

IEEE IAS Electrical Safety Committee

Executive Subcommittee Meeting Minutes

Noon PST, March 1, 2020

Executive Boardroom, Peppermill Tower, Room 1735

Lunch was served from noon to 1 pm. Daniel Roberts called the meeting to order at 1pm.

All present introduced themselves and signed the attendance sheets.

The agenda was reviewed. A motion to approve the agenda was made by Marcelo Valdes and seconded by Kevin Lippert. The agenda was approved unanimously.

A motion to approve the minutes from the 2019 meeting was made by Steve Wilson and seconded by Kevin Lippert. The minutes were approved unanimously.

The Report from the A&N Subcommittee was given by Daniel Roberts.

The 2020 Workshop will be dedicated to the memory of Bruce McClung.

A Posthumous Tribute for Distinguished Colleagues was established and reviewed.

Committee level awards (Jordan Award, Outstanding Service Award, Prevention through Design Award) will now be announced prior to the ESW and published on the website.

The approved committee acronym is ESafeC.

New subcommittee chairs were introduced:

Eric Campbell – Construction

Ken White – Papers Review

Mark Scott – Technical Program

Jeff Glenney – Industry Segment

Thanks to the outgoing chairs Mike Doherty, Dan Doan, Ken White, and Rachel Bugaris.

Future ESW dates and locations were announced:

March 7-12, 2021 Tucson, Kevin Lippert

March 6-11, 2022 Jacksonville, chair needed

March 12-17, 2023 Reno, chair needed

2024 date and location TBD, chair needed

René Graves provided an update on revisions to the ESW Operation Manual. The update is in process and currently under review by the two past ESW Chairs, Paul Sullivan and René, and the current ESW Chair, Scott Seaver.

Subcommittee chairs were asked to identify candidates for open vice chair positions and succession planning.

Each standing subcommittee chair was given an opportunity to report on their activities. Subcommittee reports with additional details are attached.

Academic Development – Afshin Majd; update provided by Jay Prigmore

Awards and Recognition – Kevin Lippert

Codes and Standards Development – Arthur Smith

Construction – Eric Campbell

Corporate Relations – Frank Tyler; update provided by Scott Seaver
Early Career Development – Jay Prigmore
Facilities and Finance – Stephen Wilson
Government, Regulator, Inspectors and Laboratory Subcommittee – Lloyd Gordon
Historical and Records – Lanny Floyd; update provided by Davis Pace
IAS Committee Relations – Hugh Hoagland
Industry Segment Development – Jeff Glenney
International – Marcelo Valdez
Occupational Health and Safety – René Graves
Papers Review – Ken White
Products and Services Development – Irozenell Pruitt
Publications – Thomas Domitrovich; update provided by Nehad El-Sherif
Publicity Subcommittee – Nehad El-Sherif
Technical Program Subcommittee – Mark Scott

The following action items were identified during the reports:

- Provide names of outgoing subcommittee chairs to Awards subcommittee.
- Add question on interest in subcommittee participation to registration.
- Subcommittee chairs need to provide any room requests, such as AV, to Facilities & Finance by June.
- Photos from past workshops are needed as Historical committee prepares for 30th Anniversary in 2022.
- Add link to webinars in IAS Resource Center to ESafeC website. Promote CEC/PDH etc. opportunities from workshop and webinars on websites.
- Promote future conferences with local ASSP Chapters and other professional organizations.
- Promotional image for 2021 are now available and attached.



Old business from the 2019 meeting was addressed:

Discussion on stimulating international involvement (Korea, Japan, China, India, Australia, UK, and Europe). Efforts can be spearheaded by International Subcommittee. Some ideas discussed include:

Leverage student presenters at ESW and work with universities.

Leverage contacts for arc-rated clothing companies that work with electrical utilities in China.

Leverage success of the ESW Brazil model.

Encourage multinational companies to hold meetings in conjunction with the workshop.

Be cognizant of the language barriers. IEC/EN standards have bare minimums, but national deviations can be very detailed. Opportunity to develop a truly international standard.

Revisit topic at 2021 meeting.

New business was discussed.

A&N is working on an update to the ESafeC bylaws to align with current activities and streamline structure. A draft reorganization structure was discussed.

Recognition for Steve Glass

The next meeting will be at noon Sunday March 7, 2021 in Tucson, AZ, USA.

A motion to adjourn was made by Steve Wilson and seconded by Scott Seaver. The motion was approved unanimously, and the meeting was adjourned at 4:24 pm.

