U.S. National Committee of CIGRE
Annual Meeting of Members
August 7, 2018
Portland, OR
Who Are We?

• **PURPOSE** - To foster engagement and knowledge sharing among power system professionals globally to enable the sustainable provision of electricity for all.

• **MISSION** - We contribute to the betterment of power systems by enhancing the expertise of the people within it.

• **VISION** - To be universally recognized as the leading global organization for all aspects of electric power systems.
USNC General Meeting
Agenda

• USNC President’s Opening Remarks  D. Roop
• CIGRE International Update  M. Heyeck
• Awards & Recognition  E. LaRose
• Nominations & Appointments  C. Root
• Treasurer’s Report  C. Kelly
• Administrative VP Report  D. Roop
• Next Generation Network  A. Olson
• Technical Activities Report  J. McDonald
• Future CIGRÉ and USNC Meetings  D. Roop
• Other Business & Discussion  USNC Members
CIGRE Organization (2018)

• Officers
  – President – Rob Stephen (SA) to Paris 2020
  – Treasurer – Michel Augonnet (FR) to Paris 2020
  – Technical Council Chair to Paris 2018
    • Mark Waldron (UK)
    – Technical Council Chair at Paris 2018 to Paris 2022
      • Marcio Szechtman (BR)
      – Secretary General – Philippe Adam (FR) On-Going
• Steering Committee, Administrative Council
  – U.S. NC Rep – Mike Heyeck to Paris 2020
International Activities

• New Branding & Communications Effort to support CIGRE Strategic Plan and National Committees
  – Paris 2018 Opening Ceremony Inauguration with New Logo, Web Content, Video, Responsive Design for Varied Screens
  – Electra Renewal Digitization by 2019-2020
• Strategic Expansion into Distribution
• Statutes for Greater Succession for Officers
  – 4 Year Terms instead of 2 Years, unless AdCo Petition at 2 Years. May Extend to 6 Years (excluding President).

• CIGRE Video
2017 CIGRE Membership

<table>
<thead>
<tr>
<th>Year</th>
<th>Europe</th>
<th>America</th>
<th>Pacific &amp; Asia</th>
<th>Africa &amp; Middle East</th>
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<td>2016</td>
<td>1056</td>
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<tr>
<td>2017</td>
<td>1822</td>
<td></td>
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</table>
2017 CIGRE equivalent membership
Top 15 CIGRE National Committees
Awards & Recognition Committee

- Keith Lindsey – Chair – Lindsey Mfg. Co.
- Elizabeth LaRose – Vice Chair - GE Power
- Dick Wakefield – Vice Chair – Consultant
- Clark Gellings – EPRI – Consultant
- Mike Heyeck - Consultant
- John McDonald – GE Grid Solutions
- Rana Mukerji – New York ISO
- Chris Root – VELCO
- B. Don Russell – Texas A&M University
- Virginia Sulzberger - Consultant
USNC
Attwood Associate Award

– Citation –

“To honor the contributions and memory of Frederic Attwood of the USA, who, with J. Tribot Laspiere of France, foresaw the need for an international organization in the field of high-voltage power engineering and who became the first chairman of the U.S. National Committee upon the founding of CIGRÉ in the year 1921.”
USNC
Attwood Associate Associate Awards – 2018

• Albert DiCaprio
USNC
Attwood Associate Awards – 2018

• Albert DiCaprio
• Michael L. Lamb
USNC
Attwood Associate Awards – 2018

• Albert DiCaprio
• Michael L. Lamb
• Mark McVey
USNC
Attwood Associate Awards – 2018

• Albert DiCaprio
• Michael L. Lamb
• Mark McVey
• Nenad Uzelac
USNC
Philip Sporn Award — 2018

– Citation –

“For cumulative career contributions to the advancement of the concept of system integration in the theory, design, and/or operation of large high-voltage electric systems in the United States.”
USNC
Philip Sporn Award — 2018

• Ralph S. Gens
USNC
Philip Sporn Award — 2018

• Ralph S. Gens
• Pouyan Pourbeik
USNC
Outstanding Collective Member Award — 2018
USNC
Outstanding Collective Member Award — 2018

