IEEE IAS Electrical Safety Committee Meeting Minutes

3 March 2025, 1:00pm – 3:00pm Eastern Standard Time Hyatt Regency Jacksonville Riverfront, Jacksonville FL, USA River Terrace 1

1. Call to order

a. Meeting was called to order at 1:05pm by Dennis Hill, ESafeC Chair

2. Roster

- a. Attendees were walked through digital sign in via EventMobi; attendance sheets were also circulated if anyone was having trouble with EventMobi.
- b. Quorum was established with 19 of 32 voting members present

3. Review Agenda

- a. There were no recommended changes to the agenda. Motion to approve was made by Steve Wilson and seconded by Marcelo Valdes. The motion passed unanimously.
- 4. Approval of 2024 Meeting Minutes
 - a. Two corrections to the minutes were noted:
 - i. Item 3.a replace "meeting was removed" with "meeting was reviewed"
 - ii. Item 4.b correct Daniel Roberts last name to "Roberts"
 - b. A motion was made by Marcelo Valdez to approve the minutes with corrections; Rene' Graves seconded the motion; the motion passed unanimously.

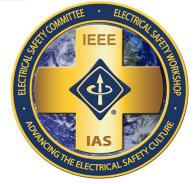
5. Report from ESafeC Chair

- a. The Chair spoke to the need for and importance of a Safety Lecturer list and importance of supporting international organizations that work to present similar content on electrical safety.
- b. Motion to amend the Operating Manual was made by Dan Doan and the motion seconded by Daniel Roberts; the motion passed unanimously.
- c. Motion to amend the Bylaws was revised to remove the slash between IAS and ESW on the second bullet, which was accepted by the Chair; Motion made by Lanny Floyd and seconded by Daniel Roberts. Motion passed unanimously.
- d. Refer to presentation slides later in this document for additional information presented.
- 6. Introduction and Summary Reports from Subcommittee Chairs
 - a. Chair provided an overview of IEEE Technical Departments and Technical Committees, IAS Electrical Safety Committee structure and a brief introduction to the Subcommittee reports.
 - b. Refer to presentation slides later in this document for subcommittee chair presentations. There was no report from the IAS Committee Relations subcommittee.
 - c. Lanny Floyd spoke to the opportunity available to get involved with the Data Center Safety Council.

7. Business from Executive Subcommittee Meeting

- a. Chair clarified that all subcommittee members are members of the Electrical Safety Committee.
- b. Chair encouraged all ESafeC Committee Members to plan to provide one ScholarOne Review or more per year.

- 8. 2025 ESW Introduction Zarheer Jooma gave a brief introduction to ESW2025 and encouraged all to participate in events.
- 9. 2026 ESW Announcement Round Rock, TX USA Michael Kovacic
 - a. Michael mentioned Round Rock was selected as one of the best places to live in 2023
 - b. Call for Papers, Presentations, and Tutorials
- 10. 2027 ESW Announcement Eric Campbell is the Chair; timing of the workshop is a little later than typical. Location TBD.
- 11. New Business
 - a. None
- 12. Motion to Adjourn
 - a. Motion to adjourn made by Steve Wilson; motion seconded by Marcelo Valdez; motion was unanimously passed.
 - b. Meeting was adjourned at 2:50pm.



IEEE IAS Electrical Safety Committee Annual Meeting – At the Electrical Safety Workshop March 3, 2025

Establishment of Quorum



 Requires over 50% of the voting members attending or connected

• *Note*: if you would like to become a 'voting member', please contact the ESafeC Chair

Electrical Safety Committee

- Voting Members

Eric Campbell

Eva Clark

George Cole

D Ray Crow

Payman Dehghanian

Daniel Doan

Paul Dobrowsky

Mike Doherty

Thomas Domitrovich

Nehad El-Sherif

Lanny Floyd

Jeff Glenney

Lloyd Gordon

Rene' Graves

Al Havens

Dennis Hill

Matt Hussey

Zarheer Jooma

Kevin Lippert

Afshin Majd

Daleep Mohla

David Pace



Jay Prigmore

Daniel Roberts

Tim Rohrer

Mark Scott

Scott Seaver

Arthur Smith

Paul Sullivan

Frank Tyler

Marcelo Valdes

Stephen Wilson

IEEE IAS Electrical Safety Committee

Approve 2025 Agenda General Meeting Agenda

- Call to order
- Roster check for Quorum
- 3. Review Agenda
- 4. Approval of Minutes of 2024 Meeting
- Report from Chair, with motions
- 6. Introduction and Summary Reports from Subcommittee Chairs
- Business from Executive Subcommittee Meeting
- 8. 2025 ESW Introduction Zarheer Jooma
- 9. 2026 ESW Announcement Round Rock, TX USA Michael Kovacic
 - a. Call for Papers, Presentations, and Tutorials
- 10. 2027 ESW Announcement Location TBD Eric Campbell
- 11. New Business
- 12. Motion to Adjourn



<u>Subcommittee meetings to follow – see EventMobi for details</u>

Report from Chair



IAS Safety Lecturer Program



- Similar to the IAS Distinguished Lecturer Program
- Approved by IAS Board
- To be administered by Electrical Safety Committee
- Program Manual Completed, IAS Reviewed and Agreed to
- Looking for volunteer individual or team to run the program
- Safety Lecturer List

International ESW Support

- For support of new/upstart "ESWs" outside of the US and Canada
- Help to Organizers of upcoming conferences
- Attend an ESW in the US/Canada for the year prior or two years prior to their own ESW
- Attend an ESW in the US/Canada for the year after their own ESW, give report and exchange ideas
- Covers registration and hotel costs
- Funding is from IAS

Revise ESafeC Operating Manual

account for Safety Lecturer Program

account for ESW International Support



4.2.12 International Subcommittee

- Engage individuals worldwide to be involved in all aspects of electrical safety.
- Seek out and distribute new and useful information and knowledge related to electrical safety from all regions.
- Coordinate visits of international (not North American) Electrical Safety Workshop Committee members to learn from a North American ESW event according to the "Policy to Support travel costs for organizers of IEEE Electrical Safety Workshops outside of Canada and the US"

5.3 Safety Lecturer Program

The IAS Safety Lecturer (SL) Program will be implemented through the Electrical Safety Committee using a specific ESafeC Representative. The Representative is chosen by the ESafeC Chair with consultation of the A&N Subcommittee. The SL Program works in close cooperation with the IAS, which funds the lecturers as they travel to assignments. The SL Program uses highly qualified, pre-selected lecturers and is available to a subset of IEEE activities.

Refer to the IEEE IAS Safety Lecturer Program Manual for details on structure and implementation.

