices to the global market..... Presentation Only
Theresa Glenna (TUV SUD America Inc., USA)

Tuesday, May 7, 2019

9:10 AM – 10:10 AM

An Introduction to Hazardous Locations - Basics and Protection Concepts Presentation Only
William Fiske (Intertek Testing Services NA Inc., USA)

Overview of RF Exposure Requirements..... Presentation Only
Grace Lin (Intertek, USA)
Nicholas Abbondante (Intertek, USA)

Brazil Spotlight - INMETRO Safety for ITE, HOUS, MED and Ex, Anatel for Wireless and Energy Efficiency Presentation Only
Theresa Glenna (TUV SUD America Inc., USA)

Practical Methods for Establishing a Product Safety Program N/A
Mike Gentine (Schiff Hardin, USA)

10:50 - 11:50 AM

Creating HazLoc Product and Compliance Guidelines for the Marijuana Industry.... Presentation Only
Linn Havelick (5902 McIntyre Street & HAL Extraction Technology Ltd., USA)

Part 1 of 3: Introduction to EMC Compliance- Printed Circuit Board and System Design. Presentation Only
Mark Montrose (Montrose Compliance Services, Inc., USA)

What in the World? A update on the latest international requirements (EMC/Safety) Presentation Only
Lars Mellander (Testing-Compliance & Nemko USA, USA)

Regulatory Update for the US and the EU: Legal requirements for distributing products online; current market surveillance programs; new developments with regard to environmental product law (WEEE-Directive)..... Presentation Only
Susanne Wende (Noerr LLP, Germany)

1:10 PM – 2:10 PM

Training on the Oil & Gas Industry - Overview of Upstream/Midstream/Downstream Presentation Only
John Chambers (UL LLC, USA)

Part 2 of 3: Introduction to EMC Compliance- Printed Circuit Board and System Design.. Presentation Only
Mark Montrose (Montrose Compliance Services, Inc., USA)

Optimizing supply chain communication with respect to requirements under RoHS, REACH Presentation Only
Eva S. Hink (iPoint-systems GmbH, Germany)

Legal Implications for Product Distribution after Brexit Presentation Only
Susanne Wende (Noerr LLP, Germany)

2:20 PM – 3:20 PM

OSHA's Nationally Recognized Testing Laboratory Program - On the Verge of Change....Presentation Only

Kevin Robinson (Department of Labor, USA)

Part 3 of 3:Introduction to EMC Compliance- Printed Circuit Board and System Design..

..... Presentation Only

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

Telecom Regulatory Updates Affecting 2019 Approvals in Latin America Presentation Only

Elizabeth Perrier (Orbis Compliance LLC, USA)

Using Product Testing in Litigation Presentation Only

Ted Dorenkamp (Bowman and Brooke LLP, USA)

3:45 PM – 4:45 PM

The Evolving Landscape for Global Hazardous Locations - Considerations for Equipment

Certification Presentation Only

Christopher Kincaid (CSA Group, USA)

Nicholas Cameron (CSA Group, Canada)

Bluetooth Certification Presentation Only

Tom Tidwell (Nemko USA, Canada)

New regulations of China CCC, SRRC and NAL Presentation Only

Paul Wang (G&M Compliance & G&M Compliance, P.R. China)

Post-Sale Duties and Defending Post-Recall Lawsuits Presentation Only

Ted Dorenkamp (Bowman and Brooke LLP, USA)

5:00 PM – 6:00 PM

Unmanned Robots and Drones in Global Hazardous Locations..... Not Available at Time of Production

Paul T. Kelly (UL LLC, USA)

Citizen's Broadband Radio Services and OnGo Certification Presentation Only

Tom Tidwell (Nemko USA, Canada)

Telecom Regulatory Updates Affecting 2019 Approvals in Latin AmericaPresentation Only

Elizabeth Perrier (Orbis Compliance LLC, USA)

Power Supply Safety..... Not Available at Time of Production

Gary Tornquist (Consultant, USA)

Wednesday, May 8, 2019

8:00 AM – 9:00 AM

India TEC (Telecommunication Engineering Center) Presentation Only
Lars Mellander (Testing-Compliance & Nemko USA, USA)

The Heated Needle Penetration Method for Li-ion Thermal Runaway Initiation Presentation Only
Dustin Summy (Exponent, Inc., USA)
Matthew Horowitz (Exponent, Inc., USA)

Security Risk Management for IoT Devices - Standards, Methods, and Insights..... Presentation Only
Laura Elan (CSA, USA)

Material and Substance Requirements for EEE, Conventions, Treaties, Surveillance, REACH and, of course, RoHS Presentation Only
David Linder (SGS North America, USA)

9:10 AM – 10:10 AM

Latest Country Regulatory Update..... Presentation Only
Tina Ding (TUV SUD, USA)

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Rodney Grimes (SGS North America, USA)

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Application of Blockchain Technology to Laboratory Operations..... Presentation Only
Leslie Bai (Bureau Veritas)

Testing Tools and Methodologies for Lithium-ion Cell Qualification Presentation Only
Keith Beers (Exponent, Inc., USA)
Rachel Licht (Exponent, Inc., USA)

Current Trends in Electromedical Equipment Standards Presentation Only
Naysahn Saeed (CSA Group, USA)

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Ted Eckert (Microsoft Corporation, USA)

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Ken Ferguson (Exponent, USA)
Bala Pinnangudi (Exponent, USA)

IEC 60601-1-12 Emergency Medical Services Standard (EMS) and Essential Performance Presentation Only
Richard Gardner (CSA Group, USA)

EU REACH Update Presentation Only
Michael Kirschner (Design Chain Associates, LLC, USA)

1:30 - 2:30 PM

Risk Assessment for LVD and EMC Directives Presentation Only
Patty Knudsen (Teradata Corporation, USA)

UN 38.3 Lithium Battery Transport Testing - Overview & Updates Presentation Only
John Copeland (Energy Assurance LLC, USA)

EU MDR Hazardous Substances in Medical Devices Presentation Only
Geoffrey Bock (TUV Rheinland of North America, Inc., USA)

International Standards - used for EV supply equipment for charging electric road vehicles Presentation Only
Tina Ding (TUV SUD)

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John Copeland (Energy Assurance LLC, USA)

Assessment of a product to determine safe Electromagnetic Field (EMF) Exposure levels Presentation Only
Tom Tidwell (Nemko USA, Canada)

BRIC Product Compliance (Brazil, Russia, India, & China..... Presentation Only
Mark W. Maynard (American Certification Body, Inc. & Washington Laboratories, Ltd., USA)

3:55- 4:55 PM

Safe Design of Laser Consumer ProductsNot Available at Time of Production
Erwin K Lau (Exponent, Inc., USA)

Don't Let Global Regulatory Compliance Negatively Impact Your Product's Reach Presentation Only
John Copeland (Energy Assurance LLC, USA)

Middle East Countries Electronic Product Presentation Only
Mark W. Maynard (American Certification Body, Inc. & Washington Laboratories, Ltd., USA)

EU RoHS 3: Are You Ready? Presentation Only
Kenneth Stanvick (Intertek, USA)

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