IEEE IAS Electrical Safety Committee Executive Subcommittee Meeting Agenda

Noon PST, March 1, 2020

Executive Boardroom, Peppermill Tower, Room 1735

Agenda

1. Lunch
2. Call to order
3. Attendance
4. Review Agenda
5. Approval of Minutes from March 3, 2019
6. Report from A & N Subcommittee
 - a) Establishment of Tribute Policy
 - b) Dedication of 2020 Workshop in Memory of Bruce McClung
 - c) New Subcommittee Chairs
 - d) Announce future ESW dates, locations
7. ESW Operating Manual updates
8. Succession planning for subcommittees
9. Reports from Standing Subcommittees
10. Business arising from the March 3, 2019 meeting
 - a) Discussion on how we can get involvement from Asia (especially Japan, China); need ideas on how to expand in that direction
11. New Business
12. Next face to face meeting at noon
Sunday March 7, 2021 in Tucson, AZ
13. Motion to Adjourn

Approval of Minutes from 2019

Report from A & N Subcommittee

Daniel Roberts

- a) Establishment of Tribute Policy
- b) Dedication of 2020 Workshop in Memory of Bruce McClung
- c) New Subcommittee Chairs
- d) Announce future ESW dates, locations



ESW Operating Manual updates



Succession Planning for Subcommittees

Reports from Standing Subcommittees

1. **Academic Development** – Afshin Majd
2. **Awards and Recognition** – Kevin Lippert
3. **Codes and Standards Development** – Arthur Smith
4. **Construction** – Eric Campbell
5. **Corporate Relations** – Frank Tyler
6. **Early Career Development** – Jay Prigmore
7. **Facilities and Finance** – Stephen Wilson
8. **Government, Regulator, Inspectors and Laboratory Subcommittee** – Lloyd Gordon
9. **Historical and Records** – Lanny Floyd
10. **IAS Committee Relations** – Hugh Hoagland
11. **Industry Segment Development** – Jeff Glenney
12. **International** – Marcelo Valdez
13. **Occupational Health and Safety** – Rene' Graves
14. **Papers Review** – Ken White
15. **Products and Services Development** – Irozenell Pruitt
16. **Publications** – Thomas Domitrovich
17. **Publicity** – Nehad El-Sherif
18. **Technical Program** – Mark Scott

Afshin Majd, PhD, PE

Current members: 10

Academic Subcommittee

2019 Activity Summary

- Last group web meeting on 11.20.19
- Almost half (4) members hold a PhD in EE with strong ties with Academia
- 2 members are faculties
- Chair has obtained AWS Tier II public speaker certification, allowing to publish/present papers in IEEE events
- Working with George Washington University (GWU) on a research project/two graduate students are being interviewed for internship with Amazon

Academic Subcommittee

2019 Activity Summary (members)

- One of our members Chairs Student Program for ESW 2020 and
- Chairs IEEE IAS Webinar Committee
- We have an IEEE IAS Faculty-Student Grant (recipient)
- Several safety courses in GWU and Uni. Of Texas, Arlington
- Presentations to the power departments at university of Arkansas, University of Illinois - Urbana Champaign (UIUC), Michigan, Georgia Tech, and Arizona State.

Awards & Recognitions Sub-committee

2020 Electrical Safety Committee - Recognitions

- All First Time Attendees
- All Safety-Related Standards Committee Members
- IEEE Senior Members
- IEEE Fellows
- ESW Papers Published
 - IEEE Transactions on Industry Applications
 - IEEE Industry Applications Magazine
- Outgoing Subcommittee Chairs
 - Papers Review – Dan Doan
 - Technical Program – Ken White
 - Construction – Mike Doherty
 - Industry Segment Development – Rachel Bugaris
 - Outgoing ESW Chair – Scott Seaver

Awards & Recognitions Sub-committee

Prize Papers and Presentations Awards from 2019 ESW

- Honorable Mention Papers (4)
- Best Focus Session Paper
- Best Student Poster (2020 ESW)
- Best Paper

2020 Electrical Safety Committee Awards

- Excellence in Prevention Through Design Award – Arthur Smith
- Outstanding Service Award – Kevin Lippert
- William C. Jordan Award – David Pace

Codes and Standards Development Sub-committee

**Chair - Arthur Smith, Vice-Chair - Thomas Papallo,
Secretary – Mark Babb** *(24 Attendees at last meeting)*

Progress To-Date:

2-Working Group Meetings at 2020 ESW

P1814 and P1584.1

ESafeC sponsors 6, SCC18 “Standards Coordinating Committee” Members

Frank Tyre (CMP-1 Alternate), Paul Sullivan (CMP-9 Principal), Sharon Mullen (Proposed CMP-9 Alternate), Peter Walsh (CMP-10 Alternate), JJ Dai, and Don Zipse

This is approximately 17% of the current SCC18 membership.

New Standards Development:

Proposed Project Authorization Request (PAR) Exploratory Meetings:

Working Safely with Hazardous Capacitors – Mark Scott / A. Smith

Complete Electrical Risk Assessment Method - Lloyd B. Gordon / A. Smith

Pat Roder Senior Program Manager IEEE Standards Association (IEEE-SA)
provided “E-Blast” and New Standards Presentations during PAR exploratory meetings

Construction Sub-committee

Eric Campbell

In 2019:

Organizational change

(New Chair, New Vice Chair(s))

No Tutorials accepted for 2020

Multiple Abstract(s) discussed in meeting....