“For outstanding leadership and continuing managerial, technical, and financial support of the activities of the U.S. National Committee and CIGRE over an extended period of time.”
USNC
Outstanding Collective Member Award — 2018

Burns & McDonnell
USNC
Outstanding Collective Member
Award — 2018

S & C Electric
Awards & Recognition – 2018

• USNC Awards (2018)
  – Attwood Associate
  – Philip Sporn
  – Outstanding Collective Member

• CIGRE Awards (2018)
  – Distinguished Member
  – And More
CIGRÉ Distinguished Member Award – 2018

“A tribute to long-standing membership and active participation in and significant contributions to the development and work of CIGRÉ within CIGRÉ study committees and/or National Committees.”

• Roger Dugan
• Mladen Kezunovic
• William Moore
• Andrew Ott
• Andrew Phillips
Awards & Recognition – 2018

• USNC Awards (2018)
  – Attwood Associate
  – Philip Sporn
  – Outstanding Collective Member

• CIGRE Awards (2018)
  – Distinguished Member
  – And More
Paris Recognitions

U.S. NATIONAL COMMITTEE MEMBERS
Every Session year since 1994, Technical Council awards are granted to a few CIGRE Members as a reward for their active participation in the activities of the technical work of the Study Committees. Every two years, each Study Committee Chair puts forward one name from among members of his/her Study Committee or Working Groups. These proposals are approved by the Technical Council Chairman.
CIGRE Technical Council Award — 2018

U.S. National Committee Members Recognition

SC A3: Transmission & Distribution Equipment

Harley Wilson

SC B3: Substations & Electrical Installations

Mark McVey
CIGRE
Honorary Member Award — 2018

Every Session year since 1992, the “Honorary Member” awards are granted to maximum ten members who have proven participation in CIGRE technical activities in a leadership role of CIGRE, and for members whose service of CIGRE has been judged exceptional.
Every Session year since 1992, the “Honorary Member” awards are granted to maximum ten members who have proven participation in CIGRE technical activities in a leadership role of CIGRE, and for members whose service of CIGRE has been judged exceptional.

Andrew Ott
Every Session year since 2008, the “CIGRE Medal” is granted to maximum two members of CIGRE, in recognition of proven outstanding technical or engineering contribution to CIGRE and the engineering field, and proven leadership for the benefit of the organization.
CIGRE Medal - 2018

Every Session year since 2008, the “CIGRE Medal” is granted to maximum two members of CIGRE, in recognition of proven outstanding technical or engineering contribution to CIGRE and the engineering field, and proven leadership for the benefit of the organization.

Clark Gellings
Nominations & Appointments Committee

- Chris Root – Chair – VELCO
- Chris Kelly – National Grid
- Damir Novosel – Quanta Technology
- Mark McGranaghan – EPRI
- John McDonald – GE Grid Solutions
USNC Vice Presidents
(Chairs of USNC Committees)
Nominations for Term Ending Through 2019

- Keith Lindsey (Lindsey) Awards & Recognition
- Mike Beehler (Burns & McDonnell) Marketing & Membership
- Chris Root (VELCO) Nominations & Appointments
- Amanda Olson (Burns & McDonnell) Next Generation Network
USNC Officers

Term Ending (TE) Through 2018:

- David Roop (Dominion Energy) - President
- Mike Heyeck (USNC) - Past President
- Don Russell (TAMU) – Secretary; VP, Administration-Secretariat
- Chris Kelly (National Grid) - VP, Treasurer
- John McDonald (GE Grid Solutions) – VP, Technical Activities
### Executive Committee as Members at Large Term Ending 2018

