

CIGRE NEWSLETTER

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THANK YOU TO OUR GOTF SPONSORS**



PRESIDENT'S CORNER

BY: CHRIS ROOT
CIGRE USNC President

It is with some sadness that I wish you a Happy Holiday season, as it will be my last newsletter as President. The past five years have been rewarding, exciting and full of great memories. I am thankful for the opportunity to serve in this role and look forward to the next era of leadership as Matt Gardner of Dominion Energy assumes the President position in January.

The state of the USNC is very good. The 2025 Grid of the Future Symposium, held in November in Denver, was a great success! More than 300 participants attended, over 90 technical papers were presented, and we featured four outstanding panels along with two executive keynotes. For the first time, the panel sessions and keynote addresses were recorded and are now available to view on the [2025 Archive page](#) of the Grid of the Future event website. This page is password protected. Please use the following login information to gain access to this page:

Username: USNC
Password: GOTF2025

The login information is case sensitive. Please enter the above information as it appears.



PRESIDENT'S CORNER

POWER Engineers, member of WSP, was a wonderful host and sponsored an excellent reception at the Denver Aquarium [yes, there is one in Denver]. A special thanks to the 23 sponsoring companies for this event! Without them, this event would not have been possible. They are recognized on [page 14](#) of this newsletter.

Next year the **2026 Grid of the Future Symposium** will take place **October 26-29** in **Richmond, Virginia**, with **Dominion Energy** as the host company!

As USNC officers rotate off and new members step in, I want to thank each of them for their dedication, guidance and hard work. First of all, John McDonald, our VP of Technical Activities, is retiring after 17 years of remarkable service. His contributions have been monumental, and he's been a dedicated leader throughout his successful tenure. John Paserba will succeed him, and the Technical Activities area will undergo a reorganization of responsibilities.

Elizabeth LaRose, our VP of Awards and Recognition, has significantly improved our awards program and processes. We really appreciate her expertise and commitment. She will be succeeded by Shay Bahramirad. As a reminder, the new "Distinguished Industry Leader Award" will be presented for the first time in 2026, with Damir Novosel serving as the committee chair.

Finally, 2026 brings the CIGRE Paris Session in August. The US has achieved its highest number of accepted papers ever, and the 2026 Paris Session is expecting record attendance! The **US Reception** – still the highlight at the Paris Session – will take place on **Monday night, August 24**. We are still looking for sponsors for this "can't miss" event on Monday Night. Contact [Sharon Loe](#) for more information.

I am very proud of what we have accomplished over the past five years. We survived COVID, grew from 50 to more than 70 Collective Members, added many Universities, and increased individual membership. We have consistently welcomed over 300 attendees to our annual Grid of the Future Symposiums and strongly supported the Women in Energy and Next Generation Network organizations. Our mission is to support the industry's engineers with practical, timely, and important best practices and knowledge.



PRESIDENT'S CORNER

As you appointed me at the last annual meeting, I plan to represent the USNC at the CIGRE Administrative Council and CIGRE Steering Committee starting in August when Mike Heyeck, who is term limited as CIGRE VP Finance, moves to his role as CIGRE Endowment President.

I appreciate all the help I have received from so many of you. We are blessed with the best staff at Texas A&M University in Sharon Loe, Shelby Bruffett and Jessica Meadors. We are truly lucky to have these wonderful and hardworking administrators.

Thank you for a great run and I will see you in Paris! Wishing you and your families a Happy Holiday season!

Chris Root
CIGRE USNC President

TIME TO RENEW 2026 CIGRE MEMBERSHIP!