In Progress:

Focus on Workshops and Paper submissions

“CONSTRUCTION” SUBCOMMITTEE LEADERSHIP TEAM

Robert Sprang
Vice-Chair

robertsprang.cescp@outlook.com
(406) 231-5700 (Cell)

Terry McKinch
Vice-Chair

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Robert S. LeRoy
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Mark Cross
Secretary
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Scott Mitchell
WG Leader at Large
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Eric Campbell
Chair
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480-252-2095 (Cell)

Michael J. Powers
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Chris Fink
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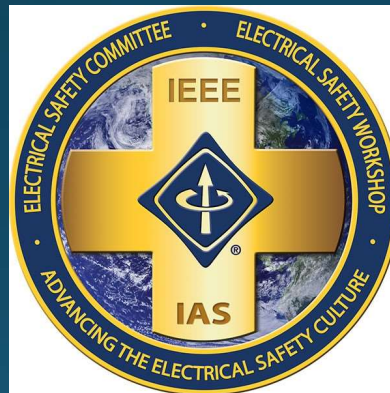


Jason Wolf
WG Leader at Large
jasonwolf@theescogroup.com
(319) 538-7892 (Cell)



IEEE/IAS Electrical Safety Committee – March 2020 Executive Subcommittee - Corporate Relations

Corporate Support – Product Expo – Hospitality Suites



Chair – Frank Tyler
Vice-Chair – Scott Seaver



IEEE/IAS Electrical Safety Committee – March 2020 Executive Subcommittee: Corporate Relations

- **Corporate Support Chair – Greg Leslie**
- **Corporate Support Vice-Chair – Ian Pollard**
- **Works closely with Finance Chair Steve Wilson**
 - A few previous supporters were not able to include corporate support in their budget for this year.
 - Outstanding performance from the Corporate Support Chair with soliciting new supporters to makeup for all (and more) of the lost financial support.
 - Approximately \$41,100 in support for the 2020 ESW.



- **Product Expo Chair – Kevin Warren**
- **Product Expo Vice-Chair – Scott Seaver**
 - As of 2/13/2020 – 59 Exhibitor Booths from 50 companies and media partners. There are 72 Booths total, and expectation is to fill as much to capacity as possible up to the start of the vendor expo.
 - Using the "passport" system to ensure contest entrants visit at least 15 booths.

- **Hospitality Chair – Steffie Owen**
- **Works closely with Meeting Planner Steve Glass**
 - Three Hospitality Suites for 2020 workshop. Evenings - Monday (1), Tuesday (1) and Wednesday (1).



Early Career Development Sub-committee

Jay Prigmore

Members: Chair, 8 Members

In 2019:

Gained 4 new members

Early Career Development Social Event (all are welcome)

Tuesday at 5:30 pm

In Progress:

Technical event or tutorial at ESW 2021

Need a new Vice-Chair

Facility and Finance Sub-committee

Members: Steven Glass, Steve Wilson

In 2019:

2018 ESW Fort Worth audit completed

2019 ESW Jacksonville audit submitted

2020 ESW contracts and purchase orders set up

2021 ESW Bank account open

2022 Contract with Glass & Associates LLC

2022 & 2023 ESW Hotel contract signed

EventMobi

Facility and Finance Subcommittee

In Progress:

2023, 2024, 2025 Contract with Glass & Associates LLC

ESW Locations 2024

Need to negotiate contract for registration 2021

Government, Regulator, Inspectors and Laboratory Subcommittee

Lloyd Gordon, Chair

Members: DOE, labs, NASA, DoD (Army, Navy)

2019 activities – Added NASA, Navy to involvement

Current topics

- Interlab collaboration (DOE, DOD, NASA)

- Discussions on interface with Standards Organizations

- Discussions on 2018 70E requirements for audits

Historical and Records Sub-committee

Chair: Lanny Floyd

Vice Chair: David Pace


Charter:

- Develop and maintain historical materials and information of the life and evolution of ESafC and the ESW.
- Information is to be kept on the committee website.
- Encourage individual and companies who have supported the committee or the ESW to submit memories.

Completed in 2019:

- Developed ESW 2019 article for January 2020 IA Magazine
- Updated SC and Affiliated Conferences pages in Conference Record
- Updated ESafC YouTube channel
 - * 2004 David Wallis interview
 - * 2014 David Wallis interview
 - + 2012 EB Magazine video
 - + 2019 PaloVerde video
 - + 2020 Bruce McClung tribute video

ESafC YouTube Channel




IEEE IAS Electrical Safety Committee
7 subscribers


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2020 IEEE IAS Electrical Safety Workshop Video...
11 views • 3 days ago



Conversation with David Wallis 2004
70 views • 3 years ago



Conversation with David Wallis 2014
139 views • 4 years ago




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7 subscribers


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1 Comment SORT BY



Add a public comment...



