



TRANSFORMERS COMMITTEE



February 3, 2016

Dear Committee Members and Guests:

You and your companion are cordially invited to Atlanta, Georgia to attend the Spring 2016 meeting of the IEEE/PES Transformers Committee, to be held March 20-24. This is our first meeting in Atlanta in over 30 years, and we look forward to welcoming you to the South!

HOTEL INFORMATION: Our meeting will be held in the heart of downtown Atlanta at the **Sheraton Atlanta Hotel**, 165 Courtland Street NE. Centennial Olympic Park, World of Coca-Cola, Georgia Aquarium and CNN are all within walking distance. Discounted guestroom rate at the Sheraton is US\$149, including complimentary internet in the guestrooms. Visit the Committee's website for a link to reserve a room, or if you call the hotel, mention "IEEE Transformers" to receive the group rate. The cut-off date for the group rate is Friday, February 26, but we expect the hotel to sell out before this date.

Overnight self-parking and valet parking are available at the hotel at an additional cost. Instead of renting a car, keep in mind that many "places of interest" are within walking distance, and transportation will be provided for all off-site events.

GETTING THERE: The Sheraton Hotel is located about 15 minutes from Hartsfield-Jackson International Airport (ATL). Taxi fare to downtown Atlanta is approximately US\$30 one-way. Super Shuttle service is also available. For more information, visit www.supershuttle.com. Atlanta's MARTA trains run from the airport to the Peachtree Center station. From there, the hotel is just a short walk. More information on MARTA schedules and maps can be found at www.martaguide.com.

MEETING REGISTRATION: Register on-line at www.transformerscommittee.org for social events, tours and the meeting. Register by Friday, February 26 to receive a \$50 early registration discount. The on-line registration system will be disabled on Wednesday, March 16 to print name badges and finalize counts. The cost to register on-site is substantially higher than the advance registration price.

WEATHER: Spring in Atlanta is very comfortable with an average high of 65°F/19°C and average low of 45°F/7°C. Spring showers may pop-up so bring an umbrella. Most of our events are indoors, and we are hoping for great weather during your visit! Dress for the meeting is business casual.

SATURDAY EARLY BIRD EVENT: Join us for an exciting dinner theater experience at **Agatha's Taste of Mystery**. Agatha's is just a short walk from the hotel, where we will enjoy the interactive show and a five-course dinner. The more adventurous can participate in the show. Attendance is limited to only 40 tickets for this outing, and we expect those to sell out early! See flyer for details.

SUNDAY EVENING WELCOME RECEPTION: Renew old friendships and form new ones! This reception will be held poolside in the Garden Courtyard at the Sheraton. A cash bar and plenty of fabulous food will be provided, along with entertainment by the band **The Past Tells**, who plays a variety of older pop, rock and folk music. Registered meeting attendees and companions are welcome to attend. Please indicate whether you will attend during the meeting registration process.

WEDNESDAY DINNER SOCIAL: We invite you to join us at the **Atlanta History Center (AHC)**. Explore the exhibits and grounds and enjoy a buffet dinner in the fabulous Grand Overlook Ballroom. Shuttle buses will run between the Sheraton and the AHC your convenience. See flyer for details.

SPOUSE/COMPANION TOURS: Monday's tour is entitled "What Dreams are Made Of" and includes visits to the **Martin Luther King Memorial** and the **Jimmy Carter Presidential Library**. Between museums, we will enjoy lunch at the famous **Mary Mac's Tea Room**, one of the last few remaining tea rooms that once dotted downtown Atlanta. Attendance is limited, so register early. See flyer for details.

Tuesday is the "Atlanta Must See" tour, where we will spend the morning exploring the **World of Coca-Cola** and be able to taste Coke products from around the world. Then the group heads to **Atlantic Station** for lunch at **The Pig & The Pearl**. In addition to lunch, Atlantic Station houses an eclectic collection of more than 50 shops. Following lunch, we move on to **CNN Studio** for a 50-minute walking tour. Again, attendance is limited, so register early and see flyer for details.

TECHNICAL TOURS: A factory tour of the **Hitachi HVB** high voltage circuit breaker factory, located in the town of Suwanee, just north of Atlanta, will be held on Sunday morning, March 20. Following our meeting on Thursday afternoon, March 24, our host, **Power Partners**, will conduct a tour of their overhead distribution transformer factory in Athens. Both tours are "by invitation only," but (new this meeting) you can indicate your desire to attend the tours when you register for the meeting. Someone from the associated factory will contact you shortly afterward, regarding your request.

ADDITIONAL MEETING INFORMATION: Along with this invitation letter, additional meeting information can be downloaded from the Committee's website at www.transformerscommittee.org:

- Meeting Registration Fee Summary. Use this as a guide to review the fees for each activity before you begin the on-line registration process. Instructions for individual event registrations and payment can be found on this page.
- Detailed Meeting Schedule and General Sessions Agenda. If any noteworthy changes are made, an updated schedule will be posted on the Committee's website a few days prior to the meeting.
- Other informational flyers, including those for the Saturday Early Bird event, Wednesday Dinner Social, Spouse/Companion Tours and technical presentations.

We look forward to seeing you at the Spring 2016 Meeting and are certain you will enjoy a good taste of southern hospitality in Atlanta!

Alan Traut

Power Partners, Inc.
200 Newton Bridge Road
Athens, Georgia 30607
atraut@ieee.org



IEEE/PES TRANSFORMERS COMMITTEE
Spring 2016 Meeting; Atlanta, Georgia USA
-- Meeting Registration Fees Summary --

Register on-line with credit card at www.transformerscommittee.org ("Next Meeting" page).
 Contact the Committee at transformers@ieee.org if an alternate form of payment is necessary.
 Each individual must register for meeting (with registration fee) to attend Sunday Reception or any social event or tour.
 Print a receipt at the end of the registration process. Paper receipts will NOT be provided at the meeting.
 Refund provided only if the request is received by Wednesday, March 16. Valid once confirmation email is received.
 US\$25 service charge for a refund of entire registration; or US\$10 for a partial refund.
 US Tax ID No. 13-1656633, Canadian Business No. 12563 4188, Euro Tax Registration No. EU826000081

