

Launching a US National Young and Emerging Professional Program

Friday, October 29, 2021
1:00 – 2:30 ET

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**World
Standards
Week**

Moderator and Speakers



Carrie Schmaus, U.S.
Department of
Energy



**Nathan Tom, National
Renewable Energy
Laboratory**



Jonathan Colby,
Verdant Power



Megan Pahl, USNC

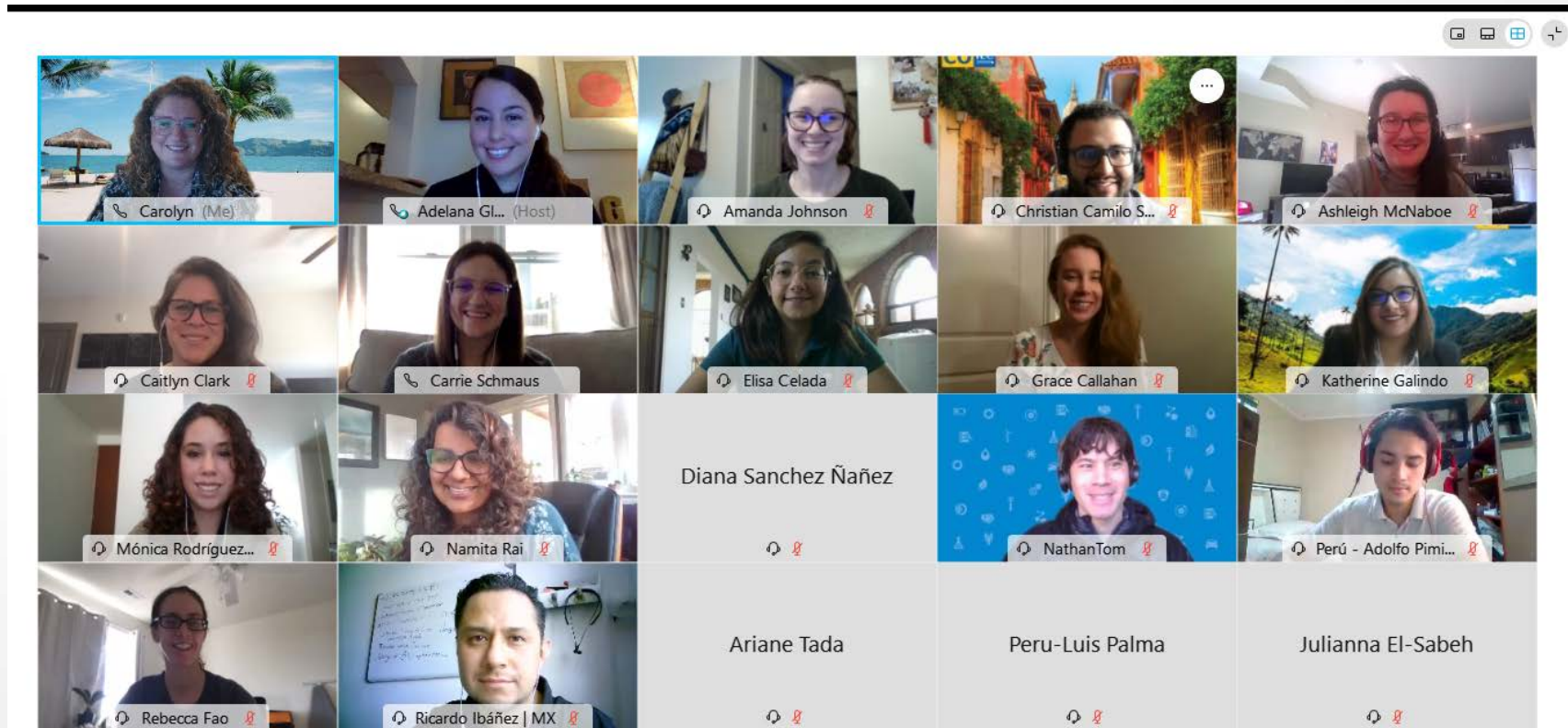


Samuel Lum, U.S.
Food and Drug
Administration

Outline

- Welcome
- Overview of the IEC and USNC
- Keynote Speaker Jonathan Colby
- Testimonials from USNC Leaders
- Overview of the National YEP Program
- Current efforts in the National YEP Program
- Call for Participation
- Question and Answer

Welcome!