<table>
<thead>
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<th>Name</th>
<th>Organization/Institution</th>
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<tr>
<td>William Ball</td>
<td>Southern Company</td>
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<td>Dr. R. Ramakumar</td>
<td>Oklahoma State University</td>
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<tr>
<td>Richard Kirkland</td>
<td>Leidos</td>
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<tr>
<td>Stewart Ramsey</td>
<td>Varney &amp; Associates</td>
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<td>Jaime De La Ree</td>
<td>Virginia Tech</td>
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<tr>
<td>Gregory Reed</td>
<td>University of Pittsburgh</td>
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<td>Valentine Emesih</td>
<td>Centerpoint Energy</td>
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<tr>
<td>Paul Roskilly</td>
<td>Siemens Energy Management</td>
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<td>Clark W. Gellings</td>
<td>USNC</td>
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<td>Donald Russell</td>
<td>American Transmission Company</td>
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<td>Patrick Hogan</td>
<td>PG&amp;E</td>
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<td>Erik Takayesu</td>
<td>Southern California Edison</td>
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<tr>
<td>Elizabeth LaRose</td>
<td>GE Power</td>
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<tr>
<td>Sunil Talati</td>
<td>DNV-GL</td>
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<tr>
<td>Yilu Liu</td>
<td>University of TN &amp; Oak Ridge Nat Lab</td>
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<tr>
<td>John Paserba</td>
<td>Mitsubishi Electric Power Products</td>
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<tr>
<td>Aaron Lewis</td>
<td>Black &amp; Veatch Corp</td>
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<tr>
<td>Longya Xu</td>
<td>Ohio State University</td>
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<td>Kevin Rapp</td>
<td>Cargill</td>
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### Executive Committee as Members at Large

Term Ending 2017

<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
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<tr>
<td>Khalid Al-Olimat (Ohio Northern University)</td>
<td>Tomas Leander (ABB, Inc.)</td>
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<td>Shay Bahramirad (Commonwealth Edison)</td>
<td>Mark McGranaghan (EPRI)</td>
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<td>Samuel Barnes (Commonwealth Associates, Inc)</td>
<td>Rana Mukerji (NY-ISO)</td>
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<td>Sanjay Bose (ConEdison)</td>
<td>Damir Novosel (Quanta)</td>
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<tr>
<td>Robert W. Bradish (American Electric Power)</td>
<td>Andy Ott (PJM Interconnection, LLC)</td>
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<td>Carl Bridenbaugh (First Energy Corporation)</td>
<td>Tim Qualheim (S&amp;C)</td>
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<td>Mark Caskey (Sharyland Utilities, LP)</td>
<td>Richard Shaheen (BPA)</td>
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<td>Clayton Clem (Tennessee Valley Authority)</td>
<td>Eric Stein (Exelon)</td>
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<td>Terence Donnelly (Exelon)</td>
<td>Demetrios A. Tziouvaras (Schweitzer Engineering)</td>
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<td>Wayne Galli (Clean Line Energy Partners, LLC)</td>
<td>Edvina Uzonovic (WPI)</td>
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<tr>
<td>Tom Galloway (NATF)</td>
<td>Gordon van Welie (ISO-NE)</td>
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<td>Randy Grass (Power Engineers)</td>
<td>Peng Zhang (UConn)</td>
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<td>Scott Homes (Smart Wires)</td>
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USNC – 2017 Finances

• Revenues:
  – Individual Memberships $120,500.00
  – Collective Memberships $79,350.00
  – Corporate Sponsorships $157,500.00
    Paris Reception, Grid of the Future & Colloquium
  – Conference Income $123,750.00
    Annual Mtg., Paris, Grid of the Future & Colloquium

  Revenue Total: $ 481,100.00

• Expenses:
  – Dues to Paris Office $77,261.86
  – Administration/Operations $81,619.65
  – Conferences $132,344.98
  – Travel $27,165.26
  – Marketing $41,172.49

  Expense Total: $ 359,564.24
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<th>Budget</th>
<th>Actual</th>
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<tr>
<td>Expenses</td>
<td>$440,372.00</td>
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<tr>
<td>Net Income</td>
<td>$22,728.00</td>
<td>$121,535.76</td>
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Investments:
- Certificates of Deposit: $266,571.70
2017 Expense Breakdown

- Conference Expenses: $132,344.98 (37%)
- Member Expenses: $77,261.86 (21%)
- Administration & Operations: $81,619.65 (23%)
- Officer and Staff travel: $27,165.26 (8%)
- Marketing: $41,172.49 (11%)
### USNC Membership