Revise ESafeC Bylaws

account for Safety Lecturer Program

account for ESW International Support





2.0 General

The Committee is the governing body for all of its subcommittees, working groups, conference committees, standards activities, and other ad hoc committees and sponsored activities as appropriate. It is responsible for establishing and revising the Committee Bylaws and election of the Committee Chair, Vice Chair and Secretary.

Provisions in these Bylaws are supplemented by the Operating Manual and other Electrical Safety Committee documents. The current version of these two documents shall be kept on the Electrical Safety Committee website.

Other documents of the Committee include but are not limited to:

- •IEEE IAS Electrical Safety Workshop (ESW) Operating Manual
- Committee Award Nomination and Selection Process
- •ESW Policy on Business Ethics, Commercialism, and Vendor Entertainment Etiquette
- •IEEE IAS Electrical Safety Lecturer Program Manual
- •<u>IEEE IAS/ESafeC Policy to Support travel costs for organizers of IEEE Electrical</u>
 Safety Workshops outside of Canada and the US

ESW "Dual Tracks"



- ESW Subcommittee will administer
 - A&N S/C Sent its recommendations
 - Use to increase presentations
 - Phase in with shorter, then longer dual tracks as appropriate
 - Always subject to number of quality proposals
- ESW Subcommittee will work with ESW 2026 Organizing
 Committee

ESafeC Calls for Nomination of Awards

 ESafeC calls go out August each year from Awards and Recognition Subcommittee

• WHAT:

- Young Professional Achievement Award
- Technical Achievement Award
- Excellence in Prevention through Design Award
- H. Landis Floyd Outstanding Service Award
- William C. Jordan Award

ESafeC Calls for Nomination of Awards

- WHO:
 - Award Criteria (who should be nominated)
 - Nomination Form (who nominates)
 - Any member of the Committee, or any of its subcommittees, is eligible to submit nominations for the Award.
 - The GENERAL IEEE, IAS or public is not solicited for nominations.

ESafeC Officer Succession Plan



- ESafeC Officer Typical Progression
 - Secretary 2 years term E. Clark 2024.04 to 2026.04
 - Vice Chair 2 years term P. Sullivan 2024.04 to 2026.04
 - Chair 2 years term D. Hill 2024.04 to 2026.04
 - Past Chair 2 years term D. Doan 2024.04 to 2026.04
- Next Secretary recommended for start in April 2026
 - Motion to Approve at next ESafeC General Meeting

Data Center Industry Engagement



- Lanny Floyd
- Kristin Zaloudic
- Initial meeting to develop an enduring relationship and provide a complimentary booth/station for the Data Center Safety Council at ESW

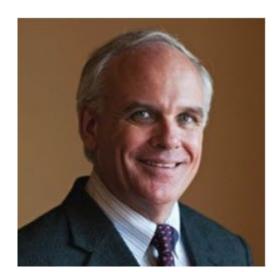
ESafeC Secretary & S/C



- ESafeC Operating Manual
 - "Obtain[] from Subcommittee Chairpersons a copy of the minutes of Subcommittee meetings"
 - "Record the membership lists for each subcommittee"
- Eva Clark will contact S/C Chairs for:
 - Chair, Vice Chair, Secretary (as applicable)
 - Membership List with contact information

(Recent) IEEE Fellows!!

Dave Durocher



• Tammy Gammon





(Recent) IEEE Senior Members!!



- David Wallis
- Ron Widup
- Karki Bibek

Senior member nominations can be made at:

https://www.ieee.org/membership/senior/



IEEE Industry Applications Society's 60th Anniversary

Subcommittee Reports

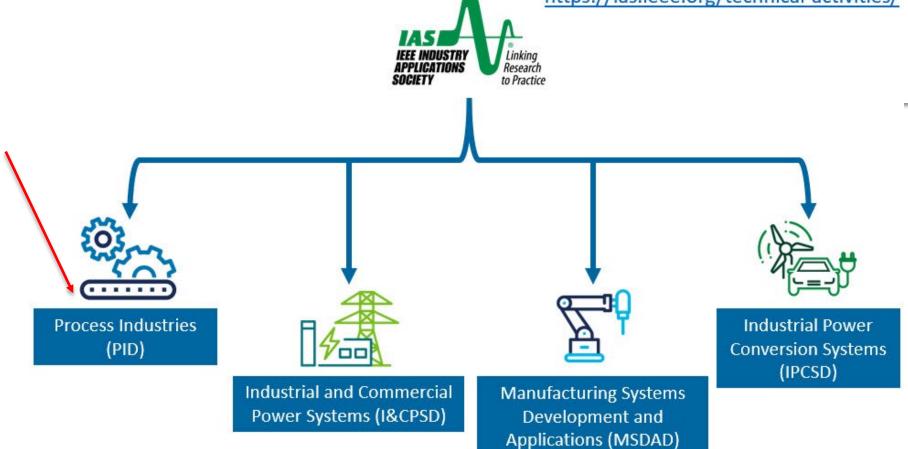


- 1. ESW
- 2. International Development
- 3. Academic Development
- 4. Construction
- 5. Early Career Development
- 6. Government, Regulators, Inspectors & Labs
- 7. IAS Committee Relations
- 8. Industry Segment Development
- 9. Occupational Health & Safety
- 10. Ad Hoc Utilities Outreach

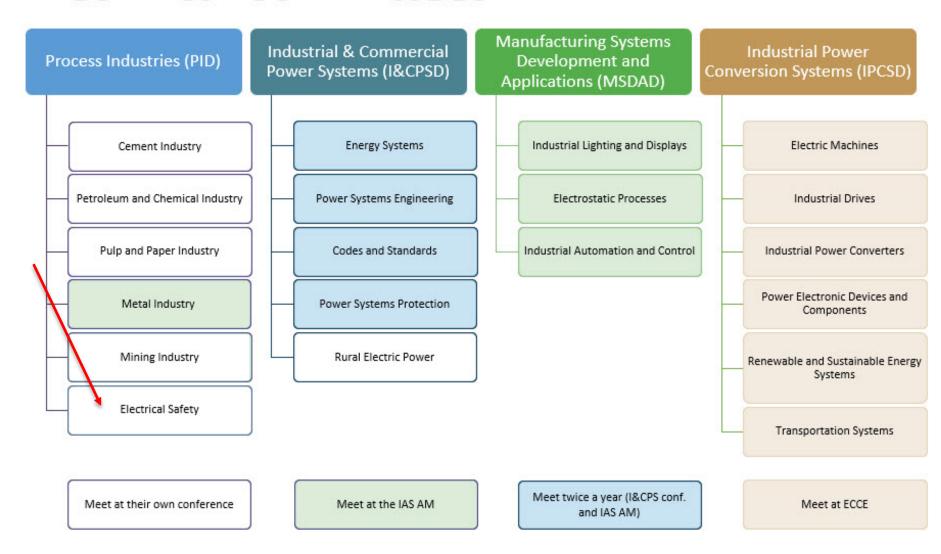
- 11. Standards
- 12. Paper Review
- 13. Technical Program
- 14. Awards & Recognition
- 15. Facilities & Finance
- 16. Historical & Records
- 17. Publicity & Media
- 18. A&N

