



Benefits of Standards Work for Emerging Professionals

Presented by:
USNC Communications and
Continuing Education Committee





Moderator

Phil Piqueira, USNC President, UL

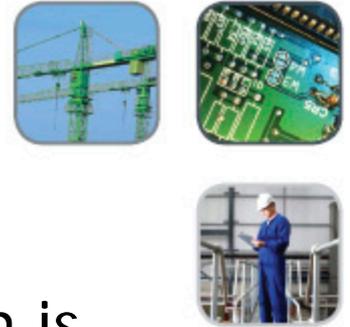
Speakers

Manyphay Viengkham, Client Implementation Manager, General Electric

Ethan Biery, Design and Development Leader, Lutron Electronics

Ryan Franks, Program Manager, NEMA

What is the IEC?



- The International Electrotechnical Commission is the leading global organization that publishes consensus-based International Standards and manages conformity assessment systems for electric and electronic products, systems and services, collectively known as electrotechnology.



What Is the USNC?



- United States National Committee
- Represents the interests of the U.S. eletrotechnical industry before its international counterparts in the standardization arena
- Committee of the American National Standards Institute (ANSI)



What Does the USNC/IEC Do?



- Serves as the U.S. point of contact for industry, government, consumers, academia, and other stakeholders in the eletrotechnical industry
- Represents U.S. interests before the IEC and selected international electrotechnical forums
- Provides guidance to ANSI's Board of Directors on policy issues and procedures involving the electrotechnical industry



Presentation Areas



1. **Introduction - *Phil Piqueira***
2. **Benefits to the Individual - *Manyphay Viengkham***
 - *How getting involved with standards early on positively impacts your career*
3. **Benefits to Employers - *Ethan Biery***
 - *What organizations stand to gain from employees' participation in the standards process*
4. **Benefits to the Standards Community - *Ryan Franks***
 - *How young and emerging professionals contribute to the regional and global community*



Benefits of Standards Work for Emerging Professionals



Benefits to the individual



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Why should I get involved in standards early in my career?



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Our Members



Industry / Companies

Corning Incorporated
Dell Inc.
Eaton Corporation
FM Approvals
Hubbell Inc.
Intertek
Pass Seymour/Legrand (NEMA)
Philips Healthcare
Qualcomm
Rockwell Automation
Schneider Electric
Siemens Industry Inc.
Sony Electronics Inc.
The Boeing Company
Thomas & Betts (NEMA)
Underwriters Laboratories



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Organizations

Association for the Advancement of Medical
Instrumentation
CSA Standards
Consumer Electronics Association
IEEE
Electronic Components Industry Association
National Electrical Manufacturers Association
National Fire Protection Association
Telecommunications Industries Association

Government

Food and Drug Administration
National Institute of Standards and Technology
U.S. Department of Defense

Other

U.S. Representative IEC Conformity Assessment Board
Virginia Tech University (Consumer Advocate)

Why should I get involved in standards early in my career?



- The communication and negotiation skills learned and practiced in the standards environment help people become better mentors, leaders and managers.
- Get your voice heard in the international arena and help shape the future of global standardization and conformity assessment.



Regional Organizations



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Benefits to Employers



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IEC Areas of Work



- A/V and multimedia
- Alternative energies
- Assembly technology
- Capacitors and resistors
- Connectors
- E-Mobility
- Electric cables
- Electroacoustics
- Fiber optics
- Industrial process automation
- Information technology
- Nanotechnology
- Power systems management
- Railway equipment and systems
- Safety of household appliances
- Smart Grid
- Solid electrical insulating materials
- Renewables



New Technical and Systems Committees



TC 113 Nanotechnology standardization for electrical and electronic products and systems

TC 114 Marine energy - Wave, tidal and other water current converters

TC 115 High Voltage Direct Current Transmission for DC voltages above 100kV

TC 117 Solar Thermal Electric Plants

TC 119 Printed Electronics

TC 120 Electrical Energy Storage (EES) Systems

SyC SE Smart Energy

SyC AAL Active Assisted Living



The USNC at Work



- IEC Standards and Conformity Assessment services offer
 - market access
 - global awareness
 - technology transfer
 - business efficiency
 - competitive advantage
- Every year **hundreds of U.S. experts participate** in IEC meetings, directly affecting the development of international standards



Why Young Professionals are important
to the Standards community



Benefits to the Standards Community



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How do young and emerging professionals affect the standards community?



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Fresh Ideas and Perspectives



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Hot Button Issues



■ IEC Systems Approach

- Specialized Committees working at the systems instead of the product level to define reference architectures, use cases and appropriate standards and interaction of a system within the scope of their charter.

■ China

- Fast becoming a major player in the international standards arena and a vital contributor with which you will interface

■ Renewable Energies

- IEC international standards and certification schemes for technical performance and safety



In Summary - *Join us!*



- Without new faces, the U.S. will be unprepared for the growth and change required by today's global markets
- Every year, hundreds of U.S. delegates participate in USNC and IEC activities
- The standards development process offers unique growth and enrichment opportunities for young and emerging professionals



USNC Young Professionals Competition



- The [U.S. National Committee](#) (USNC) is currently seeking nominations of emerging electrotechnology professionals for the upcoming IEC Young Professionals Workshop, being held on October 12-16, 2015, in Minsk, Belarus, in conjunction with the 79th IEC General Meeting.
- Nominations can be submitted by completing the [USNC Young Professionals Workshop Nomination Form](#) and submitting it to Charlie Zegers, General Secretary of the USNC, via email at czegers@ansi.org by Thursday, April 30, 2015.



United States National Committee of the IEC



Thank you!





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