<table>
<thead>
<tr>
<th>Category</th>
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<th>2016</th>
<th>2017</th>
<th>2018*</th>
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<td>Individual</td>
<td>528</td>
<td>525</td>
<td>608</td>
<td>548</td>
<td>622</td>
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<td>“Collective”</td>
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<tr>
<td>Principal</td>
<td>(24)</td>
<td>(27)</td>
<td>(29)</td>
<td>(26)</td>
<td>(25)</td>
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<tr>
<td>Sustaining</td>
<td>(7)</td>
<td>(5)</td>
<td>(5)</td>
<td>(8)</td>
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<tr>
<td>Patron</td>
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<td>(9)</td>
<td>(8)</td>
<td>(5)</td>
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<td>Educational</td>
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<td>(14)</td>
<td>(13)</td>
<td>(13)</td>
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*2018 Data as of July 23, 2018*
Collective – Members 2018 (to date)

Patron Members (5)

AEP Service Corporation  
EPRI  
Tennessee Valley Authority  
Dominion Energy  
GE Power

Sustaining Members (8)

Burns & McDonnell  
ConEdison  
Lindsey Manufacturing Co.  
New York ISO  
Commonwealth Associates, Inc.  
ISO New England, Inc.  
National Grid USA  
S&C Electric Co.
Collective – Members 2018 (to date)

Principal Members (25)

Black & Veatch
Cargill
First Energy Corp.
Leidos
Mitsubishi Electric Power Products
North American Substation Services
PECO Energy
PJM Interconnections
Power Line Systems
Quanta Services
Sediver USA
Southern Company
VELCO

Bonneville Power Adm.
Commonwealth Edison
Hunt Power
Minnesota Power
MPR Associates, Inc.
Pacific Gas & Electric Co.
PingThings
POWER Engineers, Inc.
PSC North America
Schweitzer Engineering Laboratories
Siemens Energy, Inc.
Vanry + Associates
Collective – Members 2018 (to date)

Educational Members (13)

Clemson University
Kansas State University
Missouri University of Science & Technology
Ohio State University
Ohio Northern University
Oklahoma State University
Texas A&M University
University of Pittsburgh
University of Puerto Rico - Mayaguez
University of Tennessee
USACE Library
Virginia Polytechnic Institute and State University
Washington State University
Next Generation Network (NGN)

What Members are Saying

CIGRE NGN has created a community of young professionals who are very dedicated and motivated by the work we're all doing.

...share our perspectives, support each other, and teach each other valuable technical and non-technical things...

The connection to technical experts from around the world offers significant benefits and perspectives.
Next Generation Network (NGN) Activities

CIGRE Working Groups
- Collaborate with world class experts on groundbreaking initiatives

Paris Session
- U.S. and Russia are collaborating to organize the young member activities and booth for the 2018 Paris Session

Paper Competition
- Recognize early career accomplishments
- Prizes for winners including free Paris registration and travel stipend

GOTF Symposium
- Sponsored events for technical development and networking

Webinars
- Learn about varying power system and leadership topics
Next Generation Network (NGN)
Mentor Group Feedback

“I feel that my technical background is good enough to understand, criticize, and raise questions. However, when it comes to experience, I am a graduate student with about 5 years of industry experience, while other group members have at least 15+ years of experience. I prefer to think that everybody starts one day, and this is my turn. I am glad for having this opportunity to be exposed to a worldwide group of experts in the field.”

-Marcos Netto, Working Group Corresponding Member
2018 Paris Session

- Young Member Showcase
  - Ryan Quint (NERC): SC C4
  - Josh Novacheck (NREL): SC B4

- 8 Free NGN Registrations

- Young Member Forum
  - Josh Snodgrass
  - Jessica Lau
  - Amanda Olson

- Young Member Activities
- Young Member Booth
Next Generation Network (NGN)
Paper Competition

2015

2016

2017

2017 NGN Paper Competition
Grand Prize Winner
Reynold Cornell
Next Generation Network (NGN)

Grid of the Future

- NGN Activities (organized by Chris Mertz and Alyson Rossini)
  - Breakfast
  - Dinner
  - Competition
  - Tours
### Next Generation Network (NGN)
#### 2018 Executive Committee