Technical Departments

https://ias.ieee.org/technical-activities/



Technical Committees

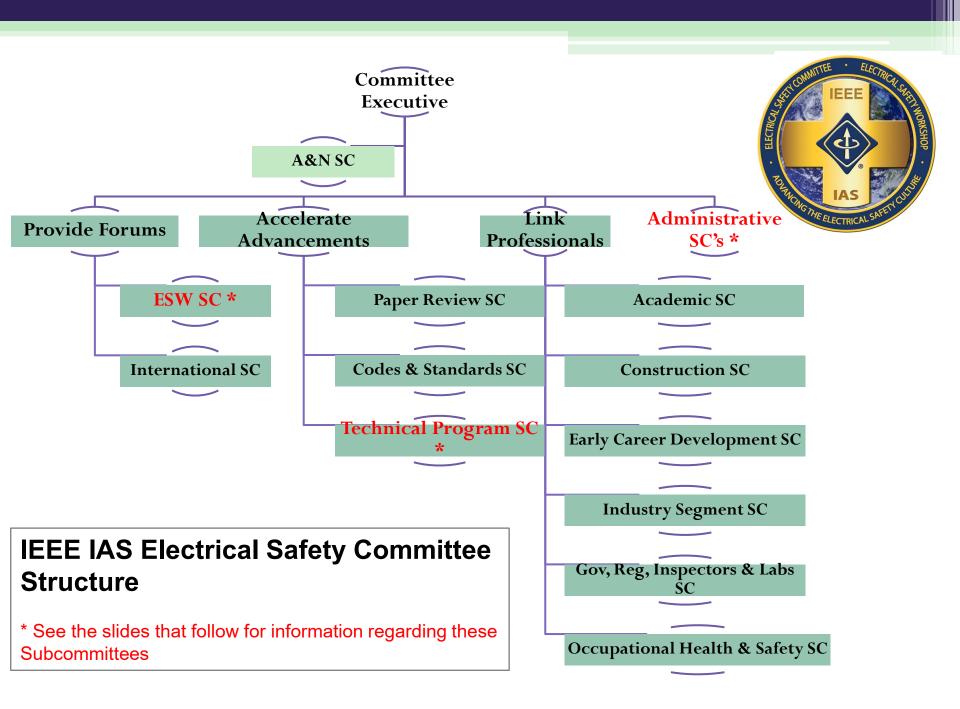


IEEE IAS Electrical Safety Committee Proposed Reorganization According to Mission & Strategy

Mission

Accelerate application of breakthrough improvements that reduce risk
Stimulate innovation to overcome barriers
Advance the electrical safety culture

Strategy & Structure			
Provide forums for people to meet and exchange ideas	Accelerate advancements in development and application of technology, work practices, standards, and regulations	Link professionals, practitioners and centers of excellence	Administrative Subcommittees
Annual ESW: • ESW SC Regional ESW's: • International Development SC	ESW Technical Program & Tutorials: • Technical Program SC Publish ESW Papers: • Paper Review SC Codes & Standards development and participation: • Codes & Standards SC	Segment Specific Subcommittees Academic Development Construction Early Career Development Government, Regulators, Inspectors & Labs IAS Committee Relations Industry Segment Development Occupational Health & Safety	ESW venue logistics and finances Facilities & Finance Develop and maintain material of historical interest Historical & Records Develop and maintain websites and social media platforms Publicity & Media Promote Committee Awards and facilitate ESW Awards Ceremony Awards & Recognition







Electrical Safety Workshop Subcommittee

IEEE ILECTRICAL SAFET COMMITTEE . ELECTRICAL SAFET COMMITTEE . ELECTRICAL

Chair: Scott Seaver √

Vice Chair: Zarheer Jooma

Vice Chair: Michael Kovacic

Secretary: Rene' Graves

Scope:

- Plans, organizes, and runs the annual ESW.
- Specific duties of the ESW Subcommittee and its members are outlined in the ESW Operating Manual.

Electrical Safety Workshop Subcommittee

Accomplishments / activities in 2024:

- Re-name Outstanding Service Award
- Establish and Integrate New Event Planner
- ESW Operating Manual review and maintenance
- Expo- Best Product Award

Planned for 2025:

- Negotiate/Deliver future contracts
- Survey Management- ESW & IEEE
- The Dual Track program Based on content
- Vendor Communication Management procedure-. How do we manage Corporate Support, Exhibitors and Hospitality suite sponsors

International Subcommittee

Chair: Marcelo Valdes √

Vice Chair: Mario Aleman, Nehad El-Sherif



Scope:

- Engage individuals worldwide to be involved in all aspects of electrical safety.
- Seek out and distribute new and useful information and knowledge related to electrical safety from all regions.

Objective: to advance the state of the art in methods and technologies that contribute toward prevention of occupational electrical incidents and injuries; and to promote and support electrical safety activities in IAS committees, technical activities and IAS chapter activities **globally**.

International Subcommittee

2024:

Official international organizers support policy for ESafC

5 US travelers supported, 1 from Panama

Interest in ESW type events in South America, Africa & Europe

- Successful ESW type event held in Bogota, Colombia, October 2024
- Successfully applied for conference in Guatemala for 2025

2025:

ESW in Guatemala City, October 2025, Planning well under way, IEEE registration obtained

ESW in Lagos, Nigeria, October 2025, Planning under way, IEEE registration requested

ESW in Brazil, October 2025, well under way... Recent past conferences not officially IAS/ESW... But corrected now, IEEE registration obtained

Safety conference (not IAS ESW), Poland November 2025

Discussions for events in 2026 starting; committee formed for Panama 2026



Panama ESW 2026

Date: possibly Q4 2026

Committee:

Ing. Guadalupe Gonzalez - Chair

Ing. Gustavo Salloum

Ing. Thomas Abrahams

- IAS Panama Section Chair
- Young Professionals & Students
 Chair

Fotis Stringos

Panama tourism organization



Advisors

- Marcelo E Valdes
- Mario Aleman
- Mario de la Ossa





Venue

Westin Camino Real, Guatemala City, Guatemala October 15-17, 2025



ieee.org











IEEE IAS Electrical Safety Workshop

Guatemala 2025



ieee.org





Where is Guatemala?

Mayan Capital, 23 languages

17 million people, coffee, rum and fruits!