REGISTRATION FEES -- all fees in US\$ dollars -- all fees stated are "per person"	On or Before February 26	After Feb 26, on or before March 16	On-site, at Meeting
MEETING REGISTRATION			
Attendee, IEEE member (will be verified with IEEE)	\$300	\$350	\$450
Attendee, not an IEEE member	\$350	\$400	\$500
Attendee, IEEE Life or Committee Emeritus (will be verified)	\$100	\$150	\$250
Spouse or Companion, and children age 12 and over	\$100	\$150	\$250
Attendee Registration Fee Includes: Entry into Meeting Area, Sunday Reception, coffee breaks, 4 breakfasts (M, T, W, Th) Spouse/Companion Registration Fee Includes: Sunday Reception, 4 breakfasts (Mon, Tues, Wed, Thurs)			
A Companion is a "significant other", boy/girlfriend, who is attending for <u>non-commercial</u> reasons, i.e., not attending the technical meetings, etc.). Spouses/companions & children (age 12 and over) must be registered for the meeting - with above meeting registration fees - to attend any tour or social event.			
RECEPTION & LUNCHEONS			
Sunday Evening Welcome Reception -- Indicate your plan to attend the reception when you register.	-- cost included in meeting registration fee --		
Monday Standards Development Luncheon -- All SC, WG, TF leaders are encouraged to attend. -- Buffet lunch; no need to choose a meal selection.	\$20	\$20	\$20
Tuesday Awards Luncheon -- Indicate a meal selection: beef, chicken, or vegetarian.	\$30	\$30	\$30
SOCIAL EVENTS (see flyers for details)			
Saturday Evening Early-Bird Event: Agatha's, A Taste of Mystery! ** -- 5-course dinner & social fun; 6-8 minute walk from the Sheraton.	\$45	\$45	--
Wednesday Dinner Social: Atlanta History Center -- Buffet dinner; no need to choose a meal selection.	\$80	\$80	\$80
** Attendance extremely limited. Register early!			
SPOUSE/COMPANION TOURS (see flyers for details)			
Monday: "What Dreams Are Made Of" -- MLK Memorial, etc. ***	\$50	\$50	--
Tuesday: "Atlanta's Must See Tour" -- World of Coca Cola, CNN ***	\$65	\$65	--
*** Both spouse/companions tours include lunch. Attendance limited. Register early!			
TECHNICAL TOURS			
Sunday Monday: Hitachi HVB Circuit Breaker Factory -- by invitation only; contact HVB directly ****			
Thursday Afternoon: Power Partners Transformer Factory -- by invitation only; contact Power Partners directly ****			
**** or indicate your desire to attend when you register on-line for the meeting. Someone from the factory will contact you soon.			

IEEE/PES TRANSFORMERS COMMITTEE**www.transformerscommittee.org****Spring 2016 Meeting; March 20-24****Hosted by Power Partners, Inc.****Sheraton Atlanta Hotel; Atlanta, Georgia USA**

See Page 5 for a key to abbreviations.

<u>DATE/TIME</u>	<u>ACTIVITY</u>	<u>SUB-COM</u>	<u>ACTIVITY CHAIR</u>	<u>ROOM CAP/ARR/AV</u>	<u>MEETING ROOM</u>
Friday, March 18					
1:00 pm - 5:00 pm >	IEC/IEEE HVDC Converter Transformers MT 60076-57-129	HVDC	U. Radbrandt	14 US	Suite #123 (Level 1)
Saturday, March 19					
> 8:00 am - 5:00 pm >	IEC/IEEE HVDC Converter Transformers	HVDC	U. Radbrandt	14 US	Suite #123
6:15 pm to 10:30 pm	<u>Early Bird Event</u> : "Agatha's, A Taste of Mystery!", interactive dinner theater (www.agathas.com) -- Advance on-line registration necessary. Limited attendance. Will sell-out early! See flyer for details. -- Meet in hotel lobby at 6:15 pm. We will walk together to Agatha's (5-6 minute walk). Return ~10:30 pm.				
Sunday, March 20					
> 8:00 am - 12:00 pm	IEC/IEEE HVDC Converter Transformers	HVDC	U. Radbrandt	14 US	Suite #123
9:00 am - 1:30 pm	<u>Technical Tour</u> : Hitachi HVB Circuit Breaker Facility, Suwanee, Georgia Facility. <u>By Invitation Only</u> . -- Bus departs <u>front of hotel</u> at 9:00 am; returns by 1:30 pm. Morning refreshments at factory; lunch after tour. -- Indicate interest to attend tour during on-line meeting registration, or ... contact Ms. Jackie Burtle at < jackieb@hvbi.com > or at +1.770.495.1755 ext 130.				
1:00 pm - <u>5:30 pm</u>	Meeting Registration				Capital Pre-function (Level 1)
2:00 pm - 5:30 pm	Administrative SC -- Closed meeting, by invitation only	Admin.	S. Antosz	26 US	Atlanta 1,2,3 (Level 1)
2:00 pm - 5:30 pm	NEMA Transformers -- Closed meeting, by invitation only	++	J. Caskey	18 US	Atlanta 4,5 (Level 1)
6:00 pm - 8:00 pm	Welcome Reception			475 Reception	Garden Courtyard (Poolside)
Monday, March 21 -- Monday Breaks Sponsored by SPX Transformer Solutions, Inc. **					
7:00 am - 5:00 pm	Meeting Registration				Capital Pre-function
<u>7:00 am</u> - 7:50 am	Newcomers Orientation -- Breakfast Meeting; arrive early! -- Newcomers & Guests are encouraged to attend!		S. McNelly	80 CL S2 (with buffet)	Atlanta 1,2,3 (Level 1)
<u>7:00 am</u> - 7:50 am	Distribution SC Leaders Coordination -- Closed breakfast meeting, by invitation only		S. Shull	16 BD	Atlanta 5 (Level 1)
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			272 RT (8/tbl)	Grand Ballroom AB (Level 3)
8:00 am - 9:30 am	Breakfast - Spouses/Companions (no meeting attendees please)			--	Fandangles Restaurant (Level 3)
9:15 am - 4:00 pm	<u>Spouses/Companions Tour</u> : "What Dreams Are Made Of"; MLK Memorial, J. Carter Library, etc. With lunch. -- Advance registration required. Limited attendance. See flyer for details. -- Bus departs at <u>front of hotel</u> at 9:15 am, and returns by 4:00 pm.				
8:00 am - 9:15 am >	Opening Session -- <u>All attendees</u> are encouraged to attend -- See separate document for meeting agenda -- Attendance recorded as eligibility for Committee membership		S. Antosz	>550 MX S1	Capital Ballroom (Level 1)
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Georgia & Capital Pre-function	