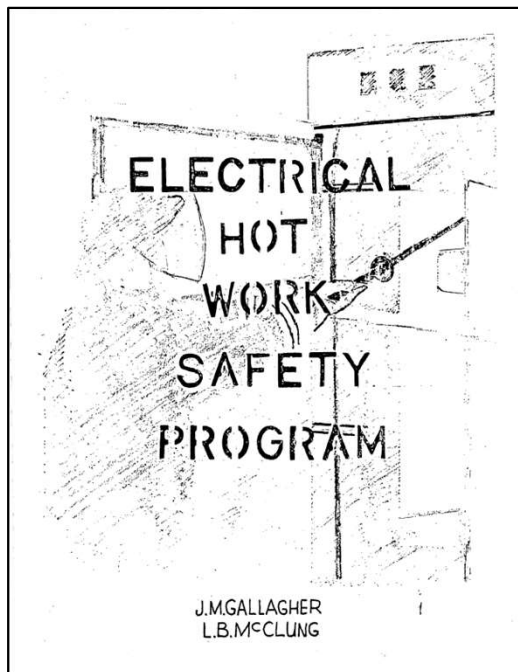
IEEE IAS Electrical Safety Committee 2 minutes ago

See how Palo Verde's electrical safety team engaged at ESW 2019
<https://vimeo.com/user14666519/review/329436597/136bd2023c>

ESafC Historical and Records SC Report March 2, 2020 ESW 2020

2019:

- Contributed to tributes to Bruce McClung
 - ◆ Email and social media articles
 - ◆ IEEE Industry Applications Newsletter (October) and Magazine (January), and ESW2020 Conf. Record articles
 - ◆ Video tribute created by Danny Liggett



Published in 1987, and influenced

- OSHA Subpart S (1990)
- Expansion of NFPA70E Safe Work Practices (1995)
- IEEE Yellow Book (1998)