Major industrial capital in Central America



ieee.org

Attendees



- Ministry of Energy and Mines (MEM)
- Commission of National Electrical Regulation (CNEE)
- **Association of Power Transmission Lines (AGTE)**
- > Association of Electric Mobility (AMEGUA)
- National Institute of Rural Electrification Development (ETCEE-EGEE-INDE)
- Ministry of Environment and Renewable Energies
- **▶** Institute of Electrical and Electronics Engineers, IEEE Guatemala
- Bomberos Voluntarios Guatemala (Firefighters Guatemala)
- Cruz Roja Guatemala (Red Cross Guatemala)
- > National Center of Dispatch ENEE Honduras
- Interconnection Regional Commission (CRIE)





ESW Program

Guatemala 2025



Technical Program



- March 27: Symposium "Electrical Safety for decision makers"
- October 15: technical tutorials, exhibit hall opening 35 booths
- October 16: technical sessions, exhibit halls
- October 17: technical sessions and panel, exhibit halls

Social Program





- October 15, 2025: Social networking event *IEEEYP Meet-Up
- October 16: Gala dinner (speakers, sponsors and participants)
- October 17: Zacapa house night tour, Zona 10 Guatemala
- October 18: Antigua day tour, transportation and lunch



Organizing Committee

- **Erik Rosales General Chair, IEEE IAS ESW Guatemala 2025**
- Mario Aleman Program director
- Carlos Boj Technical Program
- **Edgar Chaj Technical Program**
- Juan Valle Technical Program
- Mario de la Ossa Exhibit Program
- Herman Juarez Exhibit Program
- David Lopez Liaison Central America
- Christian Orellana Engagement Program
- Marcelo Aguero and Pablo Moliterno Webmasters
- **→** Hector Reyes Section Chair and social activities
- Marcelo Bobadilla Advisor





<mark>Join us!</mark> ¡Bienvenidos !







ESW-Colombia

Host: Universidad de los Andes

Bogotá-Colombia.

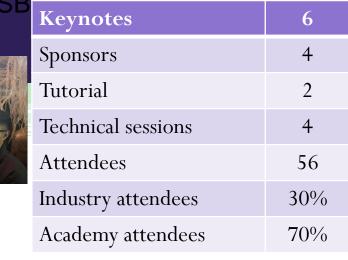
Supported by: IAS-ESafeC

Organizing Committee:

IAS-Uniandes SB

IAS-Unal SB









IEEE IAS Electrical Safety Workshop. Jacksonville







Highlights:

- ESW-Colombia had diverse agenda, including presentations on electrical safety audits, overcurrent protection coordination, and arc-flash considerations. The sessions emphasized the critical role of engineers in interpreting safety standards to ensure electrical safety.
- the ESW-Colombia event presented significant opportunities to further promote electrical safety
 culture in Colombia and the region. The discussions and tutorials underscored the importance of
 collaborative efforts among designers, constructors, inspectors, and project promoters to
 enhance safety standards.
- It coul be considered to offer a Electrical Safety summer school course in IEEE R9 Universities including students and professionals. This course will be supported by ESafeC.

Contac information: Gustavo Ramos e-mail: gramos@Uniandes.edu.co Workshop. Jacksonville

ESW BRASIL... 2003-20025

I SEMINÁRIO INTERNACIONAL DA ENGENHARIA ELÉTRICA NA SEGURANÇA DO TRABALHO

> ESW 2003 -BRASIL

Guararema - São Paulo - Brasil 21 e 22 de outubro de 2003





II SEMINÁRIO INTERNACIONAL DA ENGENHARIA ELÉTRICA NA SEGURANÇA DO TRABALHO

ESW 2005 - BRASIL

São Paulo - Brasil

25 e 26 de outubro de 2005





III SEMINÁRIO INTERNACIONAL DA ENGENHARIA ELÉTRICA NA SEGURANÇA DO TRABALHO

ESW 2007 - BRASIL

Rio de Janeiro - Brasil
02 e 03 de outubro de 2007







V SEMINÁRIO INTERNACIONAL DA ENGENHARIA ELÉTRICA NA SEGURANÇA DO TRABALHO São Paulo - 08, 09 e 10 de novembro de 2011

LAS ESTE NOISTRY
APPLIATORS
SOCETY

Programação ESW BRASIL 2013

18 de outubro de 2013





IX IEEE ESW-Brasil 2019

A Engenharia Elétrica na Segurança do Trabalho 16 a 18 de julho de 2019 – Salto, SP Programa

02 de dezembro de 2015

Programa

04 de outubro de 2017

05 de outubro de 2017

Temática do dia:

O arco elétrico, a segurança no projeto, na obra, na operação e na manutenção

X ESW BRASIL 2021 - RELIZADO NO FORMATO VIRTUAL



XI ESW Brasil – Realizado no auditório do IEE – USP







IEEE IAS Electrical Safety Committee Proposed Reorganization According to Mission & Strategy

Mission

Accelerate application of breakthrough improvements that reduce risk
Stimulate innovation to overcome barriers
Advance the electrical safety culture

Strategy & Structure				
Provide forums for people to meet and exchange ideas	Accelerate advancements in development and application of technology, work practices, standards, and regulations	Link professionals, practitioners and centers of excellence	Administrative Subcommittees	
Annual ESW: • ESW SC Regional ESW's: • International Development SC	ESW Technical Program & Tutorials: • Technical Program SC Publish ESW Papers: • Paper Review SC Codes & Standards development and participation: • Codes & Standards SC	Segment Specific Subcommittees Academic Development Construction Early Career Development Government, Regulators, Inspectors & Labs IAS Committee Relations Industry Segment Development Occupational Health & Safety	ESW venue logistics and finances Facilities & Finance Develop and maintain material of historical interest Historical & Records Develop and maintain websites and social media platforms Publicity & Media Promote Committee Awards and facilitate ESW Awards Ceremony Awards & Recognition	

Academic Development Subcommittee

IEEE ILECTRICAL SAFE COLUMN TO THE ELECTRICAL SAFE COLUMN TO THE E

Chair: Afshin Majd

Vice Chair: Wei-Jen Lee

Scope:

- Engage students and instructors in all aspects of electrical safety and related standards.
- Implement initiatives designed to increase the value of the ESW for the subcommittee members.
- Seek out new and useful information and knowledge related to electrical safety standards, and guidelines which can be taught in academia.
- Find opportunities to use academia to spread information and knowledge related to electrical safety to students and others.

