

EMC and Wireless Jim Bacher	Compliance 101 John Allen	HazLoc/ATEX Paul Kelly	Global Regulations & Compliance Management Bansi Patel	Energy Storage & Batteries Jan Swart	Legal Susanne Wende and Ken Ross	General events open to all
Forensics Daren Slee	Environmental and Energy Regulation Rakesh Vazirani	Medical Richard Gardner	Innovation & Emerging Technologies Ted Eckert	Safety Science & HBSE Tom Lanzisero	Meals, breaks	

Monday	Monday Salons A-J	Monday San Jose Ballroom	Monday Salons KL	Monday Salon M	Monday Monterey Room	
7:00 AM						
7:10 AM						
7:20 AM		Speaker Breakfast Room: Salon K				
7:30 AM	Continental Breakfast and Networking					
7:40 AM						
7:50 AM						
8:00 AM	Opening Plenary, Exhibits and Networking Keynote 1 Barry Shoop					
8:10 AM						
8:20 AM						
8:30 AM						
8:40 AM						
8:50 AM						
9:00 AM						
9:10 AM						
9:20 AM	Transition/Networking					
9:30 AM	Open	Systematic Approach for Restricted Substance Compliance Joe Langton	Consumer Product Safety: Self-certification vs third-party testing and certification David Haataja	Compliance 101 - Common Requirements for any Product John R. Allen	Safety of Information and Communication Technology Equipment Used in Smart Grid Applications Don Gies	
9:40 AM						
9:50 AM						
10:00 AM						
10:10 AM						
10:20 AM						
10:30 AM	Transition/Networking					

Monday	Monday Salons A-J	Monday San Jose Ballroom	Monday Salons KL	Monday Salon M	Monday Monterey Room
10:40 AM	Open	Open	Beyond the basics: Save trauma for when it really counts Lars Mellander	When Products Harm – a classic case study in product liability from the Engineer’s viewpoint Gary Tornquist	Grounding/Earthing Revisited Rich Nute
10:50 AM					
11:00 AM					
11:10 AM					
11:20 AM					
11:30 AM	Lunch, Exhibits and Networking				
11:40 AM					
11:50 AM					
12:00 PM	Lunch, Exhibits and Networking				
12:10 PM					
12:20 PM					
12:30 PM					
12:40 PM					
12:50 PM	Open	EU and US State & Federal Regulations Update Pratik Ichhaporia	Compliance Engineering on the context of the Next Industrial Revolution Steli Loznen	Class 2 Circuits Bruce Proper	Why Do GFCIs Keep Tripping? Aziz Inan; Jacob Kirby; Peter Perkins; Matthew Yuen; Henry Benitez
1:00 PM					
1:10 PM					
1:20 PM					
1:30 PM					
1:40 PM	Transition/Networking				
1:50 PM	Open	A Global Overview of Product Energy Efficiency Policies Ari Reeves; Jenny Corry Smith	Outsourcing Product Certification Management Paul Milton	CCC factory inspection and new regulations Aiyng He; Paul Wang	AC vs DC Dielectric Testing; Allowing AC or DC Testing in 61010-1 3rd edition Syed Abidi; Nicholas Piotrowski
2:00 PM					
2:10 PM					
2:20 PM					
2:30 PM					
2:40 PM	Afternoon Break, Exhibits and Networking				
2:50 PM					
3:00 PM					
3:10 PM	Afternoon Break, Exhibits and Networking				
3:20 PM					
3:30 PM					
3:40 PM	Afternoon Break, Exhibits and Networking				

Monday	Monday Salons A-J	Monday San Jose Ballroom	Monday Salons KL	Monday Salon M	Monday Monterey Room
3:50 PM	Open	Recent Development on USB Type-C External Power Supply and Compliance Consideration Angie Du	Innovative approach to Product Realization Improving Time to Market Roger Martin	Introduction to a new, no cost, Industry Resource for Regulatory - safety and Compliance Information as a service to the electronics industry Kevin Parmenter	Evaluation of Blasting Media Suitability for Removal of Common Electronics Potting Compounds Michael Mehlman
4:00 PM					
4:10 PM					
4:20 PM					
4:30 PM					
4:40 PM					
4:50 PM	Transition/Networking				
5:00 PM	Open	Complying with the Radio Equipment Direct Tom Tidwell	Risk Assessment of Low Voltage products LVD Directive 2014/35/EU, Annex III,2 Lars Mellander	Electrical Product Safety: A Primer Mike Sherman	An integrated approach to plan the design Verification and Validation (V&V) activities for the new product reliability improvement Mohammadsadegh Mobin; Steven Li
5:10 PM					
5:20 PM					
5:30 PM					
5:40 PM					
5:50 PM					
6:00 PM	Monday Reception				
6:10 PM					
6:20 PM					
6:30 PM					
6:40 PM					
6:50 PM					
7:00 PM					
7:10 PM					
7:20 PM					

