

# CIGRE NEWSLETTER

IN THIS ISSUE:

**PRESIDENT'S CORNER • TECHNICAL ACTIVITIES UPDATE • NGN CORNER  
WiE CORNER • LAUNCH OF NEW CIGRE WGs • PUBLICATIONS • WELCOME TO CIGRE  
THANK YOU TO OUR GOTF SPONSORS**



## PRESIDENT'S CORNER

BY: CHRIS ROOT  
CIGRE USNC President

As fall approaches this year, I am nearing the end of my term as President of the US National Committee [USNC] of CIGRE. It has been a pleasure and a privilege to serve as the head of this important industry committee. Looking back, we have accomplished so much together. The US number of collective members has grown by over 35%, the number of papers submitted for the Paris Session has exploded to over 100, and the Grid of the Future Symposium has grown and now attracts over 300 people consistently. We survived the COVID era and are the No. 1 National Committee in the world. Thank you all for your interest and commitment to the mission of CIGRE and bringing important, relevant and practical information to the utility industry. The USNC is a vibrant and healthy organization which I will be handing over to Matt Gardner next year.



# PRESIDENT'S CORNER

## Annual Members Meeting

At the IEEE PES General Meeting in July, the USNC Annual Members Meeting was held. It was attended by over 120 people. This was the largest ever! Presentations were given by many of the officers, and we hosted an awards ceremony to recognize those who do so much for this organization. I would like to thank the Awards Committee for selecting me for one of the Philip Sporn Awards. Below we recognize all the award winners including ISO-NE for being the Collective Member of the Year. Congratulations to all!

## CONGRATULATIONS TO ALL THE AWARD WINNERS!



Mark McVey  
*Dominion Energy*  
**Philip Sporn Award**



Chris Root  
*Quanta Technology*  
**Philip Sporn Award**



Julia Matevosyan  
*Energy Systems Integration Group*  
**Dale Douglass Award for Technical Achievement**



Dr. Tapan Manna  
*Burns & McDonnell*  
**Attwood Associate Award**



Douglas Proctor  
*Proctor Engineering, Inc.*  
**Attwood Associate Award**



Amanda Olson  
*Burns & McDonnell*  
**Virginia Sulzberger Service Award**



John D. McDonald, P.E.  
*JDM Associates, LLC.*  
**VP Technical Programs Emeritus**



ISO New England  
**Collective Member of the Year**



## PRESIDENT'S CORNER

### Grid of the Future Update

This fall will be a busy time. The 2025 Grid of the Future Symposium [GOTF], hosted by [POWER Engineers, member of WSP](#), will be held in Denver, CO from November 10-13. It is shaping up to be a great event with 4 excellent executive panels, 2 keynote addresses, 3 tours/tutorials and participation from a large number of executives and industry experts. I hope you plan to join us. Registration is now open and there are still opportunities to sponsor parts of the symposium. *[For more details, see John McDonald's report on [page 5](#).]*

[Attendee Registration](#)

### Sponsorship Opportunities Still Available!

Upon availability, all sponsors have the opportunity to set up a tabletop exhibit in the pre-function area. Each exhibit includes a table, chairs, power, and WiFi—ideal for connecting with attendees.

If you're interested in sponsoring and showcasing your company, register using the button below.

[Sponsorship Registration](#)

### Hotel Information

We have a reserved block of rooms at the [Hyatt Regency Denver Hotel](#), where all symposium events are held. Book by **12pm Mountain Time on Monday, October 20, 2025** to secure your spot.

[Book Your Stay](#)



## PRESIDENT'S CORNER

Preparation's for next year's Paris Session are well underway, with technical synopses currently under review. This year, we saw a record number of submissions from the US.

The Paris Session, along with the US reception and other related events, offer a truly memorable experience.

I encourage you to explore the newly released Technical Brochures – CIGRE's most valuable technical resource. A full list is included on [page 15](#) of this newsletter.

I would like to welcome our newest Principal Collective Member, [MotorDoc LLC](#), to CIGRE USNC. Thank you for joining the USNC.

Once again, thank you for being a USNC member. I look forward to seeing you all in Denver for what promises to be one of our biggest events yet!

