



SPRING 2015 TRANSFORMERS COMMITTEE MEETING



March 5, 2015

Dear Committee Members and Guests:

You and your companion are cordially invited to attend the upcoming Spring 2015 meeting of the IEEE/PES Transformers Committee, to be held April 12–16 in San Antonio. This is our first meeting in San Antonio, and we are looking forward to a productive meeting along with a little Southwest culture.

Our meeting will be held at the beautiful Hyatt Regency San Antonio Riverwalk, 123 Losoya Street, San Antonio, Texas. The hotel is located directly on the unforgettable "Paseo del Rio", or River Walk, and only a few steps from the historic Alamo.

This is our first "host-less" meeting — a beta project to explore diverse methods of meeting in different cities, regardless of geographical location or technical presence. We have some tours and social events planned; however, since the city offers so much to see and experience, we left some time for you to venture out and discover what San Antonio has to offer.

HOTEL INFORMATION: Discounted guestroom rate at the Hyatt is US\$169, including complimentary internet in the guest rooms. Just mention "IEEE Transformers" to receive the group rate or visit the Committee's web site for a link to reserve a room. The cut-off date for this group rate is March 20, but we expect the hotel to sell-out before then. Self-parking for guests staying at the hotel is discounted US\$20 per day; valet parking is also available at an additional cost. Instead of renting a car, however, we encourage you to get out and stroll around and perhaps try the river taxis which cruise up and down the River Walk. **NOTE:** There are eight (8) Hyatt hotels in San Antonio, including three (3) located on the River Walk. Please ensure you have reservations at the correct hotel (123 Losoya Street).

GETTING THERE: The Hyatt Regency Riverwalk is located in downtown San Antonio, 9 miles/14.5 km (~15 minutes) south from San Antonio International Airport (Code "SAT"). Taxi fare is ~US\$30 one-way (per vehicle, not per passenger), and taxis can be hired curbside at both terminals.

MEETING REGISTRATION: Register on-line at www.transformerscommittee.org for social events, tours and the meeting. Register by Friday, March 20 to receive a \$50 early registration discount. The on-line registration system will be disabled on Wednesday, April 8 to print name badges and finalize counts. The cost to register on-site is substantially higher than the advance registration price.

WEATHER: We expect weather for this spring meeting to be fantastic (for a change!). Typically in San Antonio, you can expect average daytime highs of 80°F/27°C, with average nighttime lows of 60°F/15°C. They tell us it never rains in San Antonio in mid-April, and we're looking forward to a spectacular Wednesday evening dinner social, set in an outdoor courtyard and garden. Dress is business casual.

SATURDAY EARLY BIRD EVENT: Remember what fun we had in Savannah, harassing the piano players? Let's do it again! For those arriving on Saturday, we will walk to **Casa Rio Restaurant** (located 4–5 blocks from the Hyatt) for a tasty Mexican buffet dinner then continue to the popular **Howl at the Moon** for an evening of music and laughs (and maybe a few beverages). We have tables reserved and attendance is limited, so register early for this outing. See the flyer for more details.

SUNDAY EVENING RECEPTION: Join us at the Sunday evening reception in the Hyatt Hotel's **Regency Ballroom** for this renewal of old friendships and formation of new ones. A cash bar and TONS of fabulous food will be provided, along with a Latin jazz ensemble for your listening enjoyment. Indicate your intention to attend this event during the on-line registration process.

TUESDAY AWARDS LUNCHEON: Join fellow meeting attendees for an Awards Luncheon to recognize the hard work of your peers. This event has been popular lately, and Bill Chiu has done an excellent job of keeping the awards presentation fun and inspiring.

WEDNESDAY DINNER SOCIAL: We invite you to join us for dinner and camaraderie at the scenic **Jack Guenther Pavilion** at the **Briscoe Western Art Museum**. Follow the "human arrows" for an easy stroll over to the museum. Our local cuisine dinner menu will consist of roasted and smoked meats, Texas BBQ beef ribs, quail bites, crawfish and grilled corn hushpuppies, jalapeno biscuits, country potato salad and Texas farmed vegetables. Sound interesting? Wait until you taste the peach cobbler! Although the food, outdoor atmosphere and contemporary country trio are highlights of the evening, the art museum gets great reviews on Tripadvisor.com. Although most of us will walk, a shuttle bus will run all evening between the Hyatt and the museum if transportation is necessary. See the flyer for more details.

SPOUSE/COMPANION TOURS: The highlight of the Monday Tour will be spending time with a local celebrity, Ms. Blanca Aldaco, as she demonstrates how to make the perfect enchilada AND quite likely the best margarita you've ever tasted! Blanca conducts some 200–250 demonstrations each year and bills her classes as "the ultimate souvenir" of a San Antonio visit. Register early as attendance is limited.

Tuesday will start with a walking tour of the Alamo and other popular locations and continue with a privately chartered cruise on the San Antonio River Walk. River barges will take you to a bar-b-que lunch at the popular **Country Line** (yes, more meat!). We will finish a bit earlier than usual, giving you the opportunity to further explore the River Walk and take in an optional tour of the **Buckhorn Saloon**. Again, see the flyers for more details.

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 form. 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 session 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 Thursday technical presentations.

We look forward to seeing you at the Spring 2015 Meeting, and we are certain you will enjoy your memorable visit to San Antonio!