Academic Development Subcommittee

Accomplishments / activities in 2024:

- IEEE Paper review
- 6 Workshops (within the company)
- 1 subcommittee meeting
- Attending IEEE P3002.9 WG meetings
- 2 mentors

Planned for 2025:

- Planning to attend 1 IEEE event
- Continuing the mentorships
- Industry collaboration on Datacenter standards



Construction Subcommittee



Officers:

- Eric Campbell Chair Chris Fink √
- Robert Spang Vice Chair
- Terry McKinch Vice Chair
- Open Secretary

Staff Augmentation

- Robert LeRoy Communications WG Leader
- Michael J. Powers Working Group Leader at Large
- Scott Mitchell Working Group Leader at Large
- Open Working Group Leader at Large
- Frank Foote Outreach

Construction Subcommittee



Scope:

- Engage individuals involved in construction activities from all disciplines and industries to get individuals from these organizations involved in all aspects of electrical safety.
- Communicate the advantages of proactive, positive, engaged and participation at the Electrical Safety Workshop by all segments of the construction industry.
- Promote the inclusion of leading-edge abstracts for papers, focus sessions and tutorials across a very wide range of construction sectors using today's best practices.

Construction Subcommittee

2024 Activities

- Quarterly meetings with committee officers
 - Refinement of communication Outlook Group emails
 - Mentoring for authors
- Tutorial Development: None during 2024
- Paper Development: 2-3

2025 Initiatives

- Regular and consistent communication with committee officers with clearly defined goals
- Maintain mailing list for ease of communication with members
- Promote development of 'Abstracts' and reinforce peer/mentor circles for authors
- For each ESW, Industry outreach specific to region.



Early Career Development Subcommittee

Chair: Brad Kelley √

Vice Chair: Tim Beasley



Scope:

- Develop and implement methods to increase and maintain participation in committee activities by individuals who are students or Charter - are early in their professional careers.
- Provide guidance for improvements to the overall effort for future years.
- Develop methods to encourage this audience to attend and become involved in the ESW.
- Work in conjunction with the Academic Development Subcommittee.

Early Career Development Subcommittee



Accomplishments / activities in 2024:

- Develop website for early career electrical safety professionals
 - Established content for website
 - ➤ Working with IEEE leadership to create website
- Created scavenger hunt for first time ESW attendees to contact and talk to experienced electrical safety professionals

Planned for 2025:

- Complete and launch website for early career professionals
- Develop guidance for early career professionals to include on website

Government, Regulator, Inspectors and Laboratory Subcommittee



Chair: Jennifer Martin √

Vice Chair: Ray Joggerst

Scope:

 Engage with individuals, groups or organization in governments, regulators, inspection organizations and laboratories for the purpose of increasing the involvement of these groups in all aspects of electrical safety.

Last Meeting: March 4, 2024 Participants: 22

- National Laboratories: LANL, NNSS/MSTS, INL, ORNL, LBNL, BNL, PNNL
- DOE Nuclear: Bechtel, Hanford
- Military: Navy
- Industry: General Motors, Schneider Square D, Eaton

Government, Regulator, Inspectors and Laboratory Subcommittee



Accomplishments / activities in 2024:

- Appointed new Chair and Vice Chair
- Continuation of unifying an electrical safety program at DOE's NNSA sites (LANL, LLNL, SNL, NNSS)
- Continued to meet once a year
- Discussed Best Practices for qualification methods for GRIL AHJs

Planned for 2025:

- Engage OSHA, UL, IEC, IAEI, ICC to participate
- Increased meeting periodicity
- Discuss the best practices and methods among IEEE and Government/Labs including IEEE IAS ESW-2025 presentations
 - ESW2025-07: Implementation of an Electrical Safety Authority at a Global Testing, Inspection and Certification (TIC) Organization;
 - ESW2025-35: Safety Culture or Compliance?

IAS Committee Relations Subcommittee

IEEE ISANTANA IAS INTERPRETATION OF THE ELECTRICAL SAFERTURE OF THE ELECTRICAL SAFERTU

Chair: Matthew Hussey

Vice-Chair: Name

Scope:

 Serve as liaison between IEEE IAS committees and subcommittees and the Committee for the purpose of increasing the reach and influence of the Committee and encourage their members to get involved in all aspects of electrical safety.

Industry Segment Development Subcommittee



Chair: Kristin Zaloudek

Vice Chair: Duane Boswell

Secretary: Jeff Glenney √

Scope:

- Engage individuals of all technical backgrounds in all segments of industry to become involved in electrical safety.
- Implement initiatives designed to increase the value of the ESW for these organizations

Industry Segment Development Subcommittee



Accomplishments / activities in 2024:

- Completed 3 webinars
- Working on outreach to gain more safety shares
- Welcoming a new Industry to IEEE
 - Data Center Safety Council

Planned for 2025:

- Working on template / safety shares
- Selection of Presentations from the conference for Webinars

OHS Subcommittee



Subcommittee Officers

- Chair: Jeremy Presnal, CSP
- Vice Chair: Rene' Graves, CSP
- Secretary: George Cole, CESCP

Subcommittee Composition

- Approx. 65 members:
- 14 new 2023, 51 existing
- Typical # of meetings/year: 3 4

Scope / Objectives:

- Engage occupational safety and health professionals from all disciplines and industries.
- 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.

Facilitated 3 meetings in 2024, Q1-25 meeting (in person) at ESW

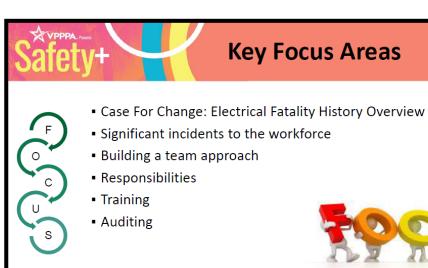
2024 Outreach Efforts











OHS Subcommittee Secretary, George Cole presented "The Shocking Truth" at 4 safety conferences in 2024 (2 for IP and 2 for VPP).

Several members presented at ESW-24 and again we have a solid presence at ESW-25

2024 OHS Subcommittee Focus "Knowledge Sharing"





Q3-24 OHS Subcommittee Presenter:

Daniel Mojano, ESFI – presented an excellent presentation for Safety Professionals on electrical safety statistics / historical performance

Q3-24 OHS Subcommittee Presenter: Lanny Floyd, Electrical Safety Group – presented an excellent presentation for Safety Professionals on Electrical Hazards / Risks & System Safety

2025 Plan & Priorities



Annual OHS Subcommittee Meeting:

- Time: 4:00PM

- Location: City Terrace 4

- All are welcome ©

Agenda / Objectives:

- Subcommittee Plan / Priorities
- Member Engagement
- Knowledge Sharing
- Networking Opportunities



Ad Hoc Subcommittee

IEEE

ROLLANDER THE ELECTRICAL SAFER CICLIAN SAFER CICLIAN

Lead: George Cole √

"Electric Generation, Transmission, Distribution and Storage"

- Engage electric utilities to benefit from practices, codes and standards of non-electric utilities; engage non-electric utilities to benefit from practices, codes, and standards of the electric utilities.
- Promote the sharing of electrical safety practices, testing, and research between electric utilities and other generation, transmission, and distribution entities using IEEE forums, conferences, and publications.
- Implement initiatives designed to increase the value of the ESW for organizations engaged in electric generation, transmission, and distribution.