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<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Company</th>
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<tbody>
<tr>
<td>Chair</td>
<td>Mandy Olson</td>
<td>Burns &amp; McDonnell</td>
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<tr>
<td>Communications, Secretary, newsletter, website</td>
<td>Kyle Thomas</td>
<td>Dominion Energy</td>
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<tr>
<td>Events</td>
<td>Chris Mertz, Alyson Rossini</td>
<td>Dominion Energy, Leidos</td>
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<tr>
<td>International Collaboration</td>
<td>Josh Snodgrass, Jessica Lau</td>
<td>POWER Engineers, NREL</td>
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<tr>
<td>Marketing</td>
<td>Yazan Alsmadi</td>
<td>AEP</td>
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<td>Jessica Haines</td>
<td>First Energy</td>
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<td>NREL</td>
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<td>Saeed Kamalinia, Jon Marmillo</td>
<td>S&amp;C Electric, Genscape</td>
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<td>Nikia Munson</td>
<td>POWER Engineers</td>
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<tr>
<td>Webmaster</td>
<td>Chris Mertz</td>
<td>Dominion Energy</td>
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Technical Activities Committee

• USNC Representatives to CIGRÉ Study Committees & Appointment Dates
• USNC Papers for the 2018 Paris Session (NCA, IA, AA)
• USNC Synopses Selection Process
• GOTF Paper Submission and Evaluation
• Working Groups/Task Forces Member Selection Process
• CIGRE WG and Convener Origins
• Ladies in CIGRE WGs Origins
• Ladies WG Convener Origins
U.S. Representatives to CIGRÉ Study Committees & Appointment Dates

• A1-Bill Moore (EPRI) - 2014
• A2-Mike Lamb (Dominion Energy) – 2018
• A3-Albert Livshitz (CE Power) – 2018
• B1-Mohammad Pasha (United Illuminating) – 2014
• B2-Jennifer Havel (BPA) – 2014
• B3-John Randolph (PG&E) – 2012
• B4-Neil Kirby (GE Grid Solutions) – 2018
• B5-Rich Hunt (GE Grid Solutions) – 2016
U.S. Representatives to CIGRÉ Study Committees & Appointment Dates

• C1-Jeff Palermo (PJP Consulting) – 2016
• C2-Todd Ramey (MISO) – 2018
• C3-Vacant
• C4-Theo Laughner (PowerGrid-RX Inc.) - 2014
• C5-Adam Keech (PJM Interconnection) - 2014
• C6-Jason Taylor (EPRI) – 2016
• D1-Andrew Phillips (EPRI) – 2012
• D2-Galen Rasche (EPRI) – 2012
U.S. Additional Members to CIGRÉ Study Committees & Appointment Dates

- A1-Hugh Zhu (Doble Engineering) - 2018
- A2-Luiz Cheim (ABB) – 2018
- A3-None
- B1-Rusty Bascom (Electrical Consulting Engineers) – 2018
- B2-Doug Proctor (Proctor Engineering) – 2018
- B3-Cliff Thompson (NA Substation Services) – 2018
- B4-David Roop (MEPPI) – 2018
- B5-Mladen Kezunovic (Texas A&M University) – 2018
U.S. Additional Members to CIGRÉ Study Committees & Appointment Dates