CLICK HERE TO RENEW AND PAY YOUR DUES



AROUND THE SYMPOSIUM





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TECHNICAL ACTIVITIES UPDATE

BY: JOHN MCDONALD
CIGRE USNC VP Technical Activities

2025 Highlights To Date

1. 2026 Paris Session

- 147 synopses submitted to Paris
 - 119 synopses accepted for 2026 - full papers due **January 12, 2026** to USNC
- August 25 - most comprehensive overview of technical activities for each of the 16 Study Committees

2. 2025 GOTF Symposium

- 92 papers accepted out of the 95 papers submitted

3. 41 new CIGRE WGs so far in 2025

Many US Subject Matter Experts Nominated

- [List of CIGRE Active WGs](#)

CIGRE Publications:

- Reference Papers
- ELECTRA (bimonthly digital magazine)
- CIGRE Science & Engineering Journal (CSE) (published three times per year)
- Green Books (listed below)
- Papers and Proceedings
- Technical Brochures (*most recent listed on [page 12.](#)*)
- eCIGRE (home to CIGRE's resource of 12,000+ technical publications)



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TECHNICAL ACTIVITIES UPDATE

BY: JOHN MCDONALD
CIGRE USNC VP Technical Activities

CIGRE Green Books:

- SC A2 Transformer and Reactor Procurement
- SC A3 Switching Equipment
- SC B1 Accessories for HV and EHV Extruded Cables – Volume 1: Components
- SC B1 Accessories for HV and EHV Extruded Cables – Volume 2: Land and Submarine AC/DC Applications
- SC B2 Overhead Lines
- SC B2 Compact Overhead Line Design
- SC B2 Techniques for Protecting Overhead Lines in Winter Conditions
- SC B2 Modelling of Vibrations of Overhead Lines Conductors
- SC B3 Substations
- SC B4 Flexible AC Transmission Systems
- SC B5 IEC 61850 Principles and Applications to Electric Power Systems
- SC C1 Power System Assets – Investment, Management, Methods and Practices
- SC C4 Power System Dynamic Modelling and Analysis in Evolving Networks
- SC D2 Utility Communication Networks and Services
- All SCs Electricity Supply Systems of the Future
- All SCs Handbook of Power Systems

Green Books are CIGRE's flagship reference publications. CIGRE members receive a 40% discount.

BY: LOGAN ROLLES

CIGRE USNC Next Generation Network Chair

It's hard to believe that 2025 is coming to a close!

The US Next Generation Network had a packed 2025 filled with knowledge sharing, learning, and networking.

We were thrilled to see five outstanding presentations at the 2025 Grid of the Future Symposium for the NGN Paper Competition. Congratulations to this year's winner, Ruoyan Fan from Stony Brook University, for her paper and presentation on *"A Room-Temperature Quantum Secure ROCOF for Power Grid Reliability."*



A big thank you to everyone who participated in this year's competition! If you're interested in joining the 2026 NGN Paper Competition, stay tuned! Updates on synopsis submission deadlines will be coming in the months ahead.

We also hosted events at the 2025 Grid of the Future Symposium, including a sold-out tutorial on Wildfire Preparation and Mitigation, an engaging breakfast discussion with Diane Watkins, Vice President of Engineering at United Power, and wrapped up the week with the annual Next Generation Network Dinner with an evening filled with networking and great career advice from Mehana Ho'opi'i, Senior Manager of Engineering Design & Outsourcing at Xcel Energy.



NEXT GENERATION NETWORK (NGN) CORNER

BY: LOGAN ROLLES

CIGRE USNC Next Generation Network Chair



In early 2026, we'll be connecting with interested CIGRE members on ways to get involved with the NGN Executive Committee. Please click the button below, or contact me at LRolles@burnsmcd.com with any questions!

[NGN Interest Form](#)

Happy Holidays,

Logan Rolles

CIGRE US Next Generation Network Chair



WOMEN IN ENERGY (WiE) CORNER

BY: KATE GRAVES

CIGRE USNC Women in Energy Committee Member

Celebrating Women in Energy at the 2025 CIGRE Grid of the Future Symposium

This year's CIGRE USNC Grid of the Future Symposium shone a spotlight on the impactful contributions of women across the power and energy sector. The Women in Energy (WiE) group hosted a series of engaging events designed to inspire, connect, and elevate professionals at every stage of their careers.