Chris Root  
USNC President

# PLEASE JOIN US FOR THE 2025 GRID OF THE FUTURE SYMPOSIUM





## 2025 Highlights To Date

### 1. 2026 Paris Session Synopses

- August 25 - 147 synopses submitted
- August 25 to October 20 - Review of paper synopses by CIGRE Study Committees
- October 20 - Main US author notified of CIGRE selection results by CIGRE Paris Office
- October 20 to January 12, 2026 - For those authors whose synopses were accepted, US authors complete full papers

### 2. 2025 GOTF Symposium - Full Papers Due September 8, 2025

- No abstract step - full papers only
- Full papers due to [GOTF@tamu.edu](mailto:GOTF@tamu.edu) by September 8, 2025 [can have more time if needed, contact John McDonald - [johndougmc@gmail.com](mailto:johndougmc@gmail.com)]
- Suggested technical topics for papers in [Call For Papers](#)
- Must be no more than 12 pages long
- Must comply with [CIGRE USNC template](#) for required formatting
- Avoid commercialism
- Be of the highest technical standard and contribute to technical progress

### 3. 28 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 15.](#)*]
- eCIGRE [home to CIGRE's resource of 12,000+ technical publications]

### **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.*



## NEXT GENERATION NETWORK (NGN) CORNER

BY: LOGAN ROLLES

CIGRE USNC Next Generation Network Chair

Hello CIGRE!

The Next-Generation Network [NGN] has had a busy 2025, and continues to host a variety of events in the coming months! Check out some updates below from our exec team.

### NGN Webinars



Genesis Alvarez  
Webinars Co-Chair



Maigha  
Webinars Co-Chair

**CIGRE-NGN Professional Development Webinars** offer a unique platform where technical and thought leaders from across the power industry share cutting-edge insights, real-world experience, and forward-thinking perspectives—sparking meaningful dialogue in our rapidly evolving energy landscape.

With six webinars already delivered, we've explored topics ranging from **distribution system resilience** and **emerging large loads** to the **fundamentals of grounding**. Each session reflects the dynamic transformation underway in our field.

Up next, we're thrilled to welcome **Dr. Saifur Rahman** on **September 18th (1–2 PM ET)** for a compelling discussion on **“Technology’s Role in Achieving Climate Sustainability.”**

📺 Missed a session? Catch up on past webinars using the button below.

[NGN Webinar Archive](#)

Join us and tap into the deep expertise shaping the future of power systems.

### NGN Mentorship Program



Zejia Jing  
*Mentorship Chair*

This year, we have 56 participants, forming 39 mentor-mentee pairs. It's also wonderful to see diversity with 35 male and 21 female participants, representing 48 companies and universities. Dominion Energy, S&C Electric Company, and Power Engineers, Inc. have the most participants joining our mentorship program. Besides United States, this year we also have mentees from other countries including Pakistan and Netherland.

### NGN Paper Competition



Jodie Lupton  
*Paper Competition Co-Chair*



Secilia Ho  
*Paper Competition Co-Chair*

The 2025 NGN Paper Competition is off to a great start this year! **We received a total of 26 synopses**, and we have narrowed that down to our top 10 contests who are hard at work completing their full papers. We have such diverse participation this year from across the industry. **Our top 10 includes teams from universities, consulting firms, manufacturers, and utilities.** We can't wait to see who rises to the top 5 to present at Grid of the Future.

### NGN Events



Logan Rolles  
NGN Chair

Grid of the Future 2025 is right around the corner! Hosted in Denver, CO by POWER Engineers, a member of WSP, the NGN will be hosting a variety of events including a **tutorial on Wildfire Preparation & Mitigation** with speakers from multiple utilities, academia & manufacturers. **The top 5 paper competition finalists will present for the grand prize of a paid trip to CIGRE Paris 2026**, and this year's papers are top-notch! We will also be hosting our annual **NGN Breakfast** and **NGN Dinner** on Wednesday, November 11<sup>th</sup> with esteemed leadership speakers at both events. **This year, the NGN Dinner, hosted by Burns & McDonnell and POWER Engineers (WSP) invitation will be open to all symposium attendees** – so be on the look out for details after registering for Grid of the Future! I know I speak for all of us when I say that I'm excited to see all of the CIGRE community in-person this November!

In closing, 2025 has been another action-packed year, and the NGN continues to serve the CIGRE membership through mentorship, engagement, and helping new members find their place in the CIGRE world. As always, please don't hesitate to reach out with any questions, suggestions, or interest in working with the NGN Team!