Best regards,

*IEEE Transformers Committee
Meetings Planning Subcommittee*

IEEE/PES TRANSFORMERS COMMITTEE
Spring 2015 Meeting; San Antonio, Texas USA
-- Meeting Registration Summary and Fees --

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, April 8. 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 March 20	After March 20, on or before April 8	On-site, at Meeting
MEETING REGISTRATION			
Attendee, IEEE member (will be verified with IEEE)	\$275	\$325	\$425
Attendee, not IEEE member	\$300	\$350	\$450
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 (M, T, W, Th)			
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 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: Howl at the Moon ** with buffet dinner at nearby Casa Rio Restaurant -- 4 to 5 min walk from hotel, or taxi if desired	\$40	\$40	--
Wednesday Dinner Social: Jack Guenther Pavilion at the Briscoe Western Art Museum, includes access to museum -- Buffet dinner; no need to choose a meal selection.	\$75	\$75	\$75
** Attendance limited. Register early!			
SPOUSE/COMPANION TOURS (see flyers for details)			
Monday: Cooking San Antonio Style ***	\$85	\$85	--
Tuesday: Cruising Through History Tour ***	\$65	\$65	--
*** Both spouse/companions tours include lunch. Attendance limited. Register early!			
TECHNICAL TOURS			
No technical tours planned at this meeting.			

IEEE/PES TRANSFORMERS COMMITTEE
www.transformerscommittee.org
Spring 2015 Meeting; April 12-16
Hyatt Regency San Antonio Riverwalk; San Antonio, Texas USA

NOTES: See Page 4 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, April 10					
8:00 am - 6:00 pm >	IEEE/IEC HVDC Transformers	HVDC	U. Radbrandt	18 US	Blanco (Hill Country Level)
1:00 pm - 5:00 pm >	IEEE/IEC Joint Review WG Step-Voltage Regulators C57.15 / 60076-21	Dist	C. Colopy	18 US	Pecan (Hill Country Level)
Saturday, April 11					
8:00 am - 6:00 pm	IEEE/IEC HVDC Transformers	HVDC	U. Radbrandt	18 US	Chula Vista (Lobby Level)
> 8:00 am - 5:00 pm >	IEEE/IEC Joint Review WG Step-Voltage Regulators C57.15 / 60076-21	Dist	C. Colopy	18 US	Pecan (Hill Country Level)
6:00 pm until ??	<u>Early Bird Event:</u> Dinner at Casa Rio Restaurant, then fun (and pianos!) at Howl at the Moon. -- Advance registration necessary. Limited attendance. Will sell out early! See flyer for details. -- Meet in hotel lobby at 5:45 pm. We will walk together to Casa Rio (4-5 minute walk). -- Room at Casa Rio opens at 6:00 pm; dinner served at 6:30. Must arrive at Howl at the Moon <u>before 8:00 pm</u> .				
Sunday, April 12					
1:00 pm - <u>5:30 pm</u>	Meeting Registration				Los Rios Foyer (Ballroom Level)
2:00 pm - 5:30 pm	Administrative SC -- Closed meeting, by invitation only	Admin.	D. Platts	28 US	Chula Vista (Lobby Level)
<u>2:00 pm</u> - 5:30 pm	NEMA Transformers -- Closed meeting, by invitation only	++	C. Drexler	20 US	Live Oak (Hill Country Level)
6:00 pm - 8:00 pm	Welcome Reception			450 Reception	Regency Ballroom (Ballroom Level)
Monday, April 13 -- Monday Breaks Sponsored by Niagara Transformer Corp. **					
7:00 am - 5:00 pm	Meeting Registration				Los Rios Foyer (Ballroom Level)
<u>7:00 am</u> - 7:50 am	Newcomers Orientation -- Breakfast Meeting; arrive early! -- Newcomers & Guests are encouraged to attend!		S. Antosz	42 CL S2 (with buffet)	Rio Grande West (Ballroom Level)
7:00 am - 7:50 am	Distribution SC Leaders Coordination -- Closed breakfast meeting, by invitation only		S. Shull	16 BD	Pecos (Hill Country Level)
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			252 RT (9/tbl)	Regency East and Foyer
8:00 am - 9:30 am	Breakfast - Spouses/Companions (no meeting attendees please)			96 RT (8/tbl)	Garden Terrace
9:15 am - 4:00 pm	<u>Spouses/Companions Tour:</u> "Cooking San Antonio Style" -- Advance registration required. Limited attendance. -- Bus departs Hyatt at 9:15 am, and returns before 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		D. Platts	250 CL S1 300 TH 550 TOTAL	Regency Center/West
9:15 am - 9:30 am	Break (beverages only)			Regency Foyer	

