International Events Calendar

Compiled by Harry Orton

Reminder: The information below is current as of September 2026. Please refer to the respective website for up-to-date conference information. Be very careful when searching the Internet for conferences and symposia as there are fraudulent websites advertising predatory conferences with very similar names. Their sole purpose is to collect papers and registration fees.

2026

ICHVE (International Conference on High Voltage Engineering and Application)
20-25 September, Sao Paulo, Brazil
www.ichve2026.com.br

CIRED 2026 Seoul Workshop
2-3 November, Seoul, South Korea
https://www.cired2026seoul.org

2027

Hannover Fair
5-7 April, Hannover, Germany
www.hannovermesse.de/en

CIGRE Symposium
27-30 April, Heidelberg, Germany
www.cigresymposium2027.de

Interwire 2027
4-6 May, Georgia World Congress Center, Atlanta, GA
www.interwire27.com

CIRED 2027 Conference and Exposition
14-17 June, Stockholm, Sweden
https://2027.cired.net

ICPADM (International Conference on the Properties and Application of Dielectric Materials)
2-5 August, Prama Sanur Beach Hotel, Bali, Indonesia
www.icpadm2027.org

ISH (International Symposium on High Voltage Engineering)
29 August – 3 September, Thessaloniki, Greece
https://ish2027.gr

Jicable 2027/CIGRE SC B1
5-9 September, Lyon, France
www.jicable.org

CEIDP (Conference on Electrical Insulation and Dielectric Phenomena)
19-22 September, Rogers Centre, Ottawa, ON, Canada
https://ceidp.org/

IEEE Rural Electric Power Conference
19-21 October, Louisville, Kentucky
www.ieeerepc.org

CIGRE International Symposium
8-12 November, Queen Sirikit National Convention Center, Bangkok, Thailand
www.cigre-thailand.com

Upcoming ICC Events

25-28 October 2026,
JW Marriott Turnberry, Aventura, FL

25-28 April 2027,
Hilton Boston Park Plaza, Boston MA

24-27 October 2027,
The Peabody Memphis, Memphis, TN

7-10 May 2028,
The Grand Hyatt Indian Wells Resort (near Palm Springs), CA

An Overview of the Chuting 500 kV Underground Cable Project in Guangzhou, China

By Luping Shan and Tao Xu, China Southern Power Grid

China Southern Power Grid's Chuting 500 kV Underground Cable Project, commissioned in May 2023, marks a major milestone in the region's transition from overhead transmission lines to high-capacity underground systems. As the longest single-route and highest-capacity 500 kV onshore XLPE cable installation in China, the project showcases significant advancements in extra-high-voltage (EHV) cable technology and large-scale urban infrastructure development.

The cable route traverses both dense metropolitan districts and environmentally sensitive scenic areas, requiring careful planning and innovative engineering solutions. A shield-tunneling machine capable of tight-radius curved boring was deployed to navigate complex underground conditions, supported by a frozen-cutterhead method that enabled safe open-chamber cutter replacement.

To manage the installation of long continuous cable sections, the project team implemented a coordinated cable-laying system that synchronized motorized pay-off units, cable conveyors, and pulling winches. Commissioning of the 500 kV XLPE circuit was performed using a high-capacity variable-frequency AC withstand-voltage test system, ensuring reliable performance under demanding operating conditions. In addition, a digital-twin framework was established and implemented, providing comprehensive condition-assessment capabilities for both the tunnel infrastructure and the cable equipment.

Standards Corner

By Kathryn Klement, ICC Standards Coordinator

Since the Spring 2026 meeting, the IEEE SA Standards Board has approved one revised ICC standard:

- IEEE 1428 *Guide for Installation Methods for Fiber-Optic Cables in Power Generating Stations and in Industrial Facilities* – WG D06W Chaired by Larry Cunningham

Congratulations to ***Working Group D06*** *for reaching this milestone.*

To get involved in ongoing standards, you can attend any working group meeting at the next ICC or reach out to the Subcommittee chair for more information.