The International Electrotechnical Commission (IEC)

- International Electrotechnical Commission
 - International organization that coordinates all standards and conformity assessment activities for devices that use electricity
 - Works with ISO (International Organization for Standardization) and ITU (International Telecommunication Union) to ensure compatibility
 - Represents 172 countries
 - Over 99% of the world population and world energy generation
 - Over 20,000 experts
 - Over 10,000 standards
- Connections to societal goals: many standards and conformity assessment activities overlap with the UN Sustainable Development Goals





United States
National Committee
of the IEC

The US National Committee (USNC)

- United States National Committee of the International Electrotechnical Commission
- Represents the interests of the US electrotechnical industry before its international counterparts in the standardization area
- Serves as the US point of contact for industry, government, consumers, academia, and other stakeholders in the electrotechnical industry
- Committee of the American National Standards Institute
- Provides guidance to ANSI's Board of Directors on policy issues and procedures involving the electrotechnical industry

Keynote Speaker

Jonathan Colby

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Support for Young and Emerging Professionals: A Foundation for Leadership

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A foundation for leadership

My story

- Professional background
- IEC & USNC/IEC experience

Some perspectives

- Insights
- Involvement

Support

- Ideas
- Actions



A bit about me

Jonathan Colby – Director of Technology Performance

- Hydrodynamic Engineer (2006 – 2014)
- Roosevelt Island Tidal Energy (RITE) Project

University of California, Berkeley
B.S. in Mechanical Engineering

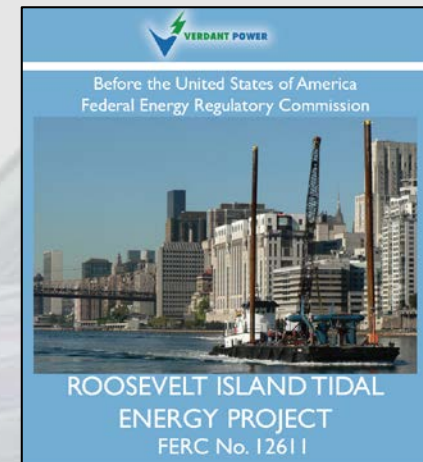
Georgia Institute of Technology
M.S. from the College of Aerospace Engineering



Credit: Verdant Power



Credit: Verdant Power



A bit about my IEC & USNC/IEC history

- 2007: IEC Technical Committee (TC) 114 (Marine Energy) Formed
- 2008: **IEC TC 114, US Technical Advisory Group (TAG), Member**
IEC TC 114, PT 62600-200, Subject Matter Expert
- 2010: **IEC TC 114, US TAG, ExCo Member**
- 2011: *IEC Young Professional Workshop*
- 2012: **USNC/IEC Communications Committee, Member**
- 2013: **IEC/TS 62600-200 Ed. 1 Published!!**
IEC TC 114, Project Team (PT) Convenor

IEC CAB WG 15 (Marine Energy Conformity Assessment Needs), Member



A bit about my IEC & USNC/IEC history

- 2014: *IECRE Formed*
IECRE WG 001 (Rules), Convenor
USNC/IEC CAPCC, Member
IEC TC 114, US TAG, Technical Advisor
- 2015: *IECRE ME-OMC, Chair*
- 2016: IEC TC 114, Chair
- 2017: USNC/IEC TMC, Member
- 2018: IEC CB Task Force on Internal Transformation, Member
- 2020: *IECRE ME-SWG, Chair*
- 2021: ISO Coordination Committee on Climate Change



What insights can I add to help you?

Energy In = Energy Out

- Conservation of Energy as applied to success!

Expertise, Opportunity and Effort

- Capitalize on your abilities, and opportunities, with committed engagement.

Remain connected to the US National Committee

- Attend and contribute to establish, and amplify, your knowledge and voice.

Ensure the continued support of your organization

- Proactive communications on the value, and impact, of your work

How can you refine your leadership skills?

Practice effective communication skills:

- Consensus-building on technical issues with delegates from dozens of countries
- Treat all delegates with respect and celebrate the amazing cultural diversity
- Nurture a comfortable and productive environment for success

Pursue feedback from peers and mentors:

- USNC/IEC Mentoring Program
- Find members of your community with expertise and develop a relationship
- Seek feedback, and most importantly, try to incorporate the feedback!

Always continue to learn

A few conclusions...

We are the future of the IEC and the global economy!

- The support is there for all of us
- We are the force of change
- You will get out what you put in

This work is very challenging and infinitely more rewarding!

- Technical and procedural complexities are real
- Our global interconnection depends on this work
- The future of our planet hinges on the responsible use of energy and electricity

You will meet, and work with, an incredibly inspiring group of people!

Testimonials

Kevin Lippert
Sonya Bird
Scott Colburn
Elaina Finger

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Who is a Young and Emerging Professional (YEP)?

- The USNC Young and Emerging Professionals Committee focuses on the advancement of professionals that are just beginning or early in their standards or conformity assessment careers
 - A YP is anyone with less than 8 years of experience in standards or conformity assessment
- Participants can be employed by industry, the government, academic bodies, consumer organizations, or any other member of the U.S. standards and conformance community that uses, benefits from, or contributes to the IEC's work in electrotechnical standardization and conformity assessment

Interactive Word Cloud

- Help shape the USNC YEP Committee stakeholders by building a word cloud
 - Submit your answers to the following question on PollEverywhere, using the link in the chat.