** Contact Joe Watson (joe_watson@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, April 13 (continued)					
	WG Failure Analysis & Report. C57.125	Power	Ballot resolution group formed.		Meeting elsewhere.
9:30 am - 10:45 am	TF Winding Temp. Indicators	IL	P. McClure	50 MX	Pecan
9:30 am - 10:45 am	WG Submersible Transf. C57.12.24	UTNP	G. Termini	60 MX	Chula Vista
9:30 am - 10:45 am	WG External Dielectric Clearances	DiTests	E. Davis	36 CL S2 40 TH	Live Oak
9:30 am - 10:45 am	WG Tertiary/Stabilizing Windings PC57.158	PCS	E. Betancourt	36 CL S2 50 TH	Rio Grande West
9:30 am - 10:45 am	TF Consolidation of Oil Guides	IF	T. Prevost	125 CL S3 100 TH	Regency Center
9:30 am - 10:45 am	WG Revision to C57.12.10	Power	G. Hoffman	125 CL S3 100 TH	Regency West
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Regency Foyer	
11:00 am - 12:15 pm	WG Ventilated Dry Type C57.12.51	Dry	S. Som	50 MX	Pecan
11:00 am - 12:15 pm	WG PD Acoustic Detection C57.127	DiTests	D. Gross	60 MX	Chula Vista
11:00 am - 12:15 pm	WG Overhead Distr. Transf. C57.12.20	Dist	A. Traut	76 MX S2	Live Oak
11:00 am - 12:15 pm	WG Installation of Power Transf. C57.93	Power	M. Lau	86 MX S2	Rio Grande West
11:00 am - 12:15 pm	WG Moisture in Insulation PC57.162	IL	T. Prevost	225 MX S3	Regency Center
11:00 am - 12:15 pm	WG PCS Rev. to Test Code C57.12.90	PCS	M. Perkins	225 MX S3	Regency West
12:15 pm - 1:30 pm	<u>Lunch Meeting:</u> Standards Development Review		B. Bartley	200 RT (8/tbl)	Regency East
	-- <u>Everyone</u> is 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.				
	-- Registration necessary. No paper tickets. Admission verified at the door.				
	WG Determination of Winding Temp Rise	IL	Resolving ballot comments.		Meeting elsewhere.
1:45 pm - 3:00 pm	WG Dry-Type Gen. Require. C57.12.01	Dry	T. Holdway	50 MX	Pecan
1:45 pm - 3:00 pm	WG Secondary Network Protectors C57.12.44	UTNP	B. Wimmer	60 MX	Chula Vista
1:45 pm - 3:00 pm	WG 1-ph Padmount Dist. Transformers C57.12.38	Dist	A. Ghafourian	76 MX S2	Live Oak
1:45 pm - 3:00 pm	TBD			86 MX S2	Rio Grande West
1:45 pm - 3:00 pm	WG Tank Rupture & Mitigation PC57.156	Power	P. Zhao	225 MX S3	Regency Center
1:45 pm - 3:00 pm	TF Audible Sound Revision to Test Code	PCS	R. Girgis	225 MX S3	Regency West
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i>			Regency Foyer	
3:15 pm - 4:30 pm	WG Milli-amp Current Transf. C57.13.7	IT	H. Alton	50 MX	Pecan
3:15 pm - 4:30 pm	SC HVDC Converter Transformers and Smoothing Reactors	HVDC	M. Sharp	60 MX	Chula Vista
3:15 pm - 4:30 pm	WG 3-ph Padmount Distribution Transformers C57.12.34	Dist	R. Stahara	76 MX S2	Live Oak
3:15 pm - 4:30 pm	WG Natural Ester-Based Fluids C57.147	IF	P. McShane	86 MX S2	Rio Grande West
3:15 pm - 4:30 pm	WG Dielectric Freq. Response PC57.161	DiTest	A. Naderian	225 MX S3	Regency Center
3:15 pm - 4:30 pm	WG Transformer Capability with Non-sinusoidal Loads PC57.110	PCS	R. Marek	225 MX S3	Regency West
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			Regency Foyer	
4:45 pm - 6:00 pm	WG Dry-Type O&M Guide C57.94	Dry	D. Stankes	50 MX	Pecan
4:45 pm - 6:00 pm	WG PD in Bushings & PT/CTs PC57.160	DiTests	T. Hochanh	60 MX	Chula Vista
> 4:45 pm - 6:00 pm	WG Step-Voltage Regulators C57.15 / 60076-21 (cont'd from Sat)	Dist	C. Colopy	76 MX S2	Live Oak
4:45 pm - 6:00 pm	WG Oil Accept & Maint. Guide C57.106	IF	B. Rasor	86 MX S2	Rio Grande West
4:45 pm - 6:00 pm	WG Life Extension C57.140	Power	P. Boman	225 MX S3	Regency Center
4:45 pm - 6:00 pm	WG PCS Revisions to C57.12.00	PCS	T. Ansari	225 MX S3	Regency West