IEEE IAS Electrical Safety Committee Proposed Reorganization According to Mission & Strategy

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Stimulate innovation to overcome barriers
Advance the electrical safety culture

Strategy & Structure				
Provide forums for people to meet and exchange ideas	Accelerate advancements in development and application of technology, work practices, standards, and regulations	Link professionals, practitioners and centers of excellence	Administrative Subcommittees	
Annual ESW: • ESW SC Regional ESW's: • International Development SC	ESW Technical Program & Tutorials: • Technical Program SC Publish ESW Papers: • Paper Review SC Codes & Standards development and participation: • Codes & Standards SC	Segment Specific Subcommittees Academic Development Construction Early Career Development Government, Regulators, Inspectors & Labs IAS Committee Relations Industry Segment Development Occupational Health & Safety	Facilities & Finance Facilities & Finance Develop and maintain material of historical interest Historical & Records Develop and maintain websites and social media platforms Publicity & Media Promote Committee Awards and facilitate ESW Awards Ceremony Awards & Recognition	

Standards Subcommittee

Chair: Lloyd Gordon √

Vice Chair: Tom Domitrovich

Scope:

- Coordinate activities of Standard Working Groups at the ESW.
- Lead the effort to initiate and oversee the process for establishing new Standard Working Groups as appropriate.

Working/Standards Groups

P1814 Electrical System Design Modifications to Improve Electrical Safety (Dennis Hill)

P1683 Guide for Motor Control Centers Rated up to and including 600 V AC or 1000 V DC with

Recommendations Intended to Help Reduce Electrical Hazards (Marcelo Valdes)

1584 Arc Flash Hazard Calculations Working Group (Daleep Mohla)

Three Risk Assessment Study/working groups

- (1) Standard for Risk Assessment for Working on Special Electrical Equipment (Gordon)
- (2) P3593 Assessing and Reducing Risk When Performing Energized Work on Stationary Batteries (Rosewater)
- (3) Standard for Assessing and Reducing Risk When Performing Energized Work on Electric Vehicles (Gordon/Brock)

P2969 Continuous Thermal Monitoring Working Group, (Peter Baen)



Standards Subcommittee

Accomplishments 2024 and Plans 2025

P1814 Design (Dennis Hill) 40 voting members, met twice in 2024

2024 - Three task groups, developed material, circulated, revised

2025 – Final ballot

P1683 MCCs (Marcelo Valdes)

2024 -

2025 – reballot

1584.2 Arc Flash (Daleep Mohla)

2024 – completed two recirculation ballots

2025 – submit to REVCOM

Three Risk Assessment Study/working group

(1) Special Electrical Equipment (Gordon)

2024 - draft PAR, interested members signed up

2025 – approve PAR, initiate study group, develop draft

(2) P3593 Stationary Batteries (Rosewater) – cosponsored PES and IAS

2024 – PAR approved

2025 – develop draft standard

(3) Electric Vehicles (Gordon/Brock)

2024 – draft PAR, interested members signed up

P2969 Thermal Monitoring (Peter Baen)

2024 -

2025 -



(March 2025)



Members

- Chair: Zarheer Jooma √
- Associate Editors: Paul Sullivan, Jay Prigmore, David Rosewater

Purpose

Oversee the technical review of information presented at the ESW, for the purpose of evaluating the accuracy and the value as reference or source material in the future. (may support other conferences)

Recommend the selection of the various materials and information for publication and recognition.

Report

- Numbers (ESW-2024)
 - Main Conference 27
 - Focus Sessions 6
 - Student Posters (to papers) 6
- Presented Status
 - Invited to Submit 33 (papers) + 6 (student posters)
 - Manuscripts Received 23
 - Manuscripts with Final Decisions 16 (12 accepted, 4 rejected)
 - Manuscripts in Process 7 (2 in review, 5 awaiting final files)

(March 2025)



2024 Reflections

- Normal challenges with reviewers (numbers of reviewers, time, poor response)
- Excellent response and review time from new and existing Associate Editors
- Decrease in Manuscripts Submitted: 27 ('23) v. 23 ('24)
 - Student paper submittal main driver (6 v. 2)
 - Some authors voiced discomfort with the 20%-30% and did not submit the paper
 - Discussion: Peer review process and scoring in S1M used for prize papers

2025 Goals

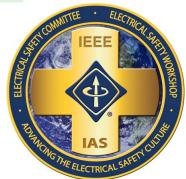
- Early request for paper submittals in S1M Started late last year
- Continue to interact with authors during conference
- Increase reviewers through networking by creating awareness (Event Mobi!)

(Publications 2024: IEEE Transactions on Industry Applications - TIA)



Manuscript ID	Author(s)	Manuscript Title	
September/October 2024 Issue of IEEE TIA			
2023-PCIC-0532	John A. Kay, Philip Allen, Eric Norton	Safety Through Switching Speed	
July/August 2024 Issue of TIA			
2023-ESafC-0475	Tim Piemonte, Mark Pollock	Safety for the Non-Electrical Worker: Special-Purpose GFCIs are a Step Closer in Prevention Through Design	
May/Jun 2024 Issue of TIA			
2023-ESafC-0404	Albert Marroquin and Terry McKinch	Methods For Evaluating DC Arc-Flash Incident Energy In Battery Energy Storage Systems	

(Publications 2024: IEEE Transactions on Industry Applications - TIA)



Manuscript ID	Author(s)	Manuscript Title	
Mar/Apr 2024 Issue of TIA			
2023-ESafC-0481	Riccardo Loggia and Alessandro Flamini	Electrical Safety Enhanced with BIM, SCADA and Digital Twin Integration: a Case Study of a MV-LV Substation	
2023-ESafC-0465	David M. Rosewater	Reducing Risk when Performing Energized Work on Batteries	
2023-ESafC-0469	Danilo Ferreira de Souza, Walter Aguiar Martins Jr, Edson Martinho, and Hédio Tatizawa	Irregular Electrical Cables	
2023-ESafC-0456	Aasim Atiq, Eduardo Ramirez- Bettoni, Brian Shiels, Claude Maurice, and Hugh Hoagland	Arc Rating Variability and Repeatability: Why Does Fabric Arc Rating Vary and Which Value is Correct?	
Jan/Feb 2024 Issue of TIA			
2023-ESafC-0405	Lloyd B. Gordon	Modeling the Dynamic Behavior of DC Arcs	

(Publications 2024: IEEE Industry Applications Magazine - IAM)