- C1-Russ Gentile (Sargent & Lundy) – 2018
- C2-None
- C3-Regina-Guofang Gao (ABB) – 2018 (Observer)
- C4-George Gela (Berkshire Electric) - 2018
- C5-None
- C6-Sundar Venkataraman (GE Power) – 2018
- D1-Bill Larzelere (Evergreen High Voltage) – 2018
- D2-None
<table>
<thead>
<tr>
<th>TYPE OF ALLOTMENT (NCA, AA, IA)</th>
<th>STUDY COMMITTEE</th>
<th>PREF. SUBJECT (PS1, PS2, PS3)</th>
<th>TITLE OF THE SYNOPSIS</th>
<th>AUTHORS</th>
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<tbody>
<tr>
<td>NCA A1</td>
<td>PS1</td>
<td>Hybridizing Gas Turbine with Battery Energy Storage: Performance and Economics</td>
<td>N.W. Miller, J. Heinzmann, J. Frasier</td>
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<tr>
<td>NCA A2</td>
<td>PS1</td>
<td>Design of Insulated Cables to Reduce Gassing Issues in Power Transformers</td>
<td>D. Vir, T. Golner</td>
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<tr>
<td>NCA B5</td>
<td>PS1</td>
<td>IEC 61850 R-GOOSE Applications to Load Shedding Under System Emergency Conditions</td>
<td>A. Apostolov</td>
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<tr>
<td>NCA C2</td>
<td>PS1</td>
<td>The Role of Fast Frequency Response in Low Inertia Power Systems</td>
<td>D. Stenclik, M. Richwine, N. Miller</td>
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<td>NCA C4</td>
<td>PS1</td>
<td>On Steady-State Voltage Standards with High-Penetration of Distributed Energy Resources</td>
<td>J. Peppanen, J. Taylor</td>
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<td>NCA D1</td>
<td>PS3</td>
<td>The Asset Health Center, Implementation of Online Monitoring and the Grid of the Future</td>
<td>R. Cornell, J. Llavona, K. Zellers, A. Sutliff, P. Chung</td>
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<td>NCA D2</td>
<td>PS3</td>
<td>A Hybrid Communications Network Approach for Advanced Applications on the Modern Grid</td>
<td>J.-P.H. Knauss</td>
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<td>TYPE OF ALLOTMENT (NCA, AA, IA)</td>
<td>STUDY COMMITTEE</td>
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<td>A3</td>
<td>PS3</td>
<td>Performance Evaluation of CO\textsubscript{2}/Fluoronitrile Mixture at 63kA Short Circuit Current Level in Metal Enclosed (GIS and Dead Tank) High-voltage Circuit Breakers</td>
<td>V. Hermosillo, C. Gregoire, D. Vancell, J. Ozil, G. Gaudart</td>
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<tr>
<td>IA</td>
<td>A3</td>
<td>PS3</td>
<td>Vacuum Generator Circuit Breaker as a Reliable SF\textsubscript{6} Alternative with Reduced Life Cycle Costs for Power Plants up to 400 MW</td>
<td>P. Leufkens, R. Nayar, K.R. Venna</td>
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<td>IA</td>
<td>B2</td>
<td>PS1</td>
<td>Reliability Based Transmission Capacity Forecasting</td>
<td>J. McCall, R. Bliss, D. Nadeau</td>
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<td>IA</td>
<td>B2</td>
<td>PS2</td>
<td>Test Results to Confirmation of Minimum Vegetation Clearance Distance (MVCD) Standards</td>
<td>A.J. Phillips, R. Lordan, C.S. Engelbrecht</td>
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<td>Linking DC Macrogrids to Underlying AC Systems</td>
<td>L.O. Barthold, D.A. Woodford, M. Salimi</td>
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<td>Converting Regional EHV AC Transmission to HVDC</td>
<td>C. Lockwood, N. Koehler, B. Mehraban, R. Adapa, M. Salimi, F. Gomez, D. Woodford</td>
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<td>Refurbishment Strategies for Conventional SVC Stations Utilizing Modern Control Cooling and Thyristor Valves and Selective Main Circuit Replacements</td>
<td>M.A. Reynolds, B.C. Furumasu, A. Laughlin, R. Thorton, R. Broberg, A. Samadi</td>
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<td>IA</td>
<td>C5</td>
<td>PS1</td>
<td>Efficient Customer Aggregation using a Receding Horizon Optimization</td>
<td>A.J. Lamadrid, T. Mount, W. Jeon, H. Lu</td>
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## Additional Allotment (AA)