Inspiring Conversations and Leadership Insights

The symposium began with the WiE Breakfast, featuring keynote speaker, Jackie Becker, Vice President of Transmission Engineering & Construction at Ameren. Jackie shared thoughtful perspectives on leadership and the evolution of the energy landscape, setting an inspiring tone for the days ahead.



Building Networks Through Mentorship

WiE also introduced its inaugural "Mentor Speed Networking" session spearheaded by Shandi Ezraseneh of ConEd and US WiE Vice-Chair of Events, which provided participants with a structured and energizing way to build connections, exchange knowledge, and strengthen mentorship pathways within the industry.



Expert Panel: The Evolution of Large Load Interconnection

A highlight of the program was the dynamic WiE panel, “Evolution of Large Load Interconnection.” Moderated by Katherine Bravin, of MPR Associates, Inc. and current WiE U.S. Chair, the discussion featured industry experts Rekha Sharma [GE Vernova Consulting Services], Rozhin Eskandarpour, Ph.D. [Resilient Entanglement, Inc.], and Mallory Mannoni, PE [1898 & Co. and current WiE U.S. Vice Chair of Membership]. Together, they explored emerging challenges, innovations, and the collaborative mindset required to support the grid of the future.





WOMEN IN ENERGY (WiE) CORNER

BY: KATE GRAVES

CIGRE USNC Women in Energy Committee Member

Collaboration Across Generations

Throughout the symposium, WiE partnered with the CIGRE Next Generation Network [NGN] to host a shared booth—creating a welcoming space for attendees to connect, learn about WiE initiatives, and highlight the importance of cross-generational engagement in shaping the future of the energy sector.

Appreciation and Looking Ahead

WiE extends sincere gratitude to all speakers and participants whose insights and enthusiasm contributed to a memorable and meaningful week. A special thank you to David Roop and Mitsubishi Electric Power Products, Inc. [MEPPI] for sponsoring the WiE Breakfast and continuing to support professional development across the power community.

As we look ahead to next year's symposium in Richmond, VA, we are excited to continue the conversation, collaboration, and celebration of women's leadership in energy.

Stay tuned for upcoming 2026 connection opportunities!

Beyond 2025, WiE is already planning additional opportunities for engagement, mentorship, and professional connection in 2026. Stay tuned for upcoming announcements as we expand our programming and continue building a strong, supportive network for women across the energy sector.

Interested in joining the WiE community?

Complete our interest survey on the USNC WiE page:

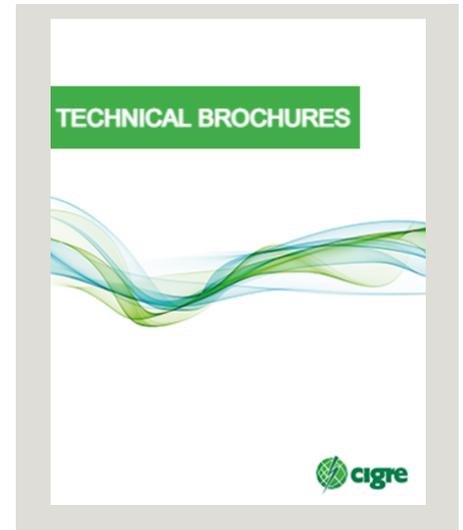
[WiE Interest Form](#)

PUBLICATIONS

The latest Technical Brochures are now available on e-cigre:

- **TB 972:** The Impact of Offshore Wind Power Hybrid AC/DC Connections on System Operations and System Design
- **TB 971:** Transformer Efficiency
- **TB 970:** The Potential Roles of Energy Storage in Power Systems

There are over 940 technical brochures available on e-cigre.org at no charge for CIGRE members. Nearly 40 are added every year.