Manuscript ID	Author(s)	Manuscript Title
Issue 3 May-Jun 2024		
2023-ESafC-0407	Floyd, H. Landis	THROUGH THE LENS OF SYSTEMS SAFETY: THE LIMITATIONS OF A COMPLIANCE-BASED SAFETY CULTURE AND OPPORTUNITIES TO REDUCE ELECTRICAL INJURIES
2023-ESafC-0410	El-Sherif, Nehad; Domitrovich, Thomas	DEMYSTIFICATION OF ARC-FAULT CIRCUIT-INTERRUPTERS (AFCIs) – PART I: BEGINNING OF THE ODYSSEY
2023-ESafC-0454	Rachford, Joseph	WHY CAN'T A PERSON USE A PROXIMITY SENSOR TO VERIFY A ZERO VOLTAGE STATE FOR LOW VOLTAGE SYSTEMS BUT IT IS OK FOR HIGH VOLTAGE SYSTEMS?
2023-ESafC-0474	Burns, Robert; Hrncir, Dan; Johnson, Austin	ARC QUENCHING TECHNOLOGY IN SWITCHGEAR – SURPASSING IEEE C37.20.7
2023-ESafC-0457	Majano, Daniel; Brenner, Brett	WHY DO ELECTRICAL FATALITIES OCCUR ON THE JOB? UNDERSTANDING THE HUMAN FACTOR OF A FATALITY
2023-ESafC-0476	de Souza, Danilo; Martins, Walter; Martinho, Edson; Tatizawa, Hedio	AN ANALYSIS OF ACCIDENTS LEADING TO ELECTRICAL SHOCKS IN BRAZILIAN ELECTRIC POWER DISTRIBUTION
2023-ESafC-0412	Sullivan, Paul; Scarborough, Mark	LEARNINGS FROM A 480 VOLT ARC-FLASH EVENT

Paper Review Subcommittee

(Publications 2024: IEEE Industry Applications Magazine - IAM)



Manuscript ID	Author(s)	Manuscript Title
Issue 2 Mar-Apr 2024		
2022-ESC-1507	Gautam, Mukesh; Bhusal, Narayan; Benidris, Mohammed	POST-DISASTER ROUTING OF MOVABLE ENERGY RESOURCES FOR ENHANCED DISTRIBUTION SYSTEM RESILIENCE: A DEEP REINFORCEMENT LEARNING-BASED APPROACH
Issue 4 Jul-Aug 2024		
2023-ESafC-0411	El-Sherif, Nehad; Domitrovich, Thomas	DEMYSTIFICATION OF ARC-FAULT CIRCUIT-INTERRUPTERS (AFCIs) – PART II: TECHNOLOGY AND APPLICATIONS
2023-ESafC-0406	Sullivan, Paul	DID YOU REALLY TEST THAT INTERLOCK?
2023-ESafC-0480	Su, Po-En: Chen, Po-Chen; Zia, Kaynat; Marroquin, Albert; Lee, Wei-Jen	CURRICULUM OF ARC-FLASH ANALYSIS FOR COLLEGE STUDENTS
Issue 5 Sep-Oct 2024		
2022-ESafC-0611	Linja-aho, Vesa	ASSESSING THE ELECTRICAL RISKS IN ELECTRIC VEHICLE REPAIR
Issue 6 Nov-Dec 2024		
2023-ESafC-0458	Kay, John; Arvola, Juha; Manninen Mikko	DOORS WIDE OPEN: SAFETY BEYOND THE STANDARDS

Technical Program Subcommittee

Chair: Mark Scott

Vice Chair: Al Havens √



Scope:

- Stimulate submissions of papers to expand published knowledge.
- Establish topic diversity and quality standards for ESW papers.
- Develop opportunities for electrical safety papers in other IAS Committees.
- Provide guidance in the development of ESW papers.
- Provide guidance in the development of tutorials.
- Provide guidance in the development of poster sessions.
- Provide guidance for the selection of the Annual ESW Technical Program members.
- Support the ESW Subcommittee as outlined in the ESW Operating Manual.

Technical Program Subcommittee

Accomplishments / activities in 2024:

- Met on 5 occasions
- Provided guidance on carry-over papers and tutorials
- Continued Mentoring program somewhat under utilized
- Only two people requested mentors last ESW
- Al Havens spoke with a lot of people encouraging them to use mentors
- We have 12 mentors available who are enthusiastically willing to help
- Updated ESW Body of Knowledge (BOK) with cross-referencing to IEEEXplore.

Planned for 2025:

- We are considering improvements to the ESW Paper Style guide to incorporate MS Word quick-editing and formatting features.
- We are continuing to update the Body of Knowledge database.



IEEE IAS Electrical Safety Committee Proposed Reorganization According to Mission & Strategy

Mission

Accelerate application of breakthrough improvements that reduce risk Stimulate innovation to overcome barriers Advance the electrical safety culture

Strategy & Structure

5 ,					
Provide forums for people to meet and exchange ideas	Accelerate advancements in development and application of technology, work practices, standards, and regulations	Link professionals, practitioners and centers of excellence	Administrative Subcommittees		
Annual ESW: • ESW SC	ESW Technical Program & Tutorials:	Segment Specific Subcommittees • Academic Development	ESW venue logistics and finances • Facilities & Finance		

 International Development SC

Regional ESW's:

- Technical Program SC Publish ESW Papers:
- Paper Review SC Codes & Standards development and participation:
 - Codes & Standards SC

- Construction
- Early Career Development
- Government, Regulators, Inspectors & Labs
- IAS Committee Relations
- Industry Segment Development
- Occupational Health & Safety

- e logistics and finances
- Develop and maintain material of historical interest
- · Historical & Records Develop and maintain websites and social media platforms
- Publicity & Media Promote Committee Awards and facilitate ESW Awards Ceremony
 - · Awards & Recognition

Awards and Recognition Subcommittee

Chair: Dave Durocher √

Vice Chair: Scott Seaver



Scope:

- Engage members of the Committee to nominate worthy individuals for Committee Awards.
- Manage the online nomination process for Committee Awards. Determine
 which nominees, if any, meet or exceed the award criteria. Provide the
 nominations forms, including endorsement letters if any, to the Advisory &
 Nominations Subcommittee which will make the final award determination.
- Notify awardees of paper awards chosen by the Paper Review Subcommittee.
- Manage the presentation of awards and recognition at the annual ESW.
- Administer the Lapel Pin Policy [5.1].