** Contact Ed Smith (edsmith@ieee.org) if you are interested in sponsoring a coffee-break at a future meeting.

<u>DATE/TIME</u>	<u>ACTIVITY</u>	<u>SUB-COM</u>	<u>ACTIVITY CHAIR</u>	<u>ROOM CAP/ARR/AV</u>	<u>MEETING ROOM</u>
Monday, March 21 (continued)					
9:30 am - 10:45 am	WG Thermal Evaluation of Insulation Systems, Dry Type C57.12.60	Dry	C. Ballard	60 MX	Georgia 4,5
9:30 am - 10:45 am	WG Submersible Transf. C57.12.24	UTNP	G. Termini	80 MX	Georgia 2,3
9:30 am - 10:45 am	WG External Dielectric Clearances	DiTests	E. Davis	120 MX S2	Atlanta 1,2,3
9:30 am - 10:45 am	WG Tertiary/Stabilizing Windings PC57.158	PCS	E. Betancourt	185 MX S3	Capital South
9:30 am - 10:45 am	TF Consolidation of Oil Guides	IF	T. Prevost	185 MX S3	Capital Center
9:30 am - 10:45 am	--			185 MX S3	Capital North
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Georgia & Capital	Pre-function
11:00 am - 12:15 pm	WG Ventilated Dry Type C57.12.51	Dry	S. Som	60 MX	Georgia 4,5
11:00 am - 12:15 pm	WG PD Acoustic Detection C57.127	DiTests	D. Gross	80 MX	Georgia 2,3
11:00 am - 12:15 pm	WG Overhead Distr. Transf. C57.12.20	Dist	A. Traut	120 MX S2	Atlanta 1,2,3
11:00 am - 12:15 pm	WG Control Cabinets C57.148	Power	J. Watson	185 MX S3	Capital South
11:00 am - 12:15 pm	WG Moisture in Insulation PC57.162	IL	T. Prevost	185 MX S3	Capital Center
11:00 am - 12:15 pm	WG PCS Rev. to Test Code C57.12.90	PCS	M. Perkins	185 MX S3	Capital North
12:15 pm - 1:30 pm	<u>Lunch Meeting:</u> Standards Development Review -- <u>Everyone</u> welcome to attend. All SC/WG/TF leaders are <u>highly encouraged</u> to attend. -- Doors open ~12:00 pm. Come early, get a good seat, and start eating. -- Advance registration necessary. No paper tickets. Admission verified with namebadge at the door.		J. Graham	238 RT (7/tbl)	Grand Ballroom AB (Level 3)
1:45 pm - 3:00 pm	WG Dry Type Gen. Require. C57.12.01	Dry	C. Ballard	60 MX	Georgia 4,5
1:45 pm - 3:00 pm	WG Sec. Network Protectors C57.12.44	UTNP	M. Faulkner	80 MX	Georgia 2,3
1:45 pm - 3:00 pm	WG 1-ph Padmount Dist Transf. C57.12.38	Dist	A. Ghafourian	120 MX S2	Atlanta 1,2,3
1:45 pm - 3:00 pm	TF Thru-Fault Current Duration PC57.109	PCS	V. Mehrotra	185 MX S3	Capital South
1:45 pm - 3:00 pm	WG Installation of Power Transf. C57.93	Power	M. Lau	185 MX S3	Capital Center
1:45 pm - 3:00 pm	TF Audible Sound Revision to Test Code	PCS	R. Girgis	185 MX S3	Capital North
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i>			Georgia & Capital	Pre-function
3:15 pm - 4:30 pm	WG Milli-amp Current Transf. C57.13.7	IT	H. Alton	60 MX	Georgia 4,5
3:15 pm - 4:30 pm	SC HVDC Converter Transformers and Smoothing Reactors	HVDC	M. Sharp	80 MX	Georgia 2,3
3:15 pm - 4:30 pm	WG 3-ph Padmount Dist Transf. C57.12.34	Dist	R. Stahara	120 MX S2	Atlanta 1,2,3
3:15 pm - 4:30 pm	WG Natural Ester-Based Fluids C57.147	IF	P. McShane	185 MX S3	Capital South
3:15 pm - 4:30 pm	WG Dielectric Freq. Response PC57.161	DiTest	A. Naderian	185 MX S3	Capital Center
3:15 pm - 4:30 pm	WG Transformer Capability with Non-sinusoidal Loads PC57.110	PCS	R. Marek	185 MX S3	Capital North
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			Georgia & Capital	Pre-function
4:45 pm - 6:00 pm	--			60 MX	Georgia 4,5
4:45 pm - 6:00 pm	WG PD in Bushings & PT/CTs PC57.160	DiTests	T. Hochanh	80 MX	Georgia 2,3
4:45 pm - 6:00 pm	WG Step-Voltage Regulators C57.15 / 60076-21	Dist	C. Colopy	120 MX S2	Atlanta 1,2,3
4:45 pm - 6:00 pm	--			185 MX S3	Capital South
4:45 pm - 6:00 pm	WG Life Extension C57.140	Power	P. Boman	185 MX S3	Capital Center
4:45 pm - 6:00 pm	WG PCS Revisions to C57.12.00	PCS	T. Ansari	185 MX S3	Capital North