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<tr>
<th>TYPE OF ALLOTMENT (NCA, AA, IA)</th>
<th>STUDY COMMITTEE</th>
<th>PREF. SUBJECT (PS1, PS2, PS3)</th>
<th>TITLE OF THE SYNOPSIS</th>
<th>AUTHORS</th>
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<tr>
<td>AA</td>
<td>A1</td>
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<td>Forensic Analysis of Gas Turbine-generator Shaft Failures due to Possible Subsynchronous Resonance</td>
<td>J.D. Galvez, M.D. Urbina, D.J. Mader, J.B. Wisniewski</td>
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<tr>
<td>AA</td>
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<td>Machine Learning Tools in Support of Transformer Diagnostics</td>
<td>L. Cheim</td>
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<td>Developing and Using Justifiable Asset Health Indices for Tactical and Strategic Risk Management</td>
<td>S. Rhoads, J. White, T. McGrail</td>
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<td>AA</td>
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<td>Functional Testing of Digital Substations Based on IEC 61850 Process Bus</td>
<td>A. Apostolov</td>
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<td>Introducing an Automated Analysis Tool and Reproducible Workflow to Streamline Reliability Planning with Heterogeneous Investment Options</td>
<td>T. Nudell, E. Fan, A. Martin</td>
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<td>AA</td>
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<td>PS1</td>
<td>Distribution System Operator Cost Assessment</td>
<td>E.A. Paaso, S. Bahramirad</td>
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</tbody>
</table>
2018 Synopses Selection Process

1. 47 Abstracts Received and Forwarded to USNC Study Committee Reps for their Advisory Committee Review

2. Abstracts Reviewed and Scored with Following Criteria:
   - Relevance to SC Preferential Subjects
   - Technical Content
   - Clarity of Synopsis
   - Avoid Commercialism

3. Abstract Recommendations Combined and Overall Ranking Created with the Following Criteria:
   - Balance Between SCs and Preferential Subjects
   - Highest Recommendations of Reviewers
   - International, National and Additional Commitment Allotments Requirements

4. 30 Synopses Submitted to Paris; 27/30 (90%) Accepted for 2018, 93% for 2016, 87% for 2014, 83% for 2012
CIGRE USNC 2018 Grid of the Future (GOTF) Paper Process

• Call For Papers
  – Theme: Technology for the 21st Century Electric Utility
• No Abstract Step – Full Papers Only – Submitted by July 27, 2018
• Use Paper Preparation Template
GOTF Paper Evaluation Process

• Submitted Papers Forwarded to USNC Study Committee Reps for their Advisory Committee Review

• Evaluation Criteria
  – Novel and Innovative Technical Content (Concept with Implementation Results)
  – Clarity of Paper
  – No Commercialism
  – Adherence to Required Formatting (Use Paper Preparation Template)
Working Groups/Task Forces
Member Selection Process

• Interested candidates must have Individual Member dues paid and send CV
• Obtain email address for new WG Convener and submit candidates’ CVs directly to Convener
• Request Convener to confirm candidates' membership
• If no USNC candidates interested in a new WG, will ask new WG Convener for knowledge of US experts, and will contact them to see if they are interested in joining
• If more than two candidates are interested in same WG, set up a “shadow WG” within the USNC
Synthesis of the 2017 review

20 first countries
Working Group Conveners’ origins

34 countries provide WG Conveners on January 1, 2018

[Bar chart showing the distribution of WG Conveners by country and category]
Place of Women in CIGRE

Ladies in CIGRE WGs

25 first countries

Positions
Experts
Rate ladies/total country experts
Place of Women in CIGRE

Ladies Conveners

<table>
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<th>Country</th>
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Future CIGRÉ Meetings

2018 Events

CIGRE Paris Session – August 26 – 31

Registration closes August 10, 2018

GOTF – Washington, DC, October 28 – October 31

Paper Submittals Due
(Host – Dominion Energy)

REGISTER AT
cigre-usnc.org
What Can You Do?

• Become active in working groups!
  – Need Distribution Expertise as we expand in this area
• Invite a colleague to Join!
• Become a Collective Member
• Become a SPONSOR
  – GOTF
  – Paris
Big thank you!

Sharon Loe
Jessica Meadors

“The voice of CIGRE to our membership”
Discussion

USNC - CIGRE
Membership & Guests