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, April 14 -- Tuesday Breaks Sponsored by H-J Enterprises **					
7:00 am - <u>12:00 pm</u>	Meeting Registration				Los Rios Foyer
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			252 RT (9/tbl)	Regency East and Foyer
8:00 am - 9:30 am	Breakfast - Spouses/Companions (no meeting attendees please)			96 RT (8/tbl)	Garden Terrace
<u>7:00 am</u> - 7:50 am	EL&P Delegation (end-users only please) -- Breakfast Meeting; arrive early		J. Murphy	36 CL S2 (with buffet)	Rio Grande West
9:15 am - 4:30 pm	<u>Spouses/Companions Tour: "Cruising Through History Tour"</u> -- Advance registration required. Limited attendance. -- Bus departs Hyatt at 9:15 am, and return by 4:30 pm.				
	WG Oil Reclamation Guide PC57.637	IF	Will not meet.	Resolving ballot comments.	
8:00 am - 9:15 am	TBD			30 MX	<u>Pecos</u>
8:00 am - 9:15 am	WG Req. for Instrument Transf. C57.13	IT	R. McTaggart	50 MX	Pecan
8:00 am - 9:15 am	WG Enclosure Integrity C57.12.28, C57.12.29, C57.12.31, C57.12.32	Dist	R. Olen	60 MX	Chula Vista
8:00 am - 9:15 am	WG Std Require for Bushings C57.19.01	Bush	S. Zhang	76 MX S2	Live Oak
8:00 am - 9:15 am	WG Geomagnetic Disturbances PC57.163	Stds	J. Verner	225 MX S3	Regency Center
8:00 am - 9:15 am	WG Functional Life Tests, De-energized Tap Changers (DETC) PC57.157	Power	P. Hopkinson	225 MX S3	Regency West
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Regency Foyer	
9:30 am - 10:45 am	WG Station Service Voltage Transformers	IT	D. Wallace	50 MX	Pecan
9:30 am - 10:45 am	WG 1-Ph Submersible Transf. C57.12.23	UTNP	A. Traut	60 MX	Chula Vista
9:30 am - 10:45 am	TF for Distribution Transf. Bushings NEW!	Bush	S. Shull	76 MX S2	Live Oak
9:30 am - 10:45 am	TF Committee History	Mtgs	P. Balma	36 CL S2 50 TH	Rio Grande West
9:30 am - 10:45 am	WG Shunt Reactors C57.21	PCS	S. Som	225 MX S3	Regency Center
9:30 am - 10:45 am	WG Wind Turbine Transf. P60076-16	PCS	D. Buckmaster	225 MX S3	Regency West
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Regency Foyer	
11:00 am - 12:15 pm	WG Liquid-immersed Secondary Network Transformers C57.12.40	UTNP	B. Klaponksi	50 MX	Pecan
11:00 am - 12:15 pm	WG Phase Shift Transf. 60076-57-1202	Power	R. Ahuja	60 MX	Chula Vista
11:00 am - 12:15 pm	WG GSU Bushings PC57.19.04	Bush	S. Digby	76 MX S2	Live Oak
11:00 am - 12:15 pm	WG Impulse Tests C57.138 (Distribution)	DiTests	A. Molden	86 MX S2	Rio Grande West
11:00 am - 12:15 pm	WG Guide for DGA in LTCs C57.139	IF	D. Wallach	225 MX S3	Regency Center
11:00 am - 12:15 pm	WG Loss Evaluation Guide C57.120	PCS	M. Miller	225 MX S3	Regency West
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 is necessary. Paper tickets are not provided. Admission verified at the door.				
	TF Fluid Terms Normalization	Stds	Will not meet.	Work is complete.	
	WG DGA During Factory Temperature Rise Tests PC57.130	IF	Will not meet.	Resolving ballot comments.	
1:45 pm - 3:00 pm	WG 3-ph Transf. Connections PC57.105	PCS	A. Bromley	50 MX	Pecan
1:45 pm - 3:00 pm	TF Tap-Changer C57.131 / 60214-1	Power	C. Colopy	60 MX	Chula Vista
1:45 pm - 3:00 pm	WG Distr. Substation Transf. C57.12.36	Dist	J. Murphy	76 MX S2	Live Oak
1:45 pm - 3:00 pm	TF Through-Fault Current Duration PC57.109	PCS	V. Mehrotra	86 MX S2	Rio Grande West
1:45 pm - 3:00 pm	WG Revision to Low Frequency Tests	DiTests	B. Poulin	225 MX S3	Regency Center
1:45 pm - 3:00 pm	WG DPV Grid Transformers PC57.159	PCS	H. Shertukde	225 MX S3	Regency West
3:00 pm - 3:15 pm	<i>Break (beverages and Pretzels!)</i>			Regency Foyer	

** Contact Joe Watson (joe_watson@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 that equipment operates/syncs correctly.

Overhead projectors are available from the hotel with advance notice.

> -- 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)

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Tuesday, April 14 (continued)					
3:15 pm - 4:30 pm	WG Dry-Type Test Code C57.12.91	Dry	D. Foster	30 MX	<u>Pecos</u>
3:15 pm - 4:30 pm	WG Tap-Changer Applic. Guide 60214-2	Power	C. Colopy	50 MX	Pecan
3:15 pm - 4:30 pm	WG Test Data Reporting C57.12.37	Dist	T. Callsen	60 MX	Chula Vista
3:15 pm - 4:30 pm	WG Application of High-Temp Insulation Materials, IEEE P-1276	IL	M. Franchek	76 MX S2	Live Oak
3:15 pm - 4:30 pm	TF Core Gassing & Grounding	PCS	D. Buckmaster	225 MX S3	Regency Center
3:15 pm - 4:30 pm	TF Switching Transients Induced by Transf/Breaker Interaction C57.142	PCS	J. McBride	225 MX S3	Regency West
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			Regency Foyer	
4:45 pm - 6:00 pm	WG Neutral Grounding Devices PC57.32	PCS	S. Kennedy	30 MX	<u>Pecos</u>
4:45 pm - 6:00 pm	TF for Cross Reference of IEEE to IEC	Stds	V. Mehrotra	50 MX	Pecan
4:45 pm - 6:00 pm	WG Tank Pressure Coordinat. C57.12.39	Dist	C. Gaytan	60 MX	Chula Vista
4:45 pm - 6:00 pm	WG Transf. Paralleling Guide PC57.153	Power	T. Jauch	76 MX S2	Live Oak
4:45 pm - 6:00 pm	WG Revision to Gas Guide C57.104	IF	R. Ladroga	225 MX S3	Regency Center
4:45 pm - 6:00 pm	WG Revisions to Impulse Test Sections of C57.12.00 and C57.12.90	DiTests	P. Riffon	225 MX S3	Regency West
No Technical Tours or Social Events Planned					
Wednesday, April 15 -- 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)			<u>225</u> RT (9/tbl)	Regency East and Foyer
8:00 am - 9:30 am	Breakfast - Spouses/Companions (no meeting attendees please)			<u>88</u> RT (8/tbl)	Garden Terrace
7:00 am - 7:50 am	SC Meetings Planning	Mtgs	G. Anderson	30 CL	Pecan
7:00 am - 8:30 am	IEC TC-14 Technical Advisory Group -- Breakfast Meeting; arrive early -- All interested individuals welcome	++	P. Hopkinson	60 CL S2 (with buffet)	Chula Vista
8:00 am - 9:15 am	SC Instrument Transformers	IT	R. McTaggart	30 CL S2 70 TH	Live Oak
8:00 am - 9:15 am	SC Insulation Life	IL	B. Forsyth	250 CL S3 100 TH	Regency Center/West
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Regency Foyer	
9:30 am - 10:45 am	SC Bushings	Bush	P. Zhao	100 MX S2	Live Oak
9:30 am - 10:45 am	SC Distribution Transformers	Dist	S. Shull	350 MX S3	Regency Center/West
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Regency Foyer	