No Technical Tours or Social Events Planned

<u>DATE/TIME</u>	<u>ACTIVITY</u>	<u>SUB-COM</u>	<u>ACTIVITY CHAIR</u>	<u>ROOM CAP/ARR/AV</u>	<u>MEETING ROOM</u>
Tuesday, March 22 -- Tuesday Breaks Sponsored by Delta Star Inc. **					
7:00 am - 12:00 pm	Meeting Registration				Capital Pre-function
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			272 RT (8/tbl)	Grand Ballroom AB
8:00 am - 9:30 am	Breakfast - Spouses/Companions (no meeting attendees please)			--	Fandangles Rest.
7:00 am - 7:50 am	EL&P Delegation (end-users only please) -- Breakfast Meeting; arrive early		J. Murphy	36 CL (with buffet)	Georgia 6 (Level 1)
9:15 am - 4:00 pm	<u>Spouses/Companions Tour</u> : "Atlanta's Must See Tour"; World of Coca-Cola, CNN Studio, etc. With lunch. -- Advance registration required. Limited attendance. See flyer for details. -- Bus departs at <u>front of hotel</u> at 9:15 am, and returns by 4:00 pm.				
	WG Functional Life Tests, De-energized Tap Changers (DETC) PC57.157	Power	Work complete.	Will not meet.	
8:00 am - 9:15 am	WG Station Service Voltage Transformers	IT	D. Wallace	60 MX	Georgia 4,5
8:00 am - 9:15 am	TF Limits for Winding Insulation PF/Resistance	DiTests	S. Tarlapally	80 MX	Georgia 2,3
8:00 am - 9:15 am	WG Enclosure Integrity C57.12.28, C57.12.29, C57.12.31, C57.12.32	Dist	D. Mulkey	120 MX S2	Atlanta 1,2,3
8:00 am - 9:15 am	TF Composite Bushings	Bush	J. Graham	185 MX S3	Capital South
8:00 am - 9:15 am	WG PD Detection in Dry Type Transformers C57.124	Dry	T. Prevost	185 MX S3	Capital Center
8:00 am - 9:15 am	WG Revision to C57.12.10	Power	G. Hoffman	185 MX S3	Capital North
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Georgia & Capital Pre-function	
	TF Committee History	Mtgs	Will not meet at this meeting.		
9:30 am - 10:45 am	WG Tests for Instrument Transf. C57.13.5	IT	P. Riffon	60 MX	Georgia 4,5
9:30 am - 10:45 am	WG 1-Ph Submersible Transf. C57.12.23	UTNP	A. Traut	80 MX	Georgia 2,3
9:30 am - 10:45 am	--			120 MX S2	Atlanta 1,2,3
9:30 am - 10:45 am	WG GSU Bushings PC57.19.04	Bush	S. Digby	185 MX S3	Capital South
9:30 am - 10:45 am	WG Shunt Reactors C57.21	PCS	S. Som	185 MX S3	Capital Center
9:30 am - 10:45 am	WG Wind Turbine Transf. P60076-16	PCS	D. Buckmaster	185 MX S3	Capital North
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Georgia & Capital Pre-function	
	WG Phase Shift Transf. 60076-57-1202	Power	Will not meet. Will update status in SC meeting.		
11:00 am - 12:15 pm	TF PLC Caps & CCVTs (currently C93.1)	IT	Z. Roman	60 MX	Georgia 4,5
11:00 am - 12:15 pm	WG Liquid-immersed Secondary Network Transformers C57.12.40	UTNP	B. Klaponski	80 MX	Georgia 2,3
11:00 am - 12:15 pm	WG Semiconductor Power Rectifier Transformers C57.18.10	PCS	S. Kennedy	120 MX S2	Atlanta 1,2,3
11:00 am - 12:15 pm	WG Distrib. Transf. Bushings PC57.19.02	Bush	S. Shull	185 MX S3	Capital South
11:00 am - 12:15 pm	--			185 MX S3	Capital Center
11:00 am - 12:15 pm	WG Loss Evaluation Guide C57.120	PCS	R. Verdolin	185 MX S3	Capital North
12:15 pm - 1:30 pm	<u>Awards Luncheon</u> -- Doors open ~12:00 pm. Come early, get a good seat, and start eating. -- Advance registration necessary. No paper tickets. Admission verified with namebadge at the door. All meeting attendees are encouraged attend. It's a great way to show your appreciation and help us recognize our accomplishments.		D. Platts	238 RT (7/tbl)	Grand Ballroom AB (Level 3)
1:45 pm - 3:00 pm	WG 3-ph Transf. Connections PC57.105	PCS	A. Bromley	60 MX	Georgia 4,5
1:45 pm - 3:00 pm	TF Tap-Changer C57.131 / 60214-1	Power	C. Colopy	80 MX	Georgia 2,3
1:45 pm - 3:00 pm	WG Distr. Substation Transf. C57.12.36	Dist	J. Murphy	120 MX S2	Atlanta 1,2,3
1:45 pm - 3:00 pm	--			185 MX S3	Capital South
1:45 pm - 3:00 pm	WG Revision to Low Frequency Tests	DiTests	B. Poulin	185 MX S3	Capital Center
1:45 pm - 3:00 pm	WG DPV Grid Transformers PC57.159	PCS	H. Shertukde	185 MX S3	Capital North
3:00 pm - 3:15 pm	<i>Break (beverages and Pretzels!)</i>			Georgia & Capital Pre-function	