In 2025, the IEEE Power & Energy Society Strategic and Emerging Technologies Standards Committee (SETCom) was created to oversee standards projects that are within the scope of PES but not sufficiently covered by any existing committee. The standards coordinators of all existing PES Technical Committees are voting members of this new committee. SETCom has 3 active projects:

- P4105 - *Guide for Risk Evaluation and Preparedness Planning for Electric Distribution Systems under Tropical Storm Conditions with Sustained Winds up to 117 km/h*
- P4200 - *Standard for Electric Transmission and Distribution System Interconnection Functional, Performance, and Interoperability Requirements for Data Centers*
- P2933.3 - *Recommended Practice for Smart Energy Systems Data and Device Interoperability Incorporating TIPPSS - Trust, Identity, Privacy, Protection, Safety and Security*

For more information or to get involved in these projects, you can visit the SETCom website at *https://cmte.ieee.org/pes-setcom/* or contact Kathryn Klement.

Tell Us What You Think!

ICC welcomes your feedback. If you'd like to suggest topics for upcoming issues of the ICC Newsletter or add a colleague to our email database, please contact Yingli Wen at y.wen@ieee.org.

Fall 2026, Volume 16, Issue 2

ICC Newsletter

Act now! Special offer to first-time utility attendees to the ICC Fall meeting – ten complimentary registrations! Please contact wltaylor10@gmail.com.

From the ICC Chair

Mike Mueller

Hello everyone, it was great to see many of you at the 2026 Spring ICC Meeting in Carlsbad, California. We had great weather, excellent content, and a huge turnout. We set a record with 596 registrants and 48 tabletop mini-exhibits. In addition, we had 159, 172, and 72 people registered for the Networking, Transnational, and Education Lunches, respectively. I am very impressed by the number of participants!

Many members contribute to the ICC, and it would not be successful without their dedication and support. Specifically, I want to recognize the Chairs and Vice Chairs of all Subcommittees as well as Breakout Groups – both Working Groups and Discussion Groups (WG/DG). These individuals put in a tremendous effort. There are approximately twenty-five active AdCom members and fifty WG/DG chairs who play an integral role in organizing their subcommittee sessions and technical breakout meetings. Thank you so much for your ongoing support. We deeply appreciate your sustained commitment to the goals of the ICC.

I hope everyone had a wonderful summer and was able to spend some time enjoying themselves with family and friends. Looking ahead, the 2026 Fall meeting in Aventura, Florida, is fast approaching. Based on preliminary feedback and interest in the meeting, I would not be surprised if we surpassed the record attendance seen last Spring. The energy sector has been experiencing strong growth across multiple technologies. For instance, the development, engineering, and construction of artificial intelligence (AI) data centers continue to challenge the North American electrical grid, so, it is no surprise that we are seeing more interest in IEEE Technical Committees such as the ICC. Major ICC contributors include material and equipment suppliers, consultants, research and testing companies, and major utilities and operators of insulated conductor systems – along with numerous retired professionals who continue to attend and influence guides and standards with their vast expertise.

Moving toward the future, our Webmasters are actively working on the new ICC website, and we will provide updates to the ICC mailing list when it is available for use. In addition, the meeting venues for 2027 and 2028 have been secured, and IEEE has final contracts in place for those events. Please check the current website for the dates and locations of future meetings.

And last, please keep your fingers crossed for some nice Florida weather in October, and hope for a safe and smooth hurricane season. See y'all soon!

Best,

Mike Mueller
ICC Chair (2026-2027)

FALL 2026 ICC EDUCATION SESSION

Transmission and Distribution Cable System Standards – Importance, Practical Use and Recent Updates

The Fall 2026 Education Session will focus on T&D cable system standards, covering accessories, cables, installation, commissioning, and asset management. Local and international standards are essential to ensure cable quality, defining proper installation methods, regulating commissioning tests, and guiding effective asset management. Industry experts and chairs from AEIC, IEEE, and CIGRE committees and working groups will share updates on recent developments, resolved issues, and emerging challenges. Featured presentations include IEEE-1300, AEIC CS8 and CS9, IEEE-404 and IEEE-48, and CIGRE TB924. We will continue the standards discussion in Spring 2027 with additional key standards and guides. In the interactive Q&A, panellists will address your specific questions. We welcome your input—please share suggestions for future topics on the back of your evaluation form.