[READ ON eCIGRE](#)

ELECTRA CIGRE's Digital Magazine

ELECTRA December 2025

Featured in this edition:

GLOBAL CONNECTIONS

- Unity 3.0 - Part 5: The Circular Economy of the Universe

LIFE OF THE ASSOCIATION

- NGNs in Action: CIGRE 2025 International Symposium in Montréal

GLOBAL LEADERSHIP PERSPECTIVES

- Execution and Performance: Delivering on Promises in Workflow

TECHNOLOGY E2E

- "Role and Requirements for Large, Inverter Based Loads" Task Force



[READ MORE](#)

WELCOME TO CIGRE!

Werner Abt • Khaled Alzubi • Soujanya Reddy Annapareddy • Cyril Anthony
Adam Caballero • David Baker • Andres Carvallo • Maximilian Charbonneau
Jeong Ho Choi • Grant DeRose • Kevin Dunn • Tyler Gaerke • Cliff Gyamfi • Tim Hansen
Marguerite Holmberg • Mahesh Illindala • Srinidhi Iyengar • Bohyeon Kang
Zachary Kirsch • Matt Kitchen • Gary Kobet • Charalambos Konstantinou
Ramaprasad Lakshminarayana • Micaele Laurindo dos Santos • Makena Leonard
Syndi Luong • Rasel Mahmud • Jonathan McMahan • Francis Mills • Jason Mills
Aref Moradkhani • David Palchak • Mark Pfeifer • Reza Pourramezan • Ricardo Puig
Chad Reyburn • Matt Sadinsky • Dan Smith • Scott Smith • Brian Snyder
Connor Spencer • Skyler Street • Marlon Subtil Pazinato • Tongyue Sun
Daisuke Terazono • Alex Thompson • Paul Vladuchick • Andrew Wajda • Qichen Yang

COLLECTIVE MEMBERS:

AECOM • American Electric Power [AEP] • American Transmission Company [ATC] • Ampacimon, Inc. • Avangrid Service Company
Black & Veatch • Bonneville Power Administration • Burns & McDonnell • Commonwealth Associates, Inc. • Commonwealth Edison
ConEdison • Criticality Sciences, Inc. • CTC Global Corporation • Doble Engineering • Dominion Energy • Duke Energy
Electric Power Engineers • Electric Power Research Institution [EPRI] • Electric Reliability Council of Texas [ERCOT] • Epsilon Americas
Eversource Energy • Florida Power & Light • GE Vernova • G&W Electric • HICO America Sales & Technology, Inc. • Hitachi Energy
ISO New England Inc. • ITC • LCRA Transmission Services Corporation • Lindsey Systems • LineVision Inc. • LUMA Energy
MidContinent ISO • Mitsubishi Electric Power Products, Inc. • MotorDoc LLC. • MOXA Inc. • MPR Associates Inc. • National Grid USA
New York Independent System Operator Inc. • OMICRON Electronics Corp. USA • Oracle • PG&E • PingThings • PJM Interconnections
POWER Engineers, member of WSP • Power Systems Consultants [PSC] • PSEG • Quanta Services • S&C Electric Company
Sargent & Lundy • Schweitzer Engineering Laboratories Inc. [SEL] • Siemens Energy, Inc. • SILVER GRAY DESIGN • Simple Thread
Southern California Edison • Southern States, LLC • Tennessee Valley Authority • Ulteig • United Power • Vanry & Associates • VELCO

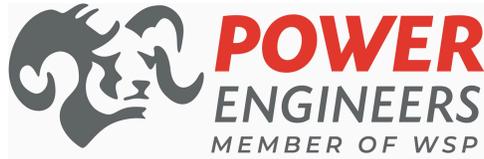
EDUCATIONAL MEMBERS:

Colorado School of Mines • George Mason University • Kansas State University • North Carolina State University
Texas A&M University • University of Illinois at Urbana Champaign • University of Missouri • University of Puerto Rico-Mayaguez
University of Tennessee • Virginia Tech

RENEW YOUR CIGRE USNC MEMBERSHIP FOR 2026!

THANK YOU TO OUR GOTF SPONSORS!

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