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Tuesday, March 22 (continued)					
	WG Test Data Reporting C57.12.37	Dist	Work complete.	Will not meet.	
3:15 pm - 4:30 pm	--			60 MX	Georgia 4,5
3:15 pm - 4:30 pm	WG Tap-Changer Applic. Guide 60214-2	Power	C. Colopy	80 MX	Georgia 2,3
3:15 pm - 4:30 pm	Standard Terminal Markings C57.12.70	Stds	S. Shull	120 MX S2	Atlanta 1,2,3
3:15 pm - 4:30 pm	WG Std Require for Bushings C57.19.01	Bush	S. Zhang	185 MX S3	Capital South
3:15 pm - 4:30 pm	WG Application of High-Temp Insulation Materials, IEEE P-1276	IL	R. Wicks	185 MX S3	Capital Center
3:15 pm - 4:30 pm	TF Switching Transients Induced by Transf/Breaker Interaction PC57.142	PCS	J. McBride	185 MX S3	Capital North
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			Georgia & Capital Pre-function	
	TF for Cross Reference of IEEE to IEC	Stds	Will not meet at this meeting.		
4:45 pm - 6:00 pm	WG Dry Type Test Code C57.12.91	Dry	D. Foster	60 MX	Georgia 4,5
4:45 pm - 6:00 pm	--			80 MX	Georgia 2,3
4:45 pm - 6:00 pm	WG Tank Pressure Coordinat. C57.12.39	Dist	C. Gaytan	120 MX S2	Atlanta 1,2,3
4:45 pm - 6:00 pm	TF Short Circuit Design Criteria	PCS	D. Buckmaster	185 MX S3	Capital South
4:45 pm - 6:00 pm	WG Revision to Gas Guide C57.104	IF	R. Ladroga	185 MX S3	Capital Center
4:45 pm - 6:00 pm	WG Revisions to Impulse Test Sections of C57.12.00 and C57.12.90	DiTests	P. Riffon	185 MX S3	Capital North
No Technical Tours or Social Events Planned					
Wednesday, March 23 -- Wednesday Breaks Sponsored by DuPont **					
No Meeting Registration, No Technical Tours, No Spouse/Companion Tours					
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			272 RT (8/tbl)	Grand Ballroom AB
8:00 am - 9:30 am	Breakfast - Spouses/Companions (no meeting attendees please)			--	Fandangles Rest.
<u>7:00 am - 7:50 am</u>	SC Meetings Planning	Mtgs	G. Anderson	24 CL (with buffet)	Georgia 6 (Level 1)
<u>7:00 am - 8:30 am</u>	IEC TC-14 Technical Advisory Group -- Breakfast Meeting; arrive early -- All interested individuals welcome	++	P. Hopkinson	80 CL S2 (with buffet)	Atlanta 1,2,3
8:00 am - 9:15 am	SC Instrument Transformers	IT	R. McTaggart	80 MX S2	Atlanta 4,5
8:00 am - 9:15 am	SC Insulation Life	IL	S. Kennedy	350 MX S3	Capital Ballroom
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Capital Pre-function	
9:30 am - 10:45 am	SC Bushings	Bush	P. Zhao	<u>180 MX</u> S3	Atlanta 1,2,3
9:30 am - 10:45 am	SC Distribution Transformers	Dist	S. Shull	350 MX S3	Capital Ballroom
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Capital Pre-function	
11:00 am - 12:15 pm	SC UG Transf. & Network Protectors	UTNP	D. Mulkey	80 MX S2	Atlanta 4,5
11:00 am - 12:15 pm	SC Dielectric Tests	DiTests	M. Franchek	350 MX S3	Capital Ballroom
12:15 pm - 1:30 pm	Lunch (on your own)				
1:30 pm - 2:45 pm	SC Dry Type Transformers	Dry	C. Johnson	80 MX S2	Atlanta 4,5
1:30 pm - 2:45 pm	SC Power Transformers	Power	J. Watson	350 MX S3	Capital Ballroom
2:45 pm - 3:00 pm	<i>Break (beverages and treats)</i>			Capital Pre-function	
3:00 pm - 4:15 pm	SC Insulating Fluids	IF	D. Wallach	180 MX S3	Atlanta 1,2,3
3:00 pm - 4:15 pm	SC Performance Characteristics	PCS	E. teNyenhuis	350 MX S3	Capital Ballroom
4:15 pm - 4:30 pm	<i>Break (beverages only)</i>			Capital Pre-function	
4:30 pm - 5:45 pm	SC Standards	Stds	J. Murphy	350 MX S3	Capital Ballroom
6:00 pm - 10:00 pm	<u>Dinner Social</u> : Atlanta History Center. Advance registration required. See flyer for more information. -- Doors of museum open at 6:30 pm; with buffet dinner served at 7:30 pm. Cash bar provided. -- Paper tickets will not be provided. Admission verified with namebadges as you enter the museum. -- Buses begin loading at <u>front of the hotel</u> at 6:00 pm, <u>last bus departs at 6:45 pm</u> . -- After the event, buses begin loading at the Center at 9:00 pm, last bus departs at 10:00 pm.				

** Contact Ed Smith (edsmith@ieee.org) if you are interested in sponsoring a coffee-break at a future meeting.

KEY

Note: A PC projector will be furnished in each meeting room. Arrive early to ensure equipment operates/syncs correctly.

> -- activity continued into another session / from another session

++ -- not a Transformers Committee activity TBD = "To Be Determined"

FC = flip chart; S1 = sound (special set-up)

S2 = stand mic in front only; S3 = one stand mic in front & stand mic(s) at mid-room

BD = boardroom; US = U-shape

RT = multiple roundtables

CL = classroom seating (w/head table for 2)

TH = theater seating (w/head table for 2)

MX = mix classroom & theater (w/head table)

SUBCOMMITTEES

Bush	Bushings	HVDC	HVDC Converter Transformers and Smoothing Reactors	Mtgs	Meetings
DiTests	Dielectric Tests			Power	Power Transformers
Dist	Distribution Transformers	IF	Insulation Fluids	UTNP	Underground Transformers and Network Protectors
Dry	Dry Type Transformers	IL	Insulation Life		
		IT	Instrument Transformers	Stds	Standards

Thursday, March 24

No Meeting Registration, No Spouses/Companions Tours, No EPRI TF Meeting				
7:00 am - <u>9:30 am</u>	Breakfast - Attendees & Spouses/Companions Combined Breakfast on Thursday!			<u>300</u> RT (8/tbl) Garden Courtyard (Poolside)
8:00 am - 9:15 am	Technical Presentation #1: "DGA Analysis, New Tools Such As The Duval Pentagon", by M. Duval, et al. See flyer on website		400 MX S1	Capital Ballroom (Level 1)
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Capital Pre-function
9:30 am - 10:45 am	Technical Presentation #2: "Application Guide for DPV Transformers" by C. Gaytan, S. Kennedy, H. Shertukde. See flyer on website.		400 MX S1	Capital Ballroom
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Capital Pre-function
> 11:00 am - 12:00 pm	Closing Session -- <u>All attendees</u> are encouraged to attend -- See separate document for meeting agenda	S. Antosz	400 MX S1	Capital Ballroom
Lunch on your own				
12:30 pm - 8:00 pm	<u>Technical Tour</u> : Power Partners, Inc. Transformer Factory; Athens, Georgia. <u>By Invitation Only</u> . -- Bus departs <u>front of hotel</u> at 12:30 pm; returns by 8:00 pm. Box lunch on bus; dinner on return to hotel. -- Indicate interest to attend tour during on-line meeting registration, or ... contact Ms. Meghan Monty at <meghan.monty@powerpartners-usa.com> or at +1.706.548.3121 ext 231.			

Friday, March 25

No Committee Meetings, No Technical Tours, No EPRI TF Meeting				
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** Contact Tom Prevost (tprevost@ieee.org) if you are interested in making a technical presentation at a future meeting.