ICC Newsletter Team Yingli Wen, ICC Newsletter Editor • Rachel Mosier, Associate Editor • Harry Orton, Associate Editor 2026

A Conversation with Rachel Mosier

ICC's First Woman Chair Reflects on Leadership, Legacy, and the Future of Underground Transmission Systems

Rachel Mosier's career spans more than 25 years of technical leadership, groundbreaking project work, and dedicated service to the power cable industry. As the first woman to serve as Chair of the IEEE PES Insulated Conductors Committee (ICC), she holds a unique place in ICC history – having first served as Acting Chair before beginning her full term - not only for breaking barriers, but for strengthening the committee's technical foundation and collaborative spirit. In this special feature, Rachel reflects on her journey, her time as ICC Chair, and her perspectives on the challenges and opportunities ahead for underground transmission systems.

Editor: *What first drew you into underground transmission cable systems, and how did your early career experiences shape your technical direction?*
RM: It seems several things lined up in my life setting everything in motion and leading me to underground transmission cable systems: an electrician father, a lineman uncle, technical high school leading to electronics, an encouraging mother, and a chance interview with the local utility – plus an IT co-worker who urged me to apply for a role in Underground Standards. Once there, I found I loved the mix of practical field problems and detailed engineering. Along the way, a few great mentors encouraged me to stretch and grow. Life led me here, and I'm grateful.

Editor: *You worked on several major transmission cable projects, including the first 345 kV and 500 kV extruded cable systems in the Western Hemisphere. What stands out most from those experiences?*
RM: On a first-of-its-kind project, you learn very quickly how important it is to ask questions and rely on the expertise of the whole team. But also, every project is a chance to learn something new in unexpected ways. I learn not only about the intricacies of underground cable systems, but about all of the other disciplines that are so important – geology, civil engineering, wildlife, law, protection & controls, scheduling, permitting, outreach... there is so much involved, and each piece is just as important as cable engineering.

Editor: *In 2008, you became the first woman to serve as ICC Chair. What did that milestone mean to you personally and professionally?*
RM: Just as my early career was shaped with guidance from mentors who nudged me out of my comfort zone, being asked to Chair the ICC was such an honor. At the time, I don't think I fully appreciated the significance of being the first woman to serve as Chair. I was mostly focused on doing a good job! But looking back, I'm very proud of it.

Editor: *What accomplishments or initiatives from your tenure as ICC Chair are you most proud of?*
RM: The ICC is a great organization, and I never intended to make any major changes. My goal was simply to listen and help the Administrative Committee (AdCom) do what it did best with as little friction as possible. Still, I think some remember me as the Chair who started having ice cream for the Education Session — nothing makes me happier than seeing a bunch of engineers excited about ice cream like they were kids again. And while Thomas Arnold deserves the credit for implementing it, I'm pleased we began taking credit cards during my tenure. I also updated the agenda to be more newcomer friendly by rearranging the layout and adding "one-liners" to help attendees more easily navigate to Working/Discussion Group meetings.

Editor: *What were the most significant challenges you faced as Chair, and how did you navigate them?*
RM: The biggest challenge I faced as Chair was limited hours in the day. Coordinating what turned out to be seven events about the size of a wedding — complete with activities — while also working my day job was difficult. But AdCom and my company were both very supportive. I was never an island, and it reinforced how important it is to ask for help and trust the people around you.

Editor: *You've contributed extensively to IEEE, CIGRE, AEIC, and EPRI. How do you see the role of standards evolving in the next decade?*
RM: Standards are so important to help future generations learn the lessons from past generations. It was the case when I was starting out, and I have no doubt this will continue. But it's important that everyone contribute and participate. I am a firm believer that an end-product will be better when a well-functioning team is involved. Working together, we make better decisions than working alone. Technologies and applications change quickly, so participation becomes even more important because standards need the benefit of many different experiences.

Editor: *As the first woman ICC Chair, what advice would you give to women entering the power and energy sector today?*
RM: Believe in yourself and dream big, then take steps (no matter how small) to make it happen. With persistence, it will. I feel like my path was formed mostly by luck, but we sometimes make our own luck happen. That's true for everyone. After all, in the end, we're all engineers.

Editor: *What emerging issues in cable materials, diagnostics, or system design deserve more industry attention?*
RM: With data centers now in our midst, including increased loading, constrained corridors, thermal performance, etc., I think we need to focus on high-temperature materials – both cables and accessories, working together as a system.