ESafC Photo Gallery

Google Photos

ALBUMS



ESW 2008 Dallas
86 items



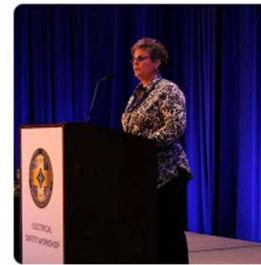
ESW 2015 Louisville
319 items



ESW 2016 Jacksonville
17 items



ESW 1995 San Antonio
3 items



ESW 2019 Jacksonville
614 items



ESW 2018 Fort Worth
302 items



ESW 2017 Reno
124 items



ESW 1992 Dallas
3 items · Shared



ESW 2014 San Diego
153 items



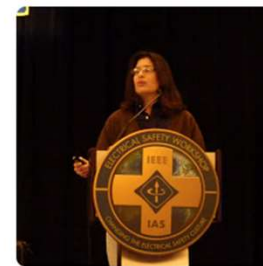
ESW 2013 Dallas
134 items



ESW 1998 Indianapolis
1 item



ESW 2012 Daytona
141 items



ESW 2011 Toronto
138 items



ESW 2009 Saint Louis
11 items

Print Photos waiting to scan:
ESW 1995 - 2007



ESW 2006 Philadelphia
8 items



ESW 2003 Houston
10 items

ESafC Photo Gallery

Sample view of ESW 2015 Album



Click on photo to download

ESafC Photo Gallery

Missing Photos



ESW 2005 Denver
No items



ESW 2007 Calgary
No items



ESW 1999 San Diego
No items



ESW 2000 San Antonio
No items



ESW 2001 Toronto
No items



ESW 2002 Biloxi
No items



ESW 1996 San Antonio
No items



ESW 1997 San Antonio
No items

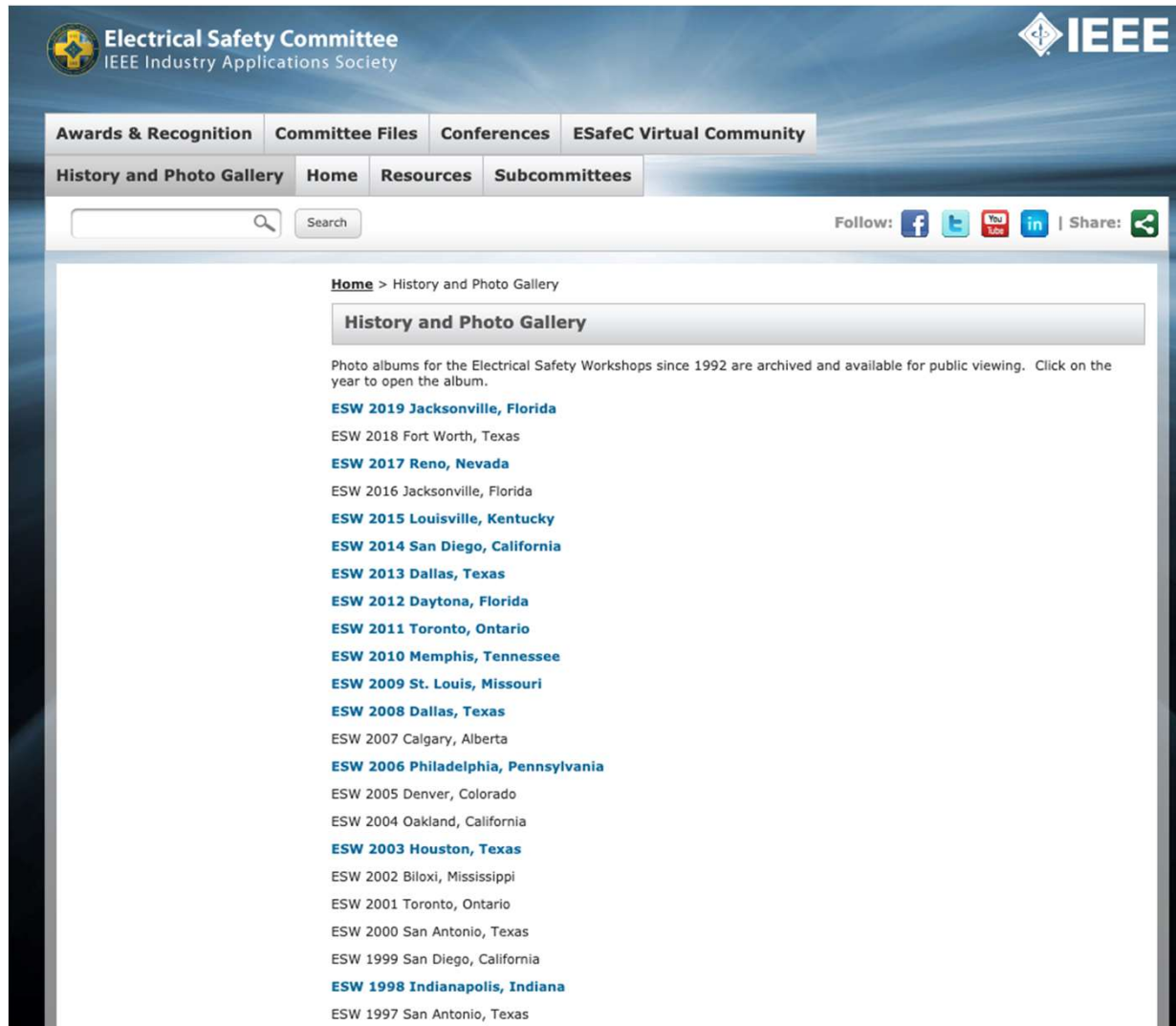


ESW 2004 Oakland
No items

Print Photos waiting to scan: ESW 1995 – 2000

Looking for: 2001 Toronto, 2002 Biloxi, 2004 Oakland

ESafC Photo Gallery



Electrical Safety Committee
IEEE Industry Applications Society

IEEE

Awards & Recognition **Committee Files** **Conferences** **ESafC Virtual Community**

History and Photo Gallery **Home** **Resources** **Subcommittees**

Search

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Home > History and Photo Gallery

History and Photo Gallery

Photo albums for the Electrical Safety Workshops since 1992 are archived and available for public viewing. Click on the year to open the album.

- [ESW 2019 Jacksonville, Florida](#)
- ESW 2018 Fort Worth, Texas
- [ESW 2017 Reno, Nevada](#)
- ESW 2016 Jacksonville, Florida
- [ESW 2015 Louisville, Kentucky](#)
- [ESW 2014 San Diego, California](#)
- [ESW 2013 Dallas, Texas](#)
- [ESW 2012 Daytona, Florida](#)
- [ESW 2011 Toronto, Ontario](#)
- [ESW 2010 Memphis, Tennessee](#)
- [ESW 2009 St. Louis, Missouri](#)
- [ESW 2008 Dallas, Texas](#)
- ESW 2007 Calgary, Alberta
- [ESW 2006 Philadelphia, Pennsylvania](#)
- ESW 2005 Denver, Colorado
- ESW 2004 Oakland, California
- [ESW 2003 Houston, Texas](#)
- ESW 2002 Biloxi, Mississippi
- ESW 2001 Toronto, Ontario
- ESW 2000 San Antonio, Texas
- ESW 1999 San Diego, California
- [ESW 1998 Indianapolis, Indiana](#)
- ESW 1997 San Antonio, Texas

1. Post 1997 “Staged Arc Test” video on YouTube Channel
2. Complete photo albums in Google Photos
3. Update Subcommittee, Past ESWs, and Affiliated ESWs pages
4. Create eBook “ESW Highlights by Year”, using articles from IEEE Industry Applications Magazine

ESW 2012

5. The Commission on Science and Technology

Longer term – for 30th Anniversary in 2022:

- Google Photo project complete
- Develop interactive index of all past presentations/papers
- YouTube Channel expanded
- eBook ESW Highlights compilation complete
- Update ESafC/ESW article from IAS 50 year anniversary issue IA Magazine
- Create catalog of ESafC webinars (multi-SC project)
- Create eBook of IAM Electrical Safety Column articles
 - 1995 – 1999, editor Bruce McClung
 - 2000 – 2005, editor Lanny Floyd
 - 2006 – 2014, editor Mary Capelli-Schellpfeffer
 - 2015 – present, editor Dan Doan

IAS Committee Relations

Hugh Hoagland

- Met with Steve Coppinger of IAS.
- Began Work on Scope of Work and Succession Planning
 - Plan to finish Scope of Work and meet with one possible successor at ESW 2020.
- Worked with India on IEEE ESW for India.
 - Offering to Speak at next conference.
- Key leaders in the following committees were sent invitations to the IEEE – ESW
 - PCIC
 - PPIC
 - I&CPS
 - PES
 - Industrial Automation Controls
 - Metal Industry Technical Committee
 - Mining Industry Committee
 - TSC
- Advertised for ESW
 - e-Hazard ArcNews
 - FaceBook
 - LinkedIn
 - Company Blog
 - At e-Hazard Train the Trainer Events 200 people invited

Industry Segment Development Subcommittee

Members: 8 Chair: Jeff Glenney

In 2020:

Webinar completed “Neutral Conductors, the Un-identified Hazard” — Juan Pena and Michael King February 12th.

Continue to promote IAS and ESW using webinars hosted by IAS

Send out **ESW2020 Slide**

In Progress:

Seeking members for subcommittee (Secretary and Vice Chair)

Webinar selection by group and based on interest of presenter

Promote previously recorded webinars

Industry Segment Development Electrical Safety Webinars

Ways to be involved:

- Spread the word using ESW info slide
- Presenters
- Moderators
- Recruiting/selection committee

Attend the **Industry Segment Development Subcommittee** meeting and share your ideas!

- Monday March 2nd 3 pm, Tuscany 12

Industry Segment Development Subcommittee

IEEE Electrical Workshop, organized by the IEEE IAS Electrical Safety Committee

...an international forum for changing the electrical safety culture & advancing application of technology, work practices, codes & regulation to prevent electrical incidents & injuries in the workplace... Since 1992 with 600+ participants from 300+ organizations

Advancing the Electrical Safety Culture



- Fundamental & advanced tutorials for engineers & safety professionals
- Electrical safety focused product & service exposition
- IEEE standards working groups *including IEEE 1584*
- Presentation by experts... *those who wrote the books!*
- Extraordinary networking with experts & fellow safety professionals