FUTURE COMMITTEE MEETINGS

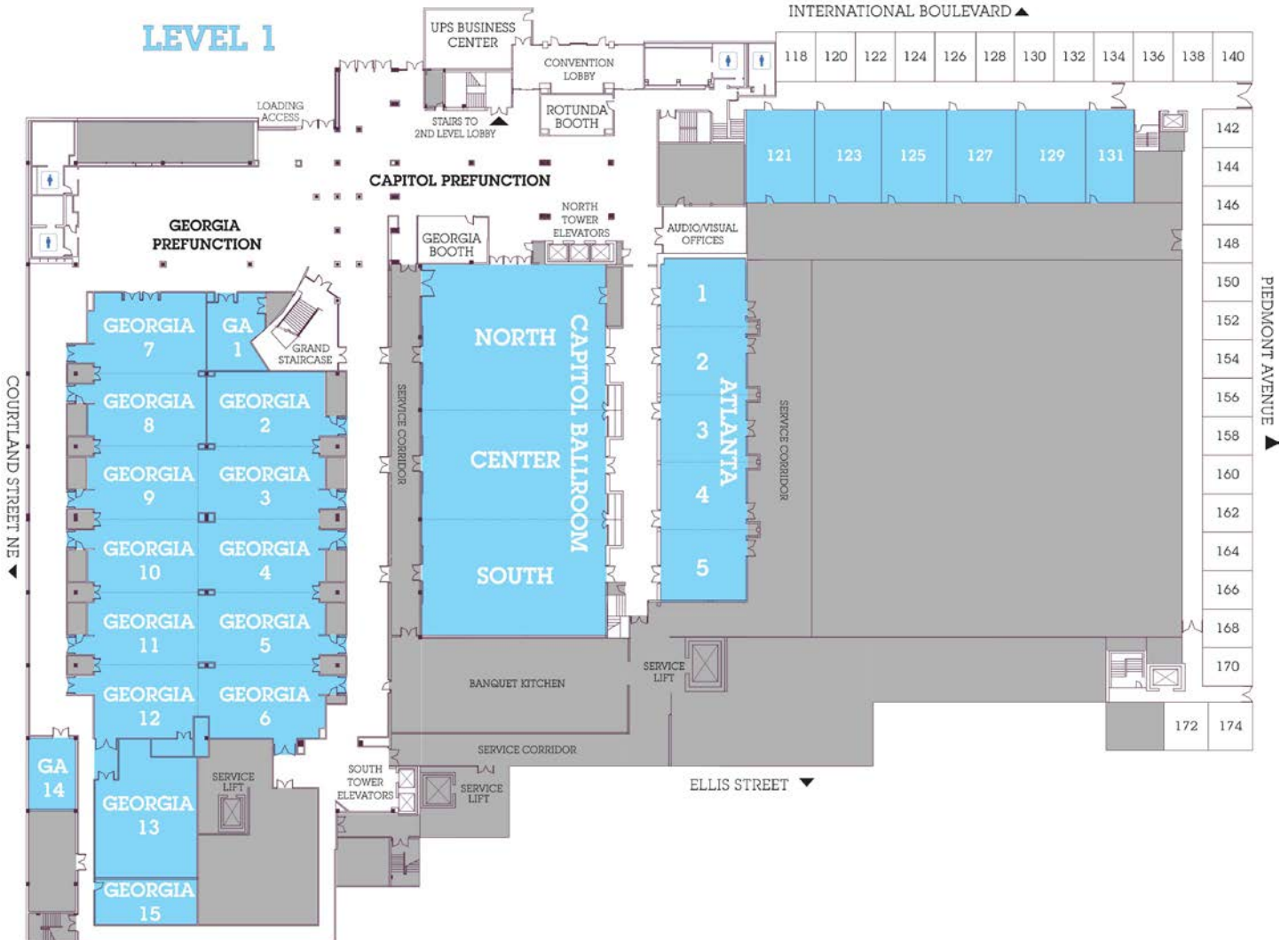
Fall 2016 - October 23-27; Vancouver, B.C. Canada

Spring 2017: March 26-30 or April 2-6; Location TBD

Fall 2017: October 15-19 or 22-26; Location TBD

Sheraton Atlanta Hotel

165 Courtland Street NE; Atlanta, Georgia 30303 USA
(404) 659-6500



Level 3

Grand Ballroom: breakfasts and lunches
Fandangles Restaurant: Spouses/Companions Breakfasts

Level 2

Hotel Lobby
Garden Courtyard, Poolside: Sunday Reception & Friday Breakfast

Level 1

Meeting Registration
Capital Ballroom (North, South & Center)
Atlanta Rooms
Georgia Rooms
Suite #123

IEEE/PES TRANSFORMERS COMMITTEE

Spring 2016 Meeting; Atlanta, Georgia, USA

Preliminary Agenda - General Sessions

Chair: Stephen Antosz **Vice Chair:** Sue McNelly **Secretary:** Bruce Forsyth

Treasurer: Greg Anderson **Awards Chair/Past Chair:** Don Platts **Standards Coordinator:** Jim Graham

Opening Session

Monday, March 21: 8:00 am - 9:15 am

(rosters circulated and attendance recorded as eligibility for Committee membership)

1. Welcome and Announcements Stephen Antosz
2. Approval of Agenda Stephen Antosz
3. Approval of Minutes from Fall 2015 Meeting Stephen Antosz
4. Chair's Report Stephen Antosz
5. Vice Chair's Report Sue McNelly
6. Secretary's Report Bruce Forsyth
7. Treasurer's Report Greg Anderson
8. Administrative Subcommittee Meeting Report Stephen Antosz
9. Standards Report Jim Graham
10. Editor's Report Sanjib Som
11. Liaison Representative Reports
 - 11.1. CIGRE Raj Ahuja
 - 11.2. IEC TC-14 Technical Advisor to USNC Paul Jarman
 - 11.3. Standards Coordinating Committee, SCC No. 18 (NFPA/NEC) Ned Brush
 - 11.4. Standards Coordinating Committee, SCC No. 4 (Electrical Insulation) Paulette Payne Powell
12. Hot Topics for the Upcoming Week Subcommittee Chairs
13. New Business & Wrap-up Stephen Antosz