## WOMEN IN ENERGY (WiE) CORNER

BY: KATE GRAVES

CIGRE USNC Women in Energy Committee Member

### Spotlighting the Women Shaping the Future of Our Industry – Continuing the Conversation

Please join us for the next **Women in Energy’s Connections Series session on Wednesday, October 15<sup>th</sup> at 1 PM EDT / 12 PM CDT**. This session will feature a keynote and networking opportunity, featuring **Farnaz Farzan, PhD, Principal Advisor and Energy Solutions & Analytics Manager, Distribution, Quanta Technology**.

Dr. Farnaz Farzan provides consulting in non-wire alternatives (NWAs), distributed energy resources (DERs), energy storage, wholesale market analysis, and strategic planning and investment to integrate renewable technologies into power grid systems and markets. She has been focused on developing advanced analytics to support decision-making processes around renewables, DERs, and emerging technologies.

Her expertise spans engineering economics, market simulation, control theory, and operations research with deep experience in DER evaluation, policy impacts, and utility strategy. Through her projects, she has also explored how rising renewable penetration affects bulk power systems in both U.S. and international contexts. Farnaz earned her PhD in Industrial and Systems Engineering and M.S. in Mechanical and Aerospace Engineering from Rutgers University and a B.S. in Mechanical Engineering from the University of Tehran.

She will share highlights from her career journey, insights into evolving trends in the power industry, and advice for those navigating their own professional paths. Following the keynote, participants will break into small-group networking sessions for deeper conversation and connection.



Stay tuned!  
Join us later this summer  
for an engaging one-hour

## Women in Energy (WiE) Connections: Keynote and Networking Event

Registration will be required.



Featuring:  
**Farnaz Farzan**  
Quanta Technology  
Principal Advisor,  
Distribution

[Register Here!](#)



## WOMEN IN ENERGY (WiE) CORNER

BY: KATE GRAVES

CIGRE USNC Women in Energy Committee Member

### Thank You for Joining Our Summer Sessions

We are grateful to everyone who joined us for our summer events. Special thanks to our featured speakers:

- June 25 with Mandy Olson, T&D Engineering Director at Burns & McDonnell
- August 14 with Preeti Mathema, Distribution Planning Director at 1898 & Co. (co-sponsored with our colleagues the Next Generation Network [NGN] group).

We hope you enjoyed these sessions as much as we did!

### Upcoming WiE Events at the CIGRE Grid of the Future Symposium

#### WiE Girl Scouts STEM Event

*Monday, November 10 | 6:30-7:30 PM*

As part of our commitment to inspiring the next generation, WiE will host a STEM session with the local Girl Scouts chapter during the symposium. Our team will share career experiences and our journeys, lead a question-and-answer session, and engage with and guide participants in building a working wind turbine. This event is reserved for WiE members only.

#### WiE Breakfast

*Tuesday, November 11 | 7 AM-7:45 AM | Mineral Hall*

Featuring Jackie Becker, Vice President of Transmission Engineering & Construction at Ameren. Jackie will share her professional journey and insights on leadership and innovation in the energy sector. This event is open to all attendees.

Jackie Becker brings more than 16 years of experience in engineering and project management. She is currently Vice President of Transmission Engineering and Construction of Ameren Services Company where she is responsible for the overall execution of Ameren's approximately \$1B annual transmission capital project. Prior to assuming her current role, she has served as Senior Director of Transmission Operations & Maintenance and Director of Transmission Portfolio Management, Planning and Project Controls. Prior to Ameren, she worked as a Project Engineer at Anheuser-Busch. Jackie holds a B.S. in Civil Engineering from the University of Illinois Urbana-Champaign and an MBA from Southern Illinois University Edwardsville.



## WOMEN IN ENERGY (WiE) CORNER

BY: KATE GRAVES

CIGRE USNC Women in Energy Committee Member

### Upcoming WiE Events at the CIGRE Grid of the Future Symposium

#### WiE Mentor Speed Networking Event

Tuesday, November 11 | 11:15 AM -12:30 PM | Agate Room

Join women ready to give and gain mentorship through dynamic one-to-one networking sessions. Lunch will be provided. Open to all women attending the Symposium.