Awards and Recognition Subcommittee



Accomplishments / activities in 2024:

- New Subcommittee Chair (thanks to Kevin Lippert, Scott Seaver and Dennis Hill for support)
- Call for Award Nominations sent by Dennis 08/20/24 (deadline of 10/15/24 extended to 10/31/24)
- Seven nominations for five awards (one on 10/30, three on 10/31, two on 11/01, thank you Paul Sullivan Formplus)
 - William C. Jordan Award Daryld Ray Crow
 - H. Landis Floyd Outstanding Service Award L. Rene' Graves
 - Excellence in Prevention through Design Award David B. Durocher
 - Technical Achievement Award David Wallis
 - Young Professional Achievement Award David Rosewater

Planned for 2025:

More of the same

Facilities and Finance Subcommittee

Chair: Steve Wilson √

Vice Chair: Rene' Graves



Scope:

- Manage identification of locations for future Electrical Safety Workshops.
- Manage development of hotel contracts and any other vendor contracts as required by IEEE.
- Manage application of IEEE and IAS financial management policies and procedures for ESW.
- Support the ESW Subcommittee as outlined in the ESW Operating Manual.

Facilities and Finance Subcommittee



Accomplishments / activities in 2024:

- Completed financial report for 2024 ESW and submitted for auditing
- Assisted 2024 & 2025 ESW Chair finance, contracts
- Worked with International Subcommittee to develop program for international ESW representatives to attend ESW

Planned for 2025:

- Assist 2025 & 2026 ESW Chair finance, contracts
- Complete 2025 ESW, & submit financial statements to IEEE for Audit
- Start contracting for 2027

Historical and Records Subcommittee

IAS INDIVIDUAL THE ELECTRICAL SAFETY OF THE EL

Chair: Lanny Floyd √

Vice Chair: David Pace

Scope:

 Develop and maintain historical materials and information of the life and evolution of the Committee and the ESW and develop ways to make this information available.

Historical and Records Subcommittee



Accomplishments / activities in 2024:

 Facilitate addition of 2022 Keynote presentation video on the CETRI and ESafeC websites

Planned for 2025:

- 1. Complete item 1 above on ESafeC website as a model for future accessibility of video recordings.
- 2. Contribute to improvement of ESafeC website

Publicity and Media Subcommittee



Chair: Tim Rohrer √

Vice Chair: Name

Scope:

- Manage Committee and ESW website creation and maintenance, social media and press releases
- Support the ESW Subcommittee as outlined in the ESW Operating Manual.

Advisory and Nomination Subcommittee

Chair: Dennis Hill √

Vice Chair: Paul Sullivan

Secretary: Eva Clark

Scope:

- Provide advice and guidance to the Committee and its Subcommittees that includes but is not limited to:
 - Review and propose revisions to the Committee Bylaws and Operating Manual
 - Develop and maintain a succession plan for all leadership positions of the Committee
 - Nominate a candidate for Committee Secretary
 - Recommend appointments for Subcommittee Chair and Vice Chair
 - Recommend Electrical Safety Workshop locations and Chairs
- Select Committee Award recipients



Advisory and Nomination Subcommittee

Accomplishments / activities in 2024:

- Initiate Safety Lecturer Program
- ESafeC Website: ESW 2021 Videos
- Guidance / Recommendations to ESW S/C
 - ESW Operating Manual Updates
 - Dual Tracks / Timing of ESW
- Updated Commercialism Guidelines

Planned for 2025:

- Location for ESW legacy photos (ESafeC/ESW with links)
- Resume September Executive Meeting
- Ad Hoc S/C

A & N Subcommittee & Chair



ESafeC Website

- IAS: ESafeC must drive the website content
- IAS made the ESafeC web pages easier to find within IEEE
- Online ESW 2021 content is posted in IAS Resources Page
- IAS is working on ESW 2022 content
- Online storage for ESW photos: likely Google Drive or similar, with links from ESafeC and/or ESW websites
- ESafeC Subcommittee Webpages

A & N Subcommittee & Chair

ESafeC Subcommittee Webpages

- Occupational Health & Safety
- Construction
- International Development
- Industry Segment Development
- Academic Development
- Early Career Development
- Government, Regulators, Inspectors & Laboratories
- Standards

A & N Subcommittee & Chair



Suggested Webpage Content

- Chair, Vice Chair, Secretary as applicable
- Explanation of the Scope
- FAQ about the S/C scope
- How to get involved
- Upcoming events
- Resources:
 - People
 - Documents, standards

A&N Subcommittee & Chair

Early Career Development - Example

- Chair, Vice Chair, Secretary as applicable
- Explanation of Scope
 - Link to our charter which we are in the process of writing
- FAQ about the S/C scope
 - Electrical Safety FAQ's
- How to get involved
 - Link to ESW site
 - Description of what to expect at the ESW, what each session is and what is appropriate to sign up for
 - Link to the example justification/request to attend the ESW letter.
- Upcoming events
- Resources:
 - People
 - Mentorship section with links to experienced Electrical Safety Professionals from different industries who have volunteered to be available to answer questions from early career professionals.
 - Documents, standards
 - Common handy links that other Electrical Safety Professionals use



Presenters: Publicize and Promote

- Effort by ESW's Social Media: to use short video of several presenters to whet the appetite of the public
 - Lack of engagement of presenters
 - Skeptical of the source(s) developing the videos
- Future: requests for video should come from someone familiar to presenters (i.e. ESW Technical Program Chair)
 - ESW 2026 will target experienced presenters and others may follow
 - Make it as easy as possible (time crunches for presenters)

Business from Executive Subcommittee Meeting



• All ESafeC Committee Members should plan to provide one ScholarOne Review or more per year.

ESW 2025

Zarheer Jooma





March 3 – 7, 2025 Hyatt Regency Riverfront Jacksonville, FL

ESW 2026

Michael Kovacic





March 9 – 13, 2026 Kalahari Resorts & Conventions Round Rock, TX (Austin)

ESW 2027

Eric Campbell





March 22-27, 2027 Location TBD

New Business

• >>>



Next In-Person Meeting Monday March 9, 2026 Kalahari Resort Round Rock, TX USA









ESafeC Subcommittee Meetings Start

1.00 2.00----

(check Eventmobi for Rooms)

1:00-3:00pm	IAS Electrical Safety Committee Annual Meeting (EsafeC)	
	All are welcome – River Terrace 1	
3:00-4:00pm	Government, Regulator, Inspectors & Laboratory Subcommittee - City Terrace 4	
3:00-4:00pm	Early Career Development Subcommittee - City Terrace 5	
3:00-4:00pm	Industry Segment Development Subcommittee – City Terrace 6	
3:00-4:00pm	Technical Program Subcommittee – City Terrace 7	
3:00-4:00pm	International Development Subcommittee – City Terrace 8	
3:00-4:30pm	Construction Subcommittee – River Terrace 1	
4:00-5:00pm	Occupational Safety and Health Subcommittee – City Terrace 4	
4:00-5:00pm	Electrical Utility Subcommittee – City Terrace 5	
4:30-6:00pm	Electrical Safety Workshop Subcommittee – River Terrace 1	

IAC Floatwing Coffety Committee Annual Mosting (EC-f-C)

Motion to Adjourn

- 1st
- 2nd