Closing Session

Thursday, March 24: 11:00 am - 12:00 pm

1. Chair's Remarks and Announcements Stephen Antosz
2. Meetings Planning Subcommittee Greg Anderson
3. Reports from Technical Subcommittees (decisions made during the week)
 - 3.1. Standards Jerry Murphy
 - 3.2. Underground Transformers & Network Protectors Dan Mulkey
 - 3.3. Bushings Peter Zhao
 - 3.4. Dielectric Tests Mike Franchek
 - 3.5. Distribution Transformers Steve Shull
 - 3.6. Dry Type Transformers Chuck Johnson
 - 3.7. HVDC Converter Transformers & Reactors Mike Sharp
 - 3.8. Instrument Transformers Ross McTaggart
 - 3.9. Insulating Fluids David Wallach
 - 3.10. Insulation Life Sheldon Kennedy
 - 3.11. Performance Characteristics Ed teNyenhuis
 - 3.12. Power Transformers Joe Watson
4. Additional Report from Standards Subcommittee (issues from the week) Jim Graham
5. New Business (continued from Monday) and Wrap-up Stephen Antosz



EARLY BIRD EVENT Saturday, March 19th, 2016

Agatha's – A Taste of Mystery



Early arrivers can expect a thrilling evening at **Agatha's, A Taste of Mystery** where performers will present *Scandal & Murder in the House of Cards!* For over 25 years, Agatha's has been entertaining Atlanta with its unique, original and hilarious murder mysteries. They've been featured on various TV shows, and their actors are some of the funniest and most talented in the Southeast. Their special brand of comedic murder mysteries are centered on making sure that the audience is always laughing. Agatha's serves a five-course meal every night. Start with appetizers and mingle, then give your order for a house-made soup, salad, main course and a dessert and enjoy the show.



Attire is "dressy casual". The show and food get great reviews on Trip Advisor! www.agathas.com

Itinerary

- 6:15 pm: Meet in lobby of the Sheraton for ticket distribution
- 6:30 pm: Depart from the Sheraton Hotel; walk 1-1/2 blocks
- 6:40 pm: Arrive at Agatha's - A Taste of Mystery (approximate time)
- 6:45 pm: Welcome, assign roles, enjoy appetizers, order dinner
- 7:30 pm: Dinner and Theatre
- 10:30 pm: Return to hotel (approximate time)



Reception/Dinner Menu (5 Courses)

Please advise of any dietary restrictions when registering. Vegetarian or gluten-free accommodated.

- Hors d'oeuvres, hot and cold appetizers
- Soup (chef's selection, but most recently served Vanilla Parsnip)
- Fresh Garden Salad
- Choice of Entrée: Creamy Chipotle Chicken, Italian Chicken Marinara, Fresh Atlantic Salmon, Beef Tenderloin, Fresh Mahi-Mahi Filet, or Pork Tenderloin
Each entrée served with Squash Medley, Au Gratin Potatoes with Fontina and Sharp Cheddar Cheese, Fresh Yeast Rolls. *Entrée selections subject to change.*
- Dessert (most recently served Tres Leches Cake)

Cash bar available and ATM onsite.

No credit card charges at cash bar for less than \$20, and 18% gratuity will be added.

Attendance extremely limited... REGISTER EARLY!





SPOUSE/COMPANION TOUR Monday, March 21st, 2016

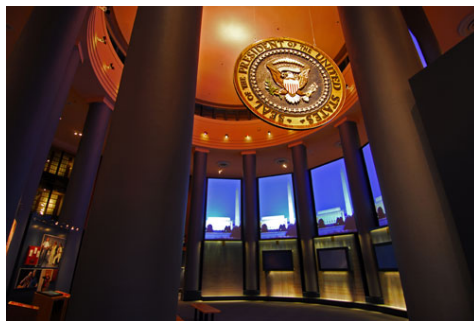


What Dreams Are Made of Tour

Join us for a ***“What Dreams Are Made Of”*** tour, starting off with a visit to the **Martin Luther King, Jr. Memorial** in downtown Atlanta. Then we enter the **National Visitor Center** for Dr. King, Jr., followed by a tour of **The King Center**. www.thekingcenter.org



After our morning tour, the next stop is **Mary Mac’s Tea Room** for lunch. Opened in 1945, it is the last of 16 tea rooms that dotted downtown Atlanta. For over 70 years Mary Mac’s has been setting the standard for Southern cooking in Atlanta. Business people, celebrities, families and world travelers all dine at Mary Mac’s and feel right at home. In fact, in March of 2011, the Georgia House of Representatives created Resolution 477, in which Mary Mac’s was officially declared to be *Atlanta’s Dining Room*, an honor of which we are very proud, yet extremely humbled, and to which only one restaurant in the world may lay claim. www.marymacs.com



We conclude our day with a visit to the **Jimmy Carter Presidential Library & Museum**, which consists of an archives and a museum. The archives is a repository of approximately 27 million pages of Jimmy Carter's White House material, papers of administration associates, including documents, memoranda, correspondence, etc. The museum includes photographs and historical memorabilia from the Carter presidency (1976 - 1981). An exact replica of the Oval Office and gifts received by the Carters are also featured. www.jimmycarterlibrary.gov

Itinerary

- 9:15 am: Depart on bus from Atlanta Sheraton Hotel
- 9:25 am: Arrive at Martin Luther King, Jr. Memorial and tour The King Center at your leisure
- 11:00 am: Depart for Mary Mac’s Tea Room for lunch
- 1:30 pm: Depart for Jimmy Carter Presidential Library & Museum
- 1:45 pm: Arrive at Jimmy Carter Presidential Library & Museum and tour at your leisure
- 3:45 pm: Board bus for trip back to the hotel
- 4:00 pm: Return to hotel

Buffet Lunch Menu

Please advise of any dietary restrictions when registering; vegetarian or gluten-free accommodated.

- Entrée selections will include two items, such as Oven Roasted Turkey with Cornbread Dressing & Gravy, Pan Fried Cube Steak with Brown Gravy or Chicken & Dumplings
- Southern side items such as green beans, macaroni & cheese, creamed corn, etc.
- Georgia Peach Cobbler

Attendance will be limited... REGISTER EARLY!





Spouse/Companion Tour

Tuesday, March 22nd, 2016

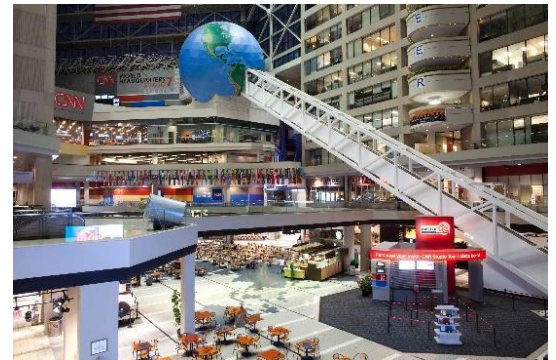
Atlanta's Must See Tour!