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Wednesday, April 15 (continued)					
11:00 am - 12:15 pm	SC UG Transf. & Network Protectors	UTNP	D. Mulkey	100 MX S2	Live Oak
11:00 am - 12:15 pm	SC Dielectric Tests	DiTests	M. Franchek	350 MX S3	Regency Center/West
12:15 pm - 1:30 pm	Lunch (on your own)				
1:30 pm - 2:45 pm	SC Dry Type	Dry	C. Johnson	100 MX S2	Live Oak
1:30 pm - 2:45 pm	SC Power Transformers	Power	J. Watson	350 MX S3	Regency Center/West
2:45 pm - 3:00 pm	<i>Break (beverages and treats)</i>			Regency Foyer	
3:00 pm - 4:15 pm	SC Insulating Fluids	IF	D. Wallach	100 MX S2	Live Oak
3:00 pm - 4:15 pm	SC Performance Characteristics	PCS	E. teNyenhuis	350 MX S3	Regency Center/West
4:15 pm - 4:30 pm	<i>Break (beverages only)</i>			Regency Foyer	
4:30 pm - 5:45 pm	SC Standards	Stds	B. Bartley	350 MX S3	Regency Center/West
6:00 pm - 9:00 pm	<u>Dinner Social</u> : Jack Guenther Pavilion at Briscoe Western Art Museum. -- Advance registration required. See flyer for info. -- The Pavilion is located 4-5 blocks from the Hyatt (6-7 minute walk). A small shuttle bus marked "IEEE" will provide transportation if you need, shuttling approx every 10 minutes, 5:30 to 9:30 pm. -- Doors open at 6:00 pm; cash bar 6:00 to 9:00 pm; buffet open at 7:00 pm. -- Museum open 6:00 to 9:00 pm for self-guided tours. -- Paper tickets will not be provided. Admission will be verified with registration list as you enter the Pavilion.				

Thursday, April 16

	No Meeting Registration, No Spouses/Companions Tours, No Technical Tours, No EPRI TF Meeting				
7:00 am - 8:00 am	Breakfast - Attendees <u>Your choice</u> : Either sit-down buffet in Garden Terrace (1st Floor), or continental breakfast in Regency Foyer (Ballroom Level)			150 RT (8/tbl) + high boys in Foyer	Garden Terrace & Regency Foyer
8:00 am - 9:30 am	Breakfast - Spouses/Companions			150 RT (8/tbl)	Garden Terrace
8:00 am - 9:15 am	Technical Presentation #1: "Transportation of Transformers, The Hot Buttons", by Blaydon, Boman, Nunn, van den Berg, et al. ** Sponsored by Power Transformers SC. See flyer on website			250 CL S1 200 TH	Regency Center/West
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Regency Foyer	
9:30 am - 10:45 am	Technical Presentation #2: "Core Gassing & Grounding", by Buckmaster, Hopkinson, Whitehead, et al. ** Sponsored by Performance Characteristics SC. See flyer.			450 MX S1	Regency Center/West
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Regency Foyer	
> 11:00 am - 12:00 pm	Closing Session -- All attendees are encouraged to attend -- See separate document for meeting agenda		D. Platts	450 MX S1	Regency Center/West
	No Technical Tours				

