



2025 IEEE IAS Electrical Safety Workshop

March 3-7, 2025

Initial Program & Schedule

Check the EventMobi App for Updates & Locations

Sunday March 2

12:00n – 05:00pm ESafeC Executive Subcommittee Meeting (by invitation only)

Monday March 3

IEEE Standards Working Group Meetings:

8:00-9:00am **P1814 Electrical System Design Modifications to Improve Electrical Safety** (Dennis Hill)

8:00-9:30am **Three Risk Assessment Study/working group** (Lloyd Gordon)
(1) Standard for Risk Assessment for Working on Special Electrical Equipment
(2) Standard for Assessing and Reducing Risk When Performing Energized Work on Stationary Batteries
(3) Standard for Assessing and Reducing Risk When Performing Energized Work on Electric Vehicles

9:00-10:00am **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)

10:00-11:00am **1584 Arc Flash Hazard Calculations Working Group** (Daleep Mohla)

10:00-12:00n **P2969 Continuous Thermal Monitoring Working Group**, (Peter Baen)

11:00-12:00n **ESafeC Standards Subcommittee**

11:30-4:30pm **Registration Opens**

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

6:00-8:00pm **SIEMEN'S ELECTRIC Hospitality Suite – Grand Ballroom 1&2**



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Tuesday March 4

8:00am-12:00n	Tutorial 1 - Electrical Safety Management Best Practices: M. Doherty, L. Floyd, R. Graves, N. El-Sherif – River Terrace 1
8:00am-12:00n	Tutorial 2 - How to Knock Your Presentation Out of the Park When You Aren't a Designated Hitter – or Presentation Strategies for the Rest of Us: L. Newman-White - River Terrace 2
8:00am-12:00n	Tutorial 3 - Application of Arc Flash Relays and Arc Quencher Systems in Low-Voltage & Medium Voltage Electrical Systems: C. DeWaal, M. Bukovitz - River Terrace 3
11:00am-1:00pm	Companion Lunch (Invitation Only) – Mathews
12:00-01:00pm	Authors' & Student Luncheon (Invitation Only) – Orlando
12:00-01:00pm	Tutorial 1-3 Attendees & Authors Only Lunch – Conference Center B

ESW 2024 Opening Session

1:00-1:30pm	ESW2025-01: Workshop Introduction; Zarheer Jooma
1:30-2:15pm	ESW2025-02: Switching on the Presence of Safety; Don Martin
2:15-3:00pm	ESW2025-03: Competing Design Goals vs Codes and Standards; Managing Electrical Hazards - N. El-Sherif, T. Domitrovich
3:00-3:30pm	Refreshment Break: Ballroom Foyer
3:30-3:45pm	ESW2025-04: Use of Personal Voltage Detectors to Protect Electrical Contractors: A Case Study; T. Keeney, C. Macdonald
3:45-4:30pm	ESW2025-05: Special Treatment - Temporary Power in Construction; J. McManigal
4:30-4:45pm	ESW2025-06: Student Focus Introduction; Payman Dehghanian

4:45- 7:00pm Student Poster Session – Ballroom Foyer

- **Development of an Automated DC Arc Generation and Data Acquisition System;** T. Dille
- **Arc Modeling for Transient Arc Flash Risk Assessment in DC Traction Systems;** O. Couillard
- **Low-Cost Software Tool for Arc Flash Protection Training Incorporating IEEE 1584.1 Standard;** J. Sebastian, M. Sterling
- **Electrical Safety in Industrial Environment;** V. Decharwar
- **Prescribed Burning for Enhancing Electrical Safety and Resilience of Power Grids in Wildfire-Prone Areas;** N. Ahmed
- **Electrical Safety Curriculum in Uganda;** A. Rurangwa

5:00-6:00pm **First Time ESW Attendee Reception** – Ballroom Foyer

6:00-8:00pm **Welcome Reception** – Ballroom Foyer

8:00-10:00pm **EATON Hospitality Suite** – River Terrace 1

8:00-10:00pm **ROXTEC Hospitality Suite** – Grand Ballroom 3



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Wednesday March 5

7:00-8:00am	Workshop Breakfast: Ballroom Foyer Authors' Breakfast, Boardroom 1 (by invitation)
7:45-8:00am	Early Bird Drawing
8:00-8:45am	ESW2025-07: Implementation of an Electrical Safety Authority at a Global Testing, Inspection and Certification (TIC) Organization; P. Brazis, J. Waters, L. Peterson
8:45-9:00am	ESW2025-08: "Avoid Contact" – The Shock Boundary without a Distance; G. Cole
9:00-9:45am	ESW2025-09: Transient DC Arc-Flash Incident Energy Calculations for DC Distribution Systems; A. Marroquin, C. Carne, W. Brown, T. Landry
9:45-10:00am	Refreshment Break: Ballroom Foyer
10:00-10:45am	ESW2025-10: Lithium-Ion Propulsion Battery Occupational Safety – D. Thakur, S. Lubaczewski, T. Hoxie, W. Casebolt
10:45-11:00am	ESW2025-11: Management of Electrical Installations after Floods: Improvements and Safety Practices; D. Ferreira de Souza, H. Sueta, W. Martins Jr, C. Raduns, E. Martinho
11:00-11:45am	ESW2025-12: Best Practice for Contractor Evaluation: Failure to Plan is a Plan to Fail; R. Grave, J. Martin
11:45-12:00n	ESW2025-13: Is the Relay Programmed?; T. Becker
12:00-1:00pm	Lunch; Ballroom Foyer
1:00-1:45pm	ESW2025-14: How Artificial Intelligence Can Help Improve Arc Flash Predictive Models; S. Giard-Leroux, G. Pagello, N. Raymond, M Vallieres
1:45-2:00pm	ESW2025-15: Advancing the Electrical Safety Culture to the Commercial and Residential Worker; E. Wisner
02:00-02:45pm	ESW2025-16: Overlooked Dangers - Addressing Electrical Safety for Non-Electrical Workers; C. Winger
02:45-02:50pm	ESW2025-17: Expo Introduction; K. Warren
03:00-6:00pm	Product and Services Expo and Social – Ballroom 5-8