***Please Indicate Your Interest Here***

#### WiE Panel on Large Load Interconnection

Wednesday, November 12 | 1-2 PM | Capitol 1-3

Join us for a dynamic panel discussion on large load interconnection in transmission featuring accomplished female leaders. The conversation will explore various topics on interconnection with a focus on enhancing grid resiliency. This event offers a unique opportunity to gain insights into the evolving landscape of energy infrastructure from diverse industry perspectives. This event is open to all. Stay tuned for our panel speakers' announcement!

# Calling women in energy!



# Launch of New CIGRE Working Groups - 2025 Call for Experts

BY: KONSTANTIN PAPAILIOU, CIGRE PRESIDENT

For more than a century, the US National Committee [USNC] has been a cornerstone of CIGRE's global success. Established in 1921, the USNC has grown into one of the largest and most active National Committees worldwide, with more than 1,000 individual members and over 65 collective member organizations.

US experts have provided leadership at the highest levels of CIGRE, serving as Study Committee Chairs in critical areas such as system stability, HVDC, relaying, and network planning, while also authoring numerous technical brochures that became international references. Members of the USNC have been repeatedly recognized with CIGRE's most prestigious distinctions, including Honorary Memberships and Distinguished Member Awards, underscoring both technical excellence and long-standing service.

Through its consistent engagement, the USNC has hosted major CIGRE events, advanced innovation in grid resilience, digitalization, and cybersecurity, and fostered collaboration across continents. Building on this strong tradition, CIGRE has now launched its 2025 Call for Experts, inviting contributions to a new set of Working Groups that address today's most pressing challenges.

The newly launched WGs cover a broad spectrum of themes, reflecting the complexity of today's power systems and the urgent need to enable a reliable, sustainable energy transition. Selected highlights include:

- Wide Area Operational Security Systems – enhancing operational resilience in an increasingly dynamic grid.
- Digital Twins in Switchgear – applying advanced modelling to monitor and predict equipment performance.
- Artificial Intelligence in Cybersecurity Defense – strengthening defenses for critical infrastructure.
- Grid Flexibility and Decarbonization – regulatory and market frameworks to enable electrification and renewable integration.
- Resilience in Extreme Conditions – preparing for climate-driven challenges such as wildfires, storms, and heatwaves.

# Launch of New CIGRE Working Groups - 2025 Call for Experts

BY: KONSTANTIN PAPAILIOU, CIGRE PRESIDENT

These WGs illustrate the plethora and variety of topics CIGRE develops each year, ensuring that expertise is mobilized across the full range of technical, operational, and strategic issues.

For USNC members, active participation in these WGs offers:

- **Global Influence:** A seat at the table where international standards and practices are shaped.
- **Knowledge Access:** Early insight into leading-edge methods and real-world case studies.
- **Collaboration Opportunities:** Strengthened ties with peers across more than 90 countries.
- **Capacity Building:** Development opportunities for both senior experts and the Next Generation Network (NGN).

The USNC's proven track record uniquely positions it to continue leading and enriching these global dialogues. The Committee is encouraged to identify experts across utilities, academia, manufacturers, and research centers, to promote participation among early-career engineers and NGN members, and to align contributions with US priorities such as resilience, cybersecurity, and modernization, while adding value to the global CIGRE body of knowledge.

CIGRE's 2025 Working Groups represent the next step in building a knowledge base that supports the energy transition, digital innovation, and system resilience. The USNC's legacy of leadership and high-quality contributions makes it a natural driver in these new initiatives.

**Full details:** [CIGRE Call for Experts](#)

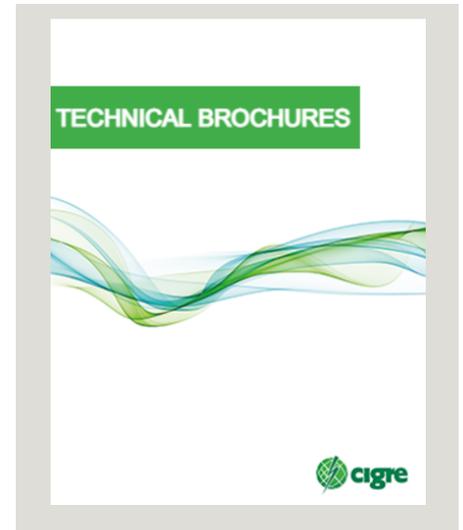
Konstantin O. Papailiou  
CIGRE President  
[www.cigre.org](http://www.cigre.org)