Friday, April 16

No Committee Meetings

** Contact Tom Prevost (tprevost@ieee.org) if you are interested in making a technical presentation at a future meeting.

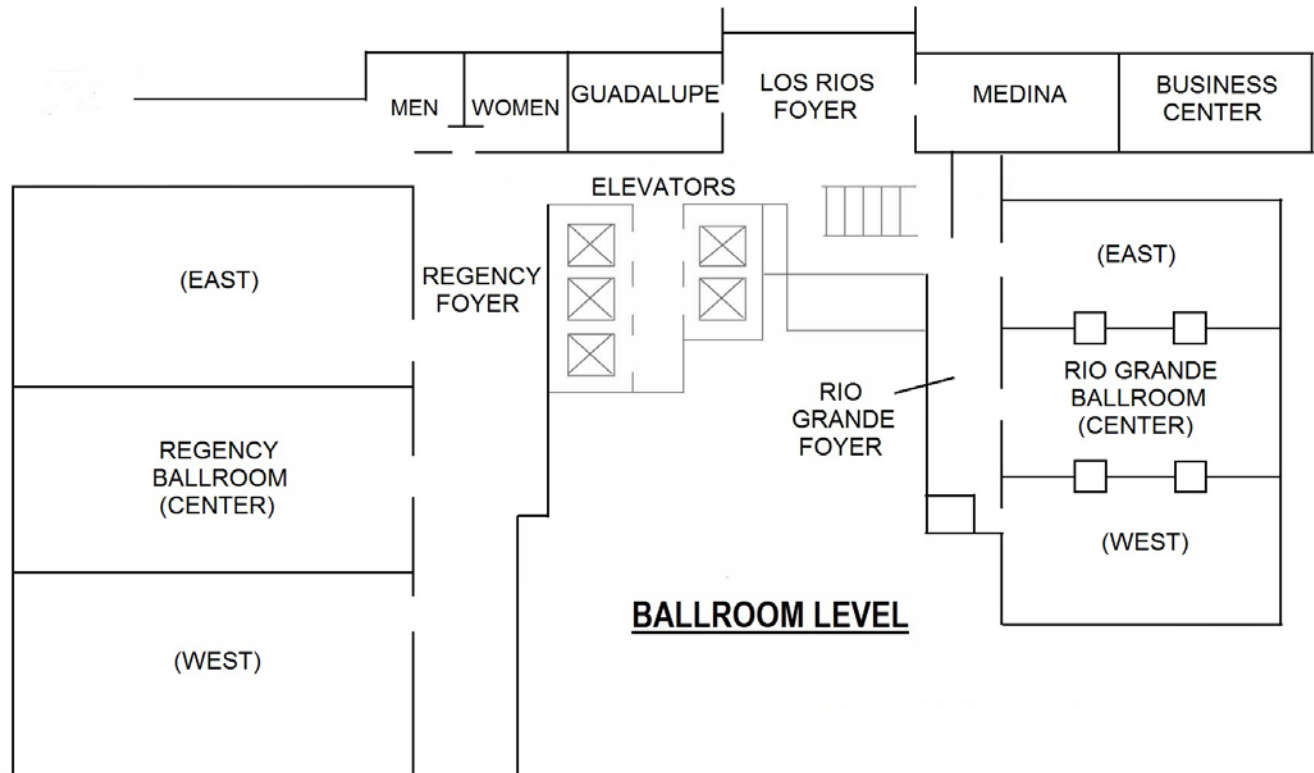
FUTURE COMMITTEE MEETINGS

Fall 2015 - November 1-5; Memphis, Tennessee

Spring 2016 - Dates TBD; Location TBD

Hyatt Regency San Antonio Riverwalk

123 Losoya Street; San Antonio, Texas 78205
(210) 222-1234



Lobby Level

Chula Vista

Chula Vista Boardroom

Hill Country Level (directly above Ballroom Level)

Pecan

Pecos

Live Oak

Blanco

Mesquite

Llano

2nd Floor - Ballroom Level (see above floorplan)

Los Rios Foyer: Meeting Registration

Regency Foyer: Breaks

Regency Ballroom East: Attendees Breakfasts & Lunches

Regency Ballroom Center & West

Rio Grande Ballroom West

1st Floor - Guest Room Level

Garden Terrace: Spouses/Companions Breakfasts

IEEE/PES TRANSFORMERS COMMITTEE
Spring 2015 Meeting; San Antonio, Texas, USA
Agenda - General Session

Chair: Don Platts **Vice Chair:** Stephen Antosz **Secretary:** Sue McNelly
Treasurer: Greg Anderson **Awards Chair/Past Chair:** Bill Chiu **Standards Coordinator:** Bill Bartley

Opening Session

Monday, April 13; 8:00 am - 9:15 am

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

1. Welcome and Announcements Don Platts
2. Approval of Agenda Don Platts
3. Approval of Minutes from Fall 2014 Meeting Don Platts
4. Chair's Report Don Platts
5. Vice Chair's Report Stephen Antosz
6. Secretary's Report Sue McNelly
7. Treasurer's Report Greg Anderson
8. Report from Administrative Subcommittee Meeting Don Platts
9. Standards Report Bill Bartley
10. Editor's Report Sanjib Som
11. Reports from Liaison Representatives
 - 11.1. CIGRE Raj Ahuja
 - 11.2. IEC TC-14 Technical Advisor to USNC Phil Hopkinson
 - 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 Don Platts

Closing Session

Thursday, April 16; 11:00 am - 12:00 pm

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



Transportation of Transformers, The Hot Buttons

-- Technical Presentation --
Thursday, April 16, 2015

**by Dan Blaydon, Paul Boman, Andy Burns,
Kraig Nunn, Peter van den Berg, et al.**

1. Abstract

All the work we do in specifying, designing, building and testing transformers can be fruitless if there is little attention to transporting the equipment to the jobsite. An improper tie-down, or a mis-sized crane from a fly-by-night rigging contractor can result in equipment damage and project delays. Forgetting to properly permit the route, or being unaware of seasonal frost/thaw road limitations, can also cause unexpected delays.

In 2012, the Transformers Committee released a new document entitled, "IEEE C57.150, Guide for Transportation of Transformers and Reactors Rated 10,000 kVA or Larger". It provides useful information for minimizing the risk of damage and delays in the moving of transformers and reactors, regarding their design, shipment preparation, transportation, heavy-hauling, and arrival inspection. That guide is due to be revised by 2022, and we will start work on the revision soon. This presentation provides fodder for that work.

Although it is impossible to cover all aspects of moving transformers in a 75-minute presentation, we will briefly cover a few "Hot Buttons", which can cause you to lose sleep during that all-important project. To review those hot-button topics, we have gathered a team of presenters from various companies including: an insurance provider, a heavy-hauler/rigger, a manufacturer of impact recorders, and a marine architect from a shipping company. We also will hear briefly from a couple of end-user customers, about their own "oops experiences".

Some topics that will be covered are:

- Insurance issues
- Impact recorders
- Rigging and securing for over-road transportation
- Routing and permitting
- Ocean and barge shipments
- Arrival inspection & testing

2. Learning Objectives

This presentation will:

- Ensure that you are aware of the recently published "Transportation Guide", C57.150.
- Alert you to problems, which can cause equipment damage and/or project delays.
- Present "real-world experiences" from actual utility projects.
- Introduce the field of Risk Awareness/Management and how it impacts commercial issues.
- Gather momentum for the upcoming revision of C57.150.