Tuesday	Tuesday Salons A-J	Tuesday San Jose Ballroom	Tuesday Salons KL	Tuesday Salon M	Tuesday Monterey Room
7:00 AM					
7:10 AM					
7:20 AM					
7:30 AM	Continental Breakfast and Networking	Speaker Breakfast Room: Salon K			
7:40 AM					
7:50 AM					
8:00 AM	Tuesday Plenary, Keynote 2 TBA				
8:10 AM					
8:20 AM					
8:30 AM					
8:40 AM					
8:50 AM					
9:00 AM	Transition/Networking				
9:10 AM	Open	Introduction to Global Hazardous Locations Paul T. Kelly	IoT in Latin America, present and future Elizabeth Perrier	The Use of Experts in Litigation John Loud and Ted Dorenkamp	Introduction to EMC Made Simple-Printed Circuit Board and System Design Mark Montrose
9:20 AM					
9:30 AM					
9:40 AM					
9:50 AM					
10:00 AM					
10:10 AM	Awards Ceremony, Coffee Break and Networking				
10:20 AM					
10:30 AM					
10:40 AM					
10:50 AM	Open	Decoding Global HazLoc Markings John N. Chambers	An update on Safety Regulations in Argentina & Brazil and the latest on Reverse Logistics Laws Elizabeth Perrier	CPSC Update Richard Stern and Cheryl Possenti	Introduction to EMC Made Simple-Printed Circuit Board and System Design Mark Montrose
11:00 AM					
11:10 AM					
11:20 AM					
11:30 AM					
11:40 AM					
11:50 AM					
12:00 PM	Lunch, Exhibits and Networking				
12:10 PM					
12:20 PM					
12:30 PM					
12:40 PM					
12:50 PM					
1:00 PM					

Tuesday	Tuesday Salons A-J	Tuesday San Jose Ballroom	Tuesday Salons KL	Tuesday Salon M	Tuesday Monterey Room
1:10 PM	Open	Understanding Global HazLoc Market Access Paul T. Kelly	Global Market Access & Regulations, Compliance Management: Global regulations and certification management. Silvia L. Diaz Monnier; Andrea Méndez; Juan Cuccorese	Product Compliance and E-Commerce in the EU Susanne Wende	Introduction to EMC Made Simple-Printed Circuit Board and System Design Mark Montrose
1:20 PM					
1:30 PM					
1:40 PM					
1:50 PM					
2:00 PM	Transition/Networking				
2:10 PM	Open	Applying Global ISO-based Quality Systems for HazLoc Equipment Production John N. Chambers	China Wireless Certifications Paul Wang	The Use of Social Media to Meet a Manufacturer's Pre-Sale and Post-Sale Duties Kenneth Ross	Introduction to EMC Made Simple-Printed Circuit Board and System Design Mark Montrose
2:20 PM					
2:30 PM					
2:40 PM					
2:50 PM					
3:00 PM	Afternoon Social/Exhibits				
3:10 PM					
3:20 PM					
3:30 PM					
3:40 PM					
3:50 PM	Open	Non-electrical equipment under the IECEx Scheme Mitch Rushing	India/BIS Compulsory Registration Scheme Grant Schmidbauer	Technical Standards and Product Liability in the EU Susanne Wende	KISS EMC Jim Bacher
4:00 PM					
4:10 PM					
4:20 PM					
4:30 PM					
4:40 PM	Transition/Networking				
4:50 PM	Open	Wearable Technology - Beyond Electrical Safety Ted Eckert	Market Access into the biggest market in Africa:Nigeria James Kunle Olorundare, MNSE	Open	Future in Radiated Immunity Testing Christopher (Flynn) Lawrence
5:00 PM					
5:10 PM					
5:20 PM					
5:30 PM					
5:40 PM	Monta Vista Robotics Team Demo				
5:50 PM					
6:00 PM					
6:10 PM					
6:20 PM					
6:30 PM	Chapter Annual Meeting	Technical Committee General Meeting			
6:40 PM					
6:50 PM					
7:00 PM					
7:10 PM					
7:20 PM					
7:30 PM					