QUESTION: When you hear YEP, what are the first word(s) that come to mind?

Establishing a US National YEP Program

Inspiration

Inspired by other countries' programs, the USNC YEP Committee set out to establish a US national program

Process

YEP Committee members identified strategic objectives, challenges and solutions, value proposition, and an action plan in the National YEP Program Framework

Mission

To build a community of future standards and conformity assessment professionals in the United States

Establishing a National YEP Program in the US

Goals & Strategic Objectives

- Increase outreach to a diverse group of YEPs
- Foster connections among YEPs involved in standards and conformity assessment in the US
- Help YEPs engage their companies in USNC/IEC activities, increasing organizational visibility and exposure
- Provide mentorship, knowledge transfer, and skill sharing
- Facilitate connections between US and international YEPs, beginning with a regional program in the Americas

Establishing a National YEP Program in the US

Implementation Plan Best Practices

- Currently 4 task forces established to address and support National YEP Program's goals and strategic objectives
 - Diversity, Equity, and Inclusion Task Force
 - International Collaboration Task Force
 - Outreach & Recruitment Task Force
 - Programming & Events Task Force
- Maintain group engagement and activity by alternating monthly YEP Committee meetings and task force meetings
- Consistent communication with USNC to build support for program
- Development of a YEP webpage as a knowledge hub for new YEPs
 - <https://www.ansi.org/usnc-iec/programs-activities/young-and-emerging-professionals>
- Contributing to the *USNC Current* for YEP perspectives on UNSC activities

Call for Participation: The USNC Young and Emerging Professionals Committee

- Encourages young and emerging professionals to participate in the work of the USNC and IEC and become engaged in their programs, trainings, and events
- Meets throughout the year to facilitate and coordinate opportunities for individuals with an interest in participating in standardization and conformity assessment activities
- Estimated time commitment: 3 hours or less/month
- Currently standing up a US National YEP Program – many leadership opportunities
- Interested in joining? Reach out to the USNC for more information: usnc@ansi.org



<https://www.ansi.org/usnc-iec/programs-activities/young-and-emerging-professionals>

The IEC Young Professional Programme

- 5 day program that:
 - Provides an introduction to the IEC, its function, and the impact it has on the world
 - Provides a venue for future leaders to meet each other, learn about standards, and attend interactive sessions
 - Increases your knowledge about international collaboration in standards
 - Is a great professional development opportunity
 - Helps you develop soft skills (networking, giving presentations)



2021 IEC YP Programme – Dubai, UAE



2021 IEC YP Workshop Dubai, United Arab Emirates, 3 to 7 October 2021

NEW **5-day** workshop with the possibility for remote participation



- Occurred earlier this month-October 3-8, 2021
- USNC/IEC will cover travel and accommodation
- USNC runs a competition each year to select YP winners to represent the US
 - In 2021, the USNC selected four YPs to attend virtually
 - Looking forward to returning to in-person in 2022.

USNC Mentoring Program

- Launched in 2021, this new program provides emerging standards and conformity assessment professionals an opportunity to enter into a one-on-one relationship with a more experienced member of the USNC community for the purpose of retention, development and overall success
- During this year-long program, participants are asked to hold monthly calls with their mentor or protégé
- Next round begins September 2022
- Interested in participating? Please complete the [USNC Professional Mentoring Program application](#) or email Megan Pahl at mpahl@ansi.org with any questions

Resources for Active Participation

- [USNC Constituency Training Modules](#)
 - Learn at your own pace in this self-guided series
 - Six training modules including information on USNC and IEC organizational and governance structure, roles and responsibilities, and the standards development and stages of technical work
 - This is a prerequisite for the Effective IEC Participation Course
- [Effective IEC Participation Course](#)
 - This webinar is designed to give tips and advice to USNC delegates who wish to work on and improve their skills as representatives of the U.S. electrotechnical sector at IEC Technical Committee, Subcommittee, and Working Group meetings
 - Webinar recording and slide deck available online
- [USNC Current](#)
 - Quarterly publication that will help keep you updated on USNC, IEC, and community happenings

Interactive Poll

- Help shape the USNC YEP Committee plans by submitting short answer comments
 - Submit your thoughts, comments, etc. to the following question on PollEverywhere, using the link in the chat.

QUESTION: What opportunities do you want to see as a young and emerging professional?

Testimonials

Caitlyn Clark
Grace Callahan
Carolyn Hull

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Let's Chat!

Questions?

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Final Words

Carrie Schmaus
Chair USNC YEP-Com



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Thank you!

For more information on USNC
Young and Emerging Professionals,
please visit our website
(<https://www.ansi.org/usnc-iec/programs-activities/young-and-emerging-professionals>)
or contact usnc@ansi.org.

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