

2018 IEEE Symposium on Product Compliance Engineering (SPCEB-Boston 2018)

**Boston, Massachusetts, USA
12 – 13 November 2018**



**IEEE Catalog Number: CFP18N12-POD
ISBN: 978-1-5386-7751-3**

**Copyright © 2018 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP18N12-POD
ISBN (Print-On-Demand):	978-1-5386-7751-3
ISBN (Online):	978-1-5386-7750-6

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

Monday, November 12, 2018

10:00 - 11:00 AM

Restricted Substances - What requirements are applicable to my product? Presentation Only
David Linder (SGS North America, USA)

The Global Transition to 62368-1 Presentation Only
Nicole Tatum (UL LLC, USA)

11:10 AM - 12:10 PM

IEC 61508 Functional Safety Assessment
Shedding Light on The Proven in Use Method..... Not Available at Time of Production
David Korvah (CSA Group, USA)
Hassan El-Sayed (CSA Group, United Kingdom (Great Britain))

Self-Defense Against Transient Voltages and Currents in Product Safety Evaluations 1
Don Gies (DDG Compliance LLC)

1:50 – 2:50 PM

Microwave Super High Frequency (SHF) Antenna for (Satellite Communication Systems, Radar, Aircraft Navigation, Radio Astronomy, Remote Sensing and Communications)..... 12
Anthony Amoah (University of Electronic Science and Technology of China, P.R. China)

Wireless Goes Global - Introduction of Regulatory Compliance Framework..... Presentation Only
Theresa Glenna (TUV SUD America Inc., USA)

3:00 – 3:50 PM

Applying Toy Safety Standards To Your Non-Toy Product..... Not Available at Time of Production
Dan Roman (Colgate-Palmolive Company, USA)

Telecom approvals in Japan Presentation Only
Tom Tidwell (Nemko USA, Canada)

4:30 – 5:20 PM

An Antenna for GPS (1.1/1.2 GHz), Wireless (2.4/2.5 GHz), WI-FI and Aeronautical Internal Communications (5.1/5.2 GHz)..... 18
Anthony Amoah (University of Electronic Science and Technology of China, P.R. China)

Global Regulations are Changing - Updates you need to be aware of! Presentation Only
Theresa Glenna (TUV SUD America Inc., USA)

Tuesday, November 12, 2018

9:45 – 10:35 AM

Approval of devices containing approved radio modulesPresentation Only
Tom Tidwell (Nemko USA, Canada)

Variation in Characteristics of Thermal Runaway in Lithium-ion Cells from Different Manufacturers..... Presentation Only
Michael Barry (Exponent, Inc., USA)
Ryan Spray (Exponent, Inc., USA)
James Vickery (Exponent, Inc., USA)

11:00 – 12:00 AM

Battery Testing including Lessons Learned from Failures Presentation Only
Catherine Pell (Plantronics Inc., USA)

Compliance 101 - Common Requirements for any Product..... Presentation Only
John R Allen (Product Safety Consulting, Inc., USA)

1:00 – 1:50 PM

Global Market Access & Regulations, Compliance Management in Developing Countries: A Brief Case Study of Three Sub Saharan African Countries 6
Oluwafemi Ekanoye (17232 Jefferson Hwy & Sothern University and A&M, USA)

Global Market access for Li-Ion Batteries..... Presentation Only
Nicole Tatum (UL LLC, USA)

2:00 – 2:50 PM

Brazil Spotlight - INMETRO Safety for ITE, HOUS, MED and Ex, Anatel for Wireless and Energy EfficiencyNot Available at Time of Production
Theresa Glenna (TUV SUD America Inc., USA)

Building an effective technical compliance file..... Presentation Only
Tom Tidwell (Nemko USA, Canada)

3:40 – 4:30 PM

Home Guard: An automated hardware solution for internet of unsecured things.....Not Available at Time of Production
Yoosuf Aadil (Sri Lanka Institute of Information Technology, Sri Lanka)

The Nuts and Bolts of International Certification Schemes Presentation Only
Polux Sanchez Reyes (CSA Group, USA)

4:50 – 5:40 PM

India TEC Approval: Coming Expanded Scope and Broader Requirements Presentation Only
Monrad L Monsen (Oracle, USA)

Medical Robots Presentation Only
Uwe Meyer (TUV Rheinland of North America, Inc., USA)