Wednesday	Wednesday Salons A-J	Wednesday San Jose Ballroom	Wednesday Salons KL	Wednesday Salon M	Wednesday Monterey Room
7:00 AM					
7:10 AM					
7:20 AM					
7:30 AM	Continental Breakfast and Networking	Speaker Breakfast Room: Salon K			
7:40 AM					
7:50 AM					
8:00 AM					
8:10 AM		Evaluation of Heart Current Factor using Computational Human Body Phantom Jai Jiang, PhD, PE	What does it mean when your measurement is just within or outside of limits? Stefan Mozar	E-Cigarette Battery Safety, Standards and Regulation - A Manufacturer's Perspective Douglas Burton	EMI Suppression Techniques for Power Electronics Design Shuo Wang
8:20 AM					
8:30 AM					
8:40 AM					
8:50 AM					
9:00 AM	Transition/Networking				
9:10 AM	Open	Market Surveillance in the EU Geoffrey Bock; Scott Sagamang	Environmental Conditions During Compliance Testing Peter Khoa Do; Jacques Martin	Compliance Requirements for Electrochemical Energy Storage Systems David Korvah; Ryan Franks	EMI Suppression Techniques for Power Electronics Design Shuo Wang
9:20 AM					
9:30 AM					
9:40 AM					
9:50 AM					
10:00 AM					
10:10 AM	Coffee Break and Networking				
10:20 AM					
10:30 AM					
10:40 AM	Open	ANSI/NFPA 70-2017: National Electrical Code (NEC) - Potential Impact on the Design and Installation of Audio/Video, Information & Communication Technology Equipment Thomas M. Burke, PE	Touch current, electric shock tutorial; Compliance 101 Pete Perkins	Updates and FAQ on UN 38.3 Rich Byczek	EMI Suppression Techniques for Power Electronics Design Shuo Wang
10:50 AM					
11:00 AM					
11:10 AM					
11:20 AM					
11:30 AM					
11:40 AM	Lunch, Networking, & Technical Committee Luncheon				
11:50 AM					
12:00 PM					
12:10 PM					
12:20 PM					
12:30 PM					

Wednesday	Wednesday Salons A-J	Wednesday San Jose Ballroom	Wednesday Salons KL	Wednesday Salon M	Wednesday Monterey Room
12:40 PM	Open	Risk-Based Thinking - A Case Study Mark Leimbeck	Hazardous substance restrictions and why they are restricted Dan Roman; Craig Harvey; Lauren Hutchison	Lithium Ion Battery Packs - Exposing safety risks via testing on a budget John Copeland	EMI Suppression Techniques for Power Electronics Design Shuo Wang
12:50 PM					
1:00 PM					
1:10 PM					
1:20 PM					
1:30 PM	Transition/Networking				
1:40 PM	Open	Fourth edition of the 60601-1-2 Medical Device EMC standard, preparing for the changes Naysahn Saeed; Harald Buchwald	Basis for the estimation of measurement uncertainty in safety tests Silvia L. Diaz Monnier; Andrea Méndez; German Gomez; Lucas Lago	The Quiet Transformation of Vehicles without Computers, to Computers on Wheels Jan Swart	Preparing Wireless Devices for Regulatory Compliance Approvals Grace Lin; Nicholas Abbondante
1:50 PM					
2:00 PM					
2:10 PM					
2:20 PM					
2:30 PM	Transition/Networking				
2:40 PM	Open	IEC 60601-1-2 4th Edition EMC and RMF Nicholas Abbondante	Compliance Matters for Mass Market Drones: A Survey of Industry Practice Jeffrey Wurzbach	Generalized formula for the calculation of a probabilistic metric for random hardware failures in redundant subsystems Atsushi Sakurai	Transmitter Certification Needs Jim Bacher
2:50 PM					
3:00 PM					
3:10 PM					
3:20 PM					
3:30 PM	Transition/Networking				
3:40 PM	Closing Session, Prize Raffle and Wrap-Up				
3:50 PM					
4:00 PM	Transition/Networking				
4:10 PM	Closing Session, Prize Raffle and Wrap-Up				
4:20 PM					