Thursday March 6

7:00-8:00am	Breakfast: Ballroom Foyer Authors' Breakfast, Boardroom 1 (by invitation)
7:45-8:00am	Early Bird Drawing
8:00-8:45am	ESW2025-18: Practical Battery Arc-Flash Models; D. Rosewater, L. Gordon, W. Cantor
8:45-9:00am	ESW2025-19: Workplace Electrical Fatalities 2011-2023; D. Majano
9:00-9:45am	ESW2025-20: Best Practices for Implementation of Temporary Protective Grounding on Electrical Systems; E. Ramirez-Bettoni, M. Eblen, B. Nemeth



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9:45-10:00am	ESW2025-21: Inadequate Engineering Controls Can Expose Workers to Hazards ; D. Mertz
10:00-10:15am	Refreshment Break – Ballroom Foyer
10:15-11:00am	ESW2025-22: NFPA 70E 2027 Proposed Changes First Draft ; P. Dobrowsky
11:00-11:15am	ESW2025-23: Lightning Safety Advocacy Programs ; H. Sueta, D. Ferreira de Souza, R. Zilles, M. Cooper
11:15-12:00n	ESW2025-24: Awards and Recognition ; D. Durocher, S. Seaver
12:00-1:00pm	Lunch – Ballroom Foyer
1:00-01:45pm	ESW2025-25: Do You Know Who You Are Working For? ; J. Presnal, K. Drake-Loy
1:45-2:00pm	ESW2025-26: Medium Voltage Motor Starter Meltdown Incident ; R. Neph, T. Malone
2:00-2:45pm	ESW2025-27: It's Time to Move the Needle in Electrical Safety ; L. Floyd
2:45-3:15pm	Break – Ballroom Foyer
3:15-4:00pm	ESW2025-28: Have We Solved the Arc Flash Problem? ; M. Kovacic, K. Cunningham
4:00-4:45pm	ESW2025-29: Artificial Intelligence in Electrical Safety: Now and The Future ; J. Prigmore, Z. Jooma
4:45-5:00pm	ESW2025-30: Focus Session Introduction ; E. Clark
5:00 – 6:30pm	Focus Session Presentations - Ballroom Foyer
	<ul style="list-style-type: none"> • ESW2025-37: An AI Integrated Robotic System for Safe Operation in High Voltage Distribution Panel; C. Kim, S. Choi, S. Park, M. Lee, H. Lee, D. Jeon • ESW2025-38: Crime and Punishment... And Electricity – A Study on Court Cases in Finland Involving Electrical Safety in 2013–2023; V. Linja-aho • ESW2025-39: Using AI and VR for Electrical Safety Training; R. Nolter, M. Doherty • ESW2025-40: How To Be the Employee in Charge (EIC) for a High Voltage Task; J. Rachford • ESW2025-41: Investigation of the Quality of Electrical Installations in Commercial Properties in Brazil; D. Ferreira de Souza, W. Martins, E. Martinho, L. Morita
5:30-7:30pm	Networking Social – Ballroom Foyer

Friday March 7

0:00-0:00am	Breakfast ; Ballroom Foyer 4-8 Authors' Breakfast, Boardroom 1 (by invitation)
8:00-8:15am	Early Bird Drawing
8:15-8:30am	ESW2025-31: Induced energy on Communication Cable ; D. Thomas, T. Roberts
8:30-9:15am	ESW2025-32: Practical Application of the Energized Electrical Work Permit Process ; D. Pace
9:15-10:00am	ESW2025-33: A Comparison of Fabric Arc Ratings and the Performance of Arc-Rated Clothing Exposed to Arc Flash Generated Using AC and DC Energy Sources ; B. Shiels, S. Margolin, J. Cliver, C. Maurice, M. Calixto, C. Martin, D. Statham, R. Hines
10:00-10:15am	Refreshment Break – Ballroom Foyer



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10:15-11:00am	ESW2025-34: Electrical Vehicles and Li-ion Battery Manufacturing – What are the actual risks for workers? ; M. Brosseau
11:00-11:45am	ESW2025-35: Safety Culture or Compliance? ; K. Cunningham, M. Kovacic
11:45-12:00n	ESW2025-36: Workshop Wrap-up ; Z. Jooma
12:00 Noon	ESW Adjourns
12:00-1:00pm	Tutorial 4-6: Attendees Only Lunch ; Grand 5
1:00-5:00pm	Tutorial 4: Hazard Identification: Improving Predictive Processing ; W. Martin
1:00-5:00pm	Tutorial 5: Designing Electrical Safety Programs to Protect All – Electrical & Non-Electrical Workers ; C. Wininger
1:00-5:00pm	Tutorial 6: Catastrophic Electrical Failure – Now What? A Guide to Incident Response, Failure Analysis and Potential Legal Proceedings ; J. Prigmore, Z. Jooma