3. Learning Outcomes

As a result of attending this session, participants will walk away knowing:

- Why not to say, "Deliver my transformer FOB pad."
- There is more to impact recorders than simply "X, Y and Z".
- Potential risks with cross-ocean shipments.
- How not to secure a transformer to a railcar or low-bed trailer.
- Why sometimes a 30-minute drive across town can become a 3-day moving fiasco.
- How to ensure your heavy-haul contractor is reputable and qualified.

4. Presenters' Biographies

Daniel J. Blaydon is a Sr. Engineer in Substation Engineering, Design and Standards at Baltimore Gas & Electric. In addition to responsibilities of power transformers, he has participated in various industry assignments including the NERC AC Substation Equip Task Force, and PJM Interconnection Transformer Working Group. Dan is a member of the IEEE Transformers Committee, and is a member of working groups: PC57.153 Transformer Paralleling Guide, and PC57.163 Guide for Establishing Transformer Capability during GMD. He has a Bachelor of Science Degree in Electrical Engineering from Penn State University and is a licensed Professional Engineer in Maryland.

Paul E. Boman is an IEEE member and Director of Hartford Steam Boiler Inspection and Insurance Company's program for fluid analysis. He consults with clients on fluids used in electrical transformers, steam turbines, gearboxes and engines, and gives recommendations based on fluid analysis results & equipment application. Paul has presented technical papers at technical groups, including CIGRÉ A2 Colloquium, and industry conferences. He is Chairman of IEEE working groups: C57.155 Natural & Synthetic Fluid Dissolved Gas Diagnostic Guidelines, C57.140 Evaluation and Reconditioning of Power Transformers, and C57.111 Silicon Fluid Maintenance Guidelines.

Andrew C. Burns has overseen multiple transportation projects over the last nine years at Edwards Moving & Rigging, Inc. His experience includes oversight & design of over-weight and over-dimensional transport of HRSGs, vessels, presses, and multiple transformer and GSU projects. In addition, he has overseen planning & execution of rigging projects at power plants, substations, refineries, etc. The majority of these projects have involved over the road transport, necessitating significant time investment in permit procurement, overhead obstruction issues, and bridge studies. Andy holds a BA degree in Secondary Education from Northern Kentucky University, and certifications in Hazardous Materials, Emergency Response (HAZWOPER), and Person-in-Charge.

Kraig J. Nunn has been at ShockWatch, a global provider of solutions to deter product mishandling and reduce costs in the supply chain since 2001. In his current role as Technical Sales Manager, Kraig provides technical expertise and consulting services to the ShockWatch sales team, distributor network and customer base. Prior to that, he was Sales Engineer, then Product Manager, heavily involved with product support in South America. Kraig holds a Bachelor of Science degree in Industrial Engineering from Kansas State University.

Peter van den Berg. After finishing studies of Naval Architecture in The Netherlands, Peter started with a Dutch engineering company within petrochemical industry and offshore technologies. Later he worked for a German engineering company within the field of gas purification for coke ovens and human waste incineration plants, and upscaling a copper production plant. In 2000, he returned to his naval roots, working in an engineering department of the German first-class heavy-lift carrier SAL, and dealing with cargos up to 1450 metric tons. Since 2003, he has worked in Hamburg with Rickmers-Linie, a world leading global ocean liner service, responsible for bedding and securing arrangements for heavy cargo units, developing necessary documentation for clients, and compiling in-house documentation for realization of loading operations and ocean transportation.



Transformer Core Grounding & Gassing, Proposed Text for IEEE Standards

-- Technical Presentation --
Thursday, April 16, 2015

by David Buckmaster, Phil Hopkinson, and Kip Whitehead

1. Abstract

There have been numerous reports of unusual hydrogen gas evolution in distribution and Class I power transformers with wound cores and voltages of 15 kV or higher. These anomalies have occurred within wind power, solar power, and even in general purpose installations.

This subject has been debated and presented in various IEEE meetings and conferences, including those related to the subjects of wind, solar, distribution transformers, and performance characteristics.

A revision is proposed to provide guidance on core grounding in IEEE Standard C57.12.00, and guidance for partial discharge testing in IEEE C57.12.90 to test for susceptibility of transformer design for the gassing issue.

This presentation has three parts:

1. Phil Hopkinson will remind us of the technical issue.
2. Kip Whitehead will provide some real-world user experience.
3. David Buckmaster will describe the proposed proof test and modifications to the IEEE documents.

2. Learning Objectives

This presentation plans to:

- Explain what fundamentally causes gassing.
- Describe how the proposed test will sort out the differences between core grounds that always work versus those that are associated with gassing
- Establish credibility with user experience.

3. Learning Outcomes

As a result of attending this session, participants will gain an understanding of the following:

- The importance of proper core grounding to prevent excessive voltage on a core with subsequent core gassing.
- That gassing is always accompanied by partial discharge.
- The importance of partial discharge design tests to identify susceptible designs.

4. Presenters' Biographies

Dr. David E. Buckmaster is President & CEO of Transformer Forensics, LLC, specializing in transformers, stationary power systems, MV, HV and EHV design parameters. David has ventured into the wind energy field and has studied the impact on transformers from this technology and the hurdles to overcome associated with new requirements of NFPA-70E. In 1998, David received his Honorary Ph.D. degree from Moscow State University in Moscow, Russia, in Electrical Power Engineering. He has over 36 years of combined experience (professional and pre-professional) in the area of power, distribution, transformers, and transmission grid designs. David co-authored a new chapter in an electrical engineering handbook on transformer design with Dr. Hem Shertukde and Mr. Jim Harlow. He is active in the IEEE/PES Transformers Committee and several IEEE subcommittees, including but not limited to IEEE-USA Climate Change Technology Subcommittee.