Editor: *What do you see as the biggest challenges for underground transmission systems in the next 10 to 20 years?*
RM: As I see it, our biggest challenge is installing new underground circuits in areas that are already congested. While big cities have had underground cable systems for a century, the newer extruded cable systems take more real estate than the older pipe-type cable systems. And when we install fluidized backfill over concrete encased duct banks, we're essentially creating an underground wall that will need to be traversed in the future. The same goes for submarine cables travelling down long rivers. If the first submarine cable zigs and zags to avoid obstacles, it becomes challenging for the next cable, which must cross that original zigzagging route. We need to think not only about how to fit the project we're building today, but also about what someone may need to install decades from now.

Editor: *What message would you like to share with current ICC members and volunteers?*
RM: Everyone's participation is most welcome! It makes for a richer experience for both the person sharing and those in the audience. Without people volunteering to participate and to share their experiences, there literally would be no meeting. So, if you're sitting in the audience wondering whether your experience is worth sharing, know that it is.

Closing Remarks: Rachel's career exemplifies the blend of technical excellence, mentorship, and service that defines the ICC community. Her message to ICC members is simple and powerful: your participation matters. We thank Rachel for her leadership, her continued engagement, and her willingness to share her story with our members. Her reflections will inspire both seasoned professionals and the next generation of engineers who look to ICC as a place to learn, contribute, and grow.

Insulated Conductors Committee (ICC) Awards

By Lauri Hiivala, ICC Awards Vice-Chair

The strength of ICC comes from the broad expertise and collective technical knowledge of its many dedicated volunteer members. A core part of ICC is recognizing and celebrating those contributions.

ICC Certificates of Appreciation

At each ICC meeting, Certificates of Appreciation are presented for the best presentation at Subcommittee, Working Group, Discussion Group or Educational Program meetings.

Recipient	Citation
Mike Smalley	for Best Presentation at the Fall 2025 Subcommittee A Meeting. *AEIC CG17 – Guide for Resolving Cable Non-Compliances Found Post Production*
Rocky Koehler Jr.	for Best Presentation at the Fall 2025 Subcommittee B Meeting. *HPFF Reconductoring with LPP*
Polyxeni Karavida	for Best Presentation at the Fall 2025 Subcommittee C Meeting. *Thermal Performance Evaluation of MVAC Cables in Trough Installations: Sealed vs. Naturally Ventilated Alternatives in Greece*
Phil Laudicina	for Best Presentation at the Fall 2025 Subcommittee D Meeting. *National Electrical Code Wire Types – Some Basics*
Sarajit Banerjee	for Best Presentation at the Fall 2025 Subcommittee F Meeting. *MV Cable System High Frequency Attenuation*
Jody Levine	for Best Presentation at the Fall 2025 Subcommittee F Meeting. *PD Tutorial: RF Pulse Propagation / Injection / Detection*
Daniel Müller-Bode	for Best Presentation at the Spring 2025 Subcommittee F Meeting. *On-Site test voltages in the field – comparative measurements on real PD failures in MV and HV cable networks*
Rudy Bukovnik	for Best Presentation at the Fall 2025 Educational Program. *Shelf-Life Prediction of Cold Shrink Cable Accessories*

IEEE PES Technical Committee Certificates of Appreciation

Certificates of Appreciation are presented to all outgoing Subcommittee, Working Group and Discussion Group Chairs and Vice Chairs, or upon publication of their IEEE standard or guide.

Recipient	Citation
Bert Spear	for Services Rendered as Chair of Insulated Conductors Committee, Spring 2024 – Fall 2025
Forest Rong	for Services Rendered as Vice Chair of Subcommittee C: Cable Systems, Spring 2022 – Fall 2025
Edward R. Gulski	for Services Rendered as Chair of Subcommittee G: Transnational, Spring 2018 – Fall 2025
Kai Zhou	for Services Rendered as Vice Chair of Educational Session, Fall 2022 – Fall 2025
Tina Carson	for Services Rendered as Assistant Webmaster, Fall 2015 – Fall 2025

2026 Technical Committee Distinguished Service Award

Each Technical Committee is encouraged to select one individual for this award in recognition of outstanding service. This personal recognition acknowledges the efforts of an individual whose sustained performance, over many years, has contributed to the advancement of the committee technology.

Martin von Herrmann received the 2026 Technical Committee Distinguished Service Award with the following citation: For 17 years of dedicated leadership as ICC webmaster, sustaining reliable online resources that significantly advanced committee communication and collaboration.