Start the morning at the **World of Coca-Cola**. You'll have a chance to taste Coke beverages from countries around the world and step inside a real bottling line. www.worldofcoca-cola.com

Next we head over to **The Pig & The Pearl** restaurant for lunch. The Pig & The Pearl is located at Atlantic Station, which features an eclectic assortment of more than 50 shops featuring a walkable streetscape-style setting with brick paved streets and Central Park. The compact setting features great

boutiques, sidewalks cafes, and hip restaurants, making it the perfect destination for visitors. www.thepigandthepearl.com



Our tour will then head to the **CNN Studio**. The Inside CNN Studio Tour is a 50-minute walking tour that descends 8 flights of stairs. Elevator assisted tours are available. www.cnn.com

Itinerary

- 9:15 am: Depart on bus from Atlanta Sheraton Hotel
- 9:25 am: Arrive at World of Coca-Cola and tour at your leisure
- 11:00 am: Depart for The Pig & The Pearl for lunch
- 1:30 pm: Depart for CNN Studios
- 1:45 pm: Tour CNN Studios with tour guide (25/guide)
- 3:30 pm: Board bus for trip back to the hotel
- 4:00 pm: Return to hotel

Buffet Lunch Menu

- Choice of cup of soup of the day OR Cobb salad
- Choice of Entrée: Pulled pork sandwich with fries; Trout sandwich with fries; Smoked turkey sandwich with fries; Brisket plate with grilled spring onions and beef & potato hash (gluten-free); House cure pastrami sandwich with fries; ½ pound Angus burger with fries; Farm fresh vegetable plate, including house sweet potatoes, roasted beets, creamed kale, sautéed green beans
- Plates of house made cookie platters served family style
- Soft drinks and iced tea

Attendance will be limited... REGISTER EARLY!





DINNER SOCIAL Wednesday, March 23rd, 2016

Atlanta History Center



Located on 33 acres in the heart of historic Buckhead, the **Atlanta History Center** houses two museums, six historic gardens, two historic houses and the Kenan Research Center. Spend time before dinner enjoying the current permanent exhibits in one of the largest history museums in the nation: the History of Bobby Jones, Olympic History and the Civil War along with other temporary exhibits such as Native Lands and Stars Fall on Atlanta.



Actors in period costumes will entertain you with music and tales of times gone by. A buffet dinner will be served in the Grand Overlook Ballroom, one of the most beautiful ballrooms in Atlanta, overlooking an illuminated garden. After dinner, you are welcome to continue your tour through the museum. Cash bar available and credit cards are accepted.

www.atlantahistorycenter.com

Itinerary

- 6:00 pm: Buses begin to depart from Atlanta Sheraton Hotel lobby; last bus departs hotel at 6:45 pm
- 6:30 pm: First bus arrives at Atlanta History Center - enjoy the exhibits and cocktail hour!
- 7:30 pm: Buffet Dinner begins; feel free to visit the exhibits after dinner
- 9:00 pm: First bus departs for the hotel
- 10:00 pm: Last bus departs for the hotel



Reception/Dinner Menu

Please advise of any dietary restrictions when registering; vegetarian, gluten-free and others can be accommodated.

- Salad
- Pork Loin or Chicken with a Selection of Vegetables
- Peach Cobbler

Attendance will be limited... REGISTER EARLY!



Technical Tour - Sunday, March 20 (by Invitation Only)

Hitachi High Voltage Circuit Breaker Factory Tour including technical presentations about Transformer Manufacturing Processes and Phase-Shifting Transformers

Hitachi HVB, Inc. cordially invites you to our Suwanee, Georgia facility on Sunday morning, March 20, 2016. HVB manufactures a full range of high voltage circuit breakers, including a 72.5 kV vacuum circuit breaker. The tour will cover several aspects of the circuit breaker manufacturing process. In addition, technical papers on transformer-related topics will be presented.



Tour and Luncheon Schedule

- 9:00 am: Bus departs the Sheraton-Downtown Atlanta
- 9:45 am: Arrive at Hitachi HVB, Inc.
- 9:45 am - 10:00 am: Greeting (with Morning Refreshments)
- 10:00 am - 11:30 am: Breaker Factory Tours and Technical Sessions
- 11:30 am - 12:15 pm: Luncheon
- by 1:30 pm: Arrive Sheraton-Downtown Atlanta

BY INVITATION ONLY

Hitachi HVB, Inc. reserves the right to accept or deny any individual or direct competitor from attending.

Indicate your desire to attend the tour when registering for the IEEE meeting or contact Ms. Jackie Burtle at +1.770.495.1755 x130 or jackieb@hvbi.com.

No cameras please.
Spouses/Companions are welcome!

Please inform us of any dietary restrictions when you register for the tour.

Technical Tour | Thursday, March 24 | by invitation only



Power Partners, Inc., is proud to present a technical tour of our Athens, Georgia facility Thursday, March 24, 2016.

Power Partners is a leading manufacturer of overhead and submersible distribution transformers. Our vision is to transform the world through innovative manufacturing.

Power Partners' team-based approach allows for creative thinking around improvements in safety, quality, delivery & cost.



12:30 pm: Bus departs from Sheraton Atlanta Hotel
Box lunch provided before boarding

2:00 pm: Arrive at Power Partners, Inc.

2:00 pm - 5:00 pm: Welcome, plant overview, plant tour, Q&A

5:00 pm: Depart for The Varsity, the World's Largest Drive In, serving customers in the Atlanta area since 1928

5:10 pm - 6:00 pm: Dinner at The Varsity
Hamburgers, our famous chili dogs, onion rings, French fries, fried pies, chicken salad, frosty orange

6:00 pm: Depart for Sheraton Atlanta Hotel

by 8:00 pm: Arrive at hotel

By Invitation Only

Power Partners, Inc., reserves the right to accept or deny any individual or direct competitor from attending.

Indicate your desire to attend the tour when registering for the IEEE meeting or contact:

Ms. Meghan Monty at +1.706.548.3121 ext. 231

or meghan.monty@powerpartners-usa.com

Spouses / Companions are welcome!

Safety policy requires closed-toed shoes, no jewelry.