ESW 2020

March 2-6, 2020. Reno, Nevada, USA

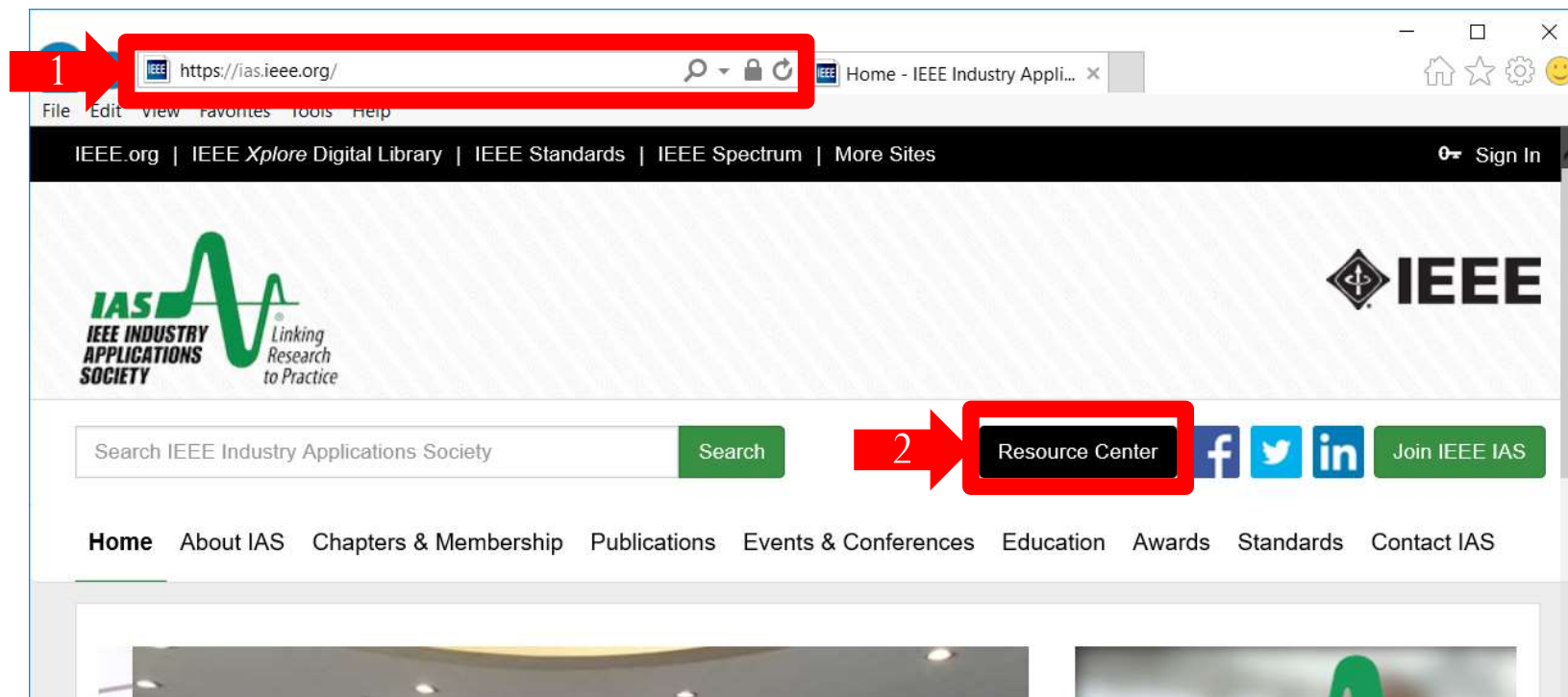
<http://www.ewh.ieee.org/cmte/ias-esw/>

Industry Segment Development Subcommittee

Electrical Safety Webinars

Visit <https://ias.ieee.org> and select **Resource Center**

Free to IAS members
IEEE members \$11
Non-members \$15



Industry Segment Development Subcommittee

Electrical Safety Webinars Archives

<https://resourcecenter.ias.ieee.org/common/content-list.archive.html>

Free to IAS members
IEEE members \$11
Non-members \$15

International Sub-committee

Marcelo Valdes, Chair: ABB, USA, marcelo.e.valdes@ieee.org;
Esperance Torres, Vice Chair;

Hugh Hoagland: Arc Wear, USA; **Terry Becker**: Canada; **Nehad El-Sherif**: Canada; **Dr. Norimitsu Ichikawa**: Japan; **Vitalis Onyia**: Shell;
Holger Schau: Germany; **Giuseppe Parise**: Italy; **Satish Chaparala**:
India; **Sonny Delta**: Nestle, USA

2020 Meeting to be held at IEEE ESW 2020,
March 2nd, Tuscan 12 at the conference hotel in Reno
16:30 = 17:30 (4:30 PM to 5:30 PM)

International Subcommittee - Summary

- Safety Video translated from Hindi to 4 languages
- Successful 2019 IEEE ESW in Costa Rica
- Planning similar event for 2020
- Discussions on going for events in India, Mexico & South Africa
- IEEE IAS and ESW members supported PowerAfrica 2019. J. Nelson spearheading efforts for 2020

Product

- Through the leadership of Mr. Chaparala & John Nelson an Electrical Safety Video created in India has been translated to French, Spanish, Arabic and Portuguese.
- Translations provided by:
 - Estellito Rangel (Portuguese)
 - Bruno Levesque (French)
 - Nehad El-Sherif (Arabic)
 - Heidi Korner & Marcelo Valdes (Spanish)

Past events

- First ever IEEE ESW held in Costa Rica, May 2019
- Successful event led by German Moya and Juan Echevarria
- Participants from the US ESW were Ray Crow, Marcelo Valdes, Dennis Hill, Albert Marroquin & Lanny Floyd
- **Next one planned for May 2021...**Who is signing up?
- Contact Juan & German! j.c.chavarriaraya@ieee.org
g.moya@ieee.org
- Sponsors, content, papers, presenters & product show content will be needed...

Future events

- Brazil 2021, Sao Paulo
 - Possible timing August 2021. Contact Estellito Rangel estellito@ieee.org if interested in participating.
- Costa Rica 2021
- Mexico 2022?
 - Contact Ivan Ruiz ivan.ruiz@etap.com & Camilo Martinez camilo.martinez@ampsafe.com if interested in participating

India

- India; past events organized by Mr. Chaparala.. . New leadership needs to step up and a new organizing committee must be set up.
- Mr. Chaparala has identified some candidates, follow up needed.

Africa

- Some discussions have been had...
- There is consideration being given to an ESW like event in South Africa in 2021 ore 2022.
- John Nelson & Bruno Levesque currently leading discussion
- Contact them if interested in providing support

Other international

- **Power Africa 2020** to be held in Nairobi, Kenya, August 2021 <https://ieee-powerafrica.org/>
- **John Nelson** is coordinating IEEE, IAS & ESW support. Contact John if you have ideas for tutorials, presentations, etc.
- A worthwhile cause <https://smartvillage.ieee.org/> IEEE Smart Village... opportunity for corporate sponsorships and volunteers

Systematic Solutions for Empowering a Community. **IEEE Smart Village (ISV)** has a unique approach to support the world's energy-impooverished communities by providing a comprehensive solution combining renewable energy, community-based education, and entrepreneurial opportunities. ISV provides seed-funding to carefully selected community entrepreneurs based upon a credible business plan that will impact significant number of people with electricity, education & jobs.