# PUBLICATIONS

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

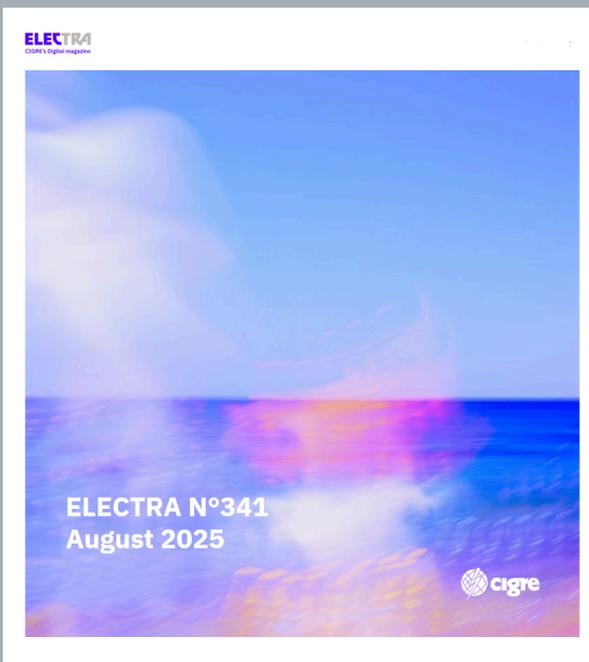
- **TB 969:** Forecasting Dynamic Thermal Line Ratings
- **TB 968:** Interaction Between Cable and Accessory Materials in HVAC and HVDC Applications
- **TB 967:** Mechanical Properties of Insulation Materials for Power Transformers
- **TB 966:** Sustainable Corridor Management
- **TB 965:** Best Environmental and Socioeconomic Practices for Improving Public Acceptance of High Voltage Substations

*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



[READ MORE](#)

### ELECTRA August 2025

Featured in this edition:

#### GLOBAL CONNECTIONS

- Unity 3.0 - Part 3: The Human Core of the Energy Transition - From Ethical Observation to Grid Responsibility

#### LIFE OF THE ASSOCIATION

- Green Book now referenced by Scopus

#### GLOBAL LEADERSHIP PERSPECTIVES

- Preparation and Listening: The Foundation of Effective Workflow

#### TECHNOLOGY E2E

- EMF Consideration for Data Centers Near Transmission Lines: Corridor Width Recommendations

# WELCOME TO CIGRE!

Saieed Ahmed • Thomas Alford • David Atwood • Andrew Barco • Rick Bart • Fabien Besnard  
Laura Biedermann • Shashank Bodhankar • Katherine Bridwell • Barrett Buechler  
Michael Burnett • Tamojit Chakraborty • Shane Crump • David Daigle • Ryan Dillon  
Emily Dompkowski • Robinson Dugan Christian Easton • Bill Erdman • Toby Farkas  
Joshua Garner • Felipe Gianotti Cardoso de Lima • Bin Huang Rebecca Isnardi • Avinash Jain  
Farris Jibril • Katy Katona • Jim Kay • Thomas Kay • George Kennedy • Peter Kiczula  
Stephen Koch • Prem Kumar • Dave Lewis • Ahmadreza Malekpour • Marija Markovic  
Jessica Marshik • Daniel Martinez • Austin McCann • Steven McCracken • Hannah McGoldrick  
Christopher Meeks • Cody Messmore • Alexander Millan • Joydeep Mitra • James Mouser  
Davoud Nezamolmolki • Kyle Nicholson • Nicholas Nolan • David Nowicki • Kyle Oraskovich  
Ana Ospina • Stephen Paul • Ken Petroff • Yanxi Piao • Amir Quadri • Alex Rosenblatt  
Roosbeh Sadeghi • Balaji Santhanam • Ernst Scholtz • Vivien Serviao • Majid Siahtrang  
Alan Lara Soares • Mike Spadazzi • Todd Staffaroni • Mauricio Subieta • Drew Szabo  
Tim Taylor • Sushrut Thakar • Alexandre Tilmant • Vasily Topko • Sunny Verma • Rob Wall  
Jiecheng Zhao • Huanfeng Zhao

## 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  
ISO New England Inc. • ITC • Lindsey Systems • LineVision Inc. • LCRA • 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, Inc. • 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 • 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

# THANK YOU TO OUR GOTF SPONSORS!

HOSTED BY:



PLATINUM



GOLD



SILVER



BRONZE



ADDITIONAL