The challenges of starting & sustaining a successful business in the developing world are extreme to say the least. The ISV entrepreneurs are the true heroes. They have learned to build the confidence and support of their local communities. They consistently demonstrate a deep respect for preserving the best of local cultures & heritages while gracefully introducing new technology and business practices. Some of the challenges that they have had to overcome include extremes of climate, altitude, floods, currency devaluations, power blackouts, media blackouts, political instability, local rivalries & contentious elections.

Entrepreneurs funded by ISV collaborate in a very open way to share their successes, experiences, difficulties & lessons learned. For example, the entrepreneurs started in Africa since 2012 are still in operation with the original founders at the helm. They meet regularly to discuss how to improve their business plans.

ISV supports efforts with volunteers spanning multiple disciplines including fund development, technology, education, proposal evaluation, marketing, program operations & partner engagement. Many ISV Volunteers are IEEE members. However, its not a requirement & volunteers are needed from a wide range of backgrounds.

For those interested, volunteer information is on the Join Us section of this web site.



Occupational Safety and Health (OSH) Subcommittee

Rene' Graves

Meeting Information



- 2 meetings were attempted.
 - Participation has grown!
- Agenda:
 - How can we engage occupational safety and health professionals from all disciplines and industries?
 - How can we Develop mechanisms to broaden the electrical knowledge of those working in the occupational safety and health profession.
 - Seek out new and useful information and knowledge related to electrical safety from all industry segments.
 - Working on getting questions developed for the Board of Certified Safety Professionals.

Brainstorming Results



- Work on breaking down the wall between NFPA 70E and 70 with Safety Professionals. The CSP Prep courses or the CSP exam do not include much around electrical safety
- Distinct differences in between Electrical Safety and Classical Safety Professional training:
 - Recognition
 - Awareness
- Only time a call is made is, when they need assistance
- Risk at the public safety, ESH folks entering construction sites with no understanding of the electrical system, how it works and hazards present.
- Conference presentations focused more toward arc flash, not shock.
 - Need more relevant information for safety persons if you want them to attend
 - How do we pull those first time attendees who are not electrical background
 - How/What can we do to pull the Safety Professional and their take-away

Brainstorming Results (cont.)



- Safety Professionals don't understand LOTO and how to manage electrical hazards
- Consider having a day or a section of the workshop committed to Safety and Health Professionals
- Certification for Safety Generalist for Electrical Safety NFPA? Work with NFPA to include in NFPA 70E and CSA Z462
- How can we create WebEx training for Safety and Health Professionals to grow their knowledge

What are the obstacles to getting more people involved with electrical safety?



ASSP LearnEx New Online Courses

Access ASSP's face-to-face education in a virtual format with our new LearnEx courses.



For the first time the ESW was published in the ASSP magazine!
(Thank you! Lanny and David)

What have we done & what are out plans?



Since the 2019 ESW we have meet to discuss the above mentioned braining storming activities.

- Developed questions to be submitted to the Board of Certified Safety Professionals
- Identified a Vice Chair for this Sub-Committee –
 - Jeremy Presnal, CSP, CESCO, OHST, CHST
 - Currently is the ES&H Sr. Director, EH&S at Shermco Industries



Plans for the future:

- Provide developed questions to the BCSP for consideration
- Continue to look for opportunities to engage ESH professionals at the ESW
 - Communication to the local ASSP Chapter in the cities where conference is being held
 - Work to become presenters at the ASSP Annual Conference
 - Create presentations that can be utilized by team members to assist with education of ESH professionals on the hazards of electricity and what they can do to grow their knowledge and understanding.

Paper Review Sub-committee

Members: Chair, 3 Associate Editors, 77 Reviewers

In 2018:

32 Papers Reviewed in ScholarOne

(31 from ESW, 1 from IAS co-sponsored conference)

5 Papers sent to IEEE Transactions on Industry Appl.

11 Papers sent to Industry Applications Magazine

2 Papers being revised by authors

In Progress:

27 papers for 2019 ESW under review in ScholarOne

Products & Services Development

Irozenell Pruitt

Publications

Thomas Domitrovich

Publicity

Nehad El-Sherif

Technical Program

Mark Scott

Remaining Agenda

10. Business arising from the March 3, 2019 meeting
 - a) Discussion on how we can get involvement from Asia (especially Japan, China); need ideas on how to expand in that direction
11. New Business
12. Next face to face meeting at noon Sunday March 7, 2021 in Tucson, AZ
13. Motion to Adjourn