Philip J. Hopkinson (IEEE Life Fellow) is a Professional Engineer and President & CEO of HVOLT Inc. Additionally, Phil is Technical Adviser to the US National Committee for IEC TC 14, Power Transformers. He received his BS degree in Electrical Engineering from Worcester Polytechnic Institute in 1966. He also graduated from GE's Advanced Engineering Course in 1970 and in the same year received his MS in System Science (EE) from Brooklyn Polytechnic Institute. From 1966 to 2002, Phil held numerous design and engineering management assignments in the transformer businesses of GE, Cooper Power Systems, and Square D in liquid-filled, dry, and cast resin transformers of all power ratings and voltage classes. In 2001, Phil formed a power transformer consulting company, called HVOLT Inc. He currently holds 15 US patents, and he has been studying the core gassing issue since 2008.

Kip R. Whitehead has been in the engineering and construction industry for over 45 years, including 14 years with RMT Inc., performing wind farm construction and trouble-shooting wind farm transformer issues. For the past 5 years, he has been a consultant to Infrastructure and Energy Alternatives (IEA Inc.), and to wind farm operators concerning wind farm pad-mount transformers. Kip has managed numerous warranty claims involving hundreds of gassing pad-mount transformers. He has an AS degree in Nuclear Engineering and a BS in Engineering.



EARLY BIRD EVENT
Saturday, April 11, 2015
Casa Rio Restaurant &
Howl at the Moon



Casa Rio's beautiful location and colorful umbrellas have come to symbolize the serenity and romance of the San Antonio River Walk. The picturesque location combined with authentic Mexican food offer the perfect setting to kick off the week's activities. www.casa-rio.com

Following dinner, get ready for one of the most unique nightlife experiences! Sing, dance and howl as the most versatile and talented musicians perform your favorite songs from 80's rock, 90's pop and today's dance hits on pianos, guitars and more! www.howlatthemoon.com/san-antonio

Registration fee includes buffet dinner at Casa Rio, reserved group seating at Howl at the Moon, no waiting in line to enter and one complimentary drink per guest (all beer, wine and premium liquor brands).

Itinerary

- 5:45 pm: Meet in hotel lobby to walk to Casa Rio Restaurant (approximately 5 minutes)
- 6:00 pm: Reception in Texas Room with cash bar (credit cards also accepted for tabs)
- 6:30 pm: Buffet Dinner
- 7:45 pm: Depart for Howl at the Moon (must arrive before 8pm for reserved seating)
- 8:00 pm: Party begins at Howl at the Moon!

Reception/Dinner Menu

(please advise of any dietary restrictions when registering)

Tortillas, Chips & Salsa

Garden Salad

Fajita Grande Buffet

Chili con Queso, Guacamole, Grilled Shrimp, Marinated Beef & Chicken Fajita Strips (w/grilled onions & peppers), Pico de Gallo, Sour Cream, Shredded Cheese, Mexican Rice, Borracho Beans and Iced Tea



Attendance extremely limited... REGISTER EARLY!





SPOUSE/COMPANION TOUR

Monday, April 13, 2015

Cooking San Antonio Style



Our tour starts with a trip to Marti's for a private preview of this upscale boutique featuring traditional Mexican retablos, linens, fine jewelry and exquisite home furnishings. www.martis.com

Next we travel through the King William Historic District where prosperous German merchants built grand homes in the 1800s. You can stop and tour the Guenther House located on the grounds of the Pioneer Flour Mill and explore the delightful gift shop filled with darling surprises for anyone who loves to cook and eat. Each guest will be given a sample pastry to enjoy! www.guentherhouse.com

If the Guenther House doesn't sound like your kind of place, stay on the bus to visit Garcia Art Glass. The first hot glass studio in the area specializing in one-of-a-kind original blown glass, you will get the rare chance to see glass blowing up close and in person! Their creations range from the functional to the whimsical for homes, offices, restaurants and hospitals. www.garciaartglass.com



Moving on to lunch, we will meet **Blanca Aldaco**. Blanca's passion for cooking the foods she was introduced to as a child is truly inspiring. Not only will you get a step-by-step demonstration of how to make the perfect enchilada, you will also be served an amazing authentic stuffed enchilada meal. Did we mention the secret to making the best margarita you've ever tasted will be

revealed? Sampling is encouraged! www.aldacosrestaurants.com

After Aldaco's, celebrate Fiesta like never before while visiting the Witte Museum. The 2015 Witte Museum Fiesta exhibition showcases the two-year process for planning and executing the Order of the Alamo Coronation, Fiesta's most glamorous event, and features more glittering crowns, dresses and trains than ever before. More than 30 coronation robes from the early 1900s to today provide historical perspective to the Fiesta royalty fashion. www.witemuseum.org

Lunch Menu

(please advise of any dietary restrictions when registering)

Enchilada Verdes — Chicken enchilada with tangy green tomatillo sauce served with rice, borracho beans and handmade flour or corn tortillas

Non-alcoholic beverage and/or two margaritas

Fabulous tres leches cake

BONUS! Souvenir recipe card

Itinerary

(all times except morning departure and lunch are approximate)

9:15 am: Bus Departs Hotel Lobby for Marti's Boutique

10:15 am: Visit Guenther House and/or Garcia Art Glass

12:00 pm: Lunch at Aldaco's with Cooking Demonstration

2:00 pm: Witte Museum

3:45 pm: Return to Hotel

Complimentary bottled water available on bus.



Marti's Boutique



Garcia Art Glass



Guenther House



Witte Museum

Attendance will be limited... REGISTER EARLY!





SPOUSE/COMPANION TOUR

Tuesday, April 14, 2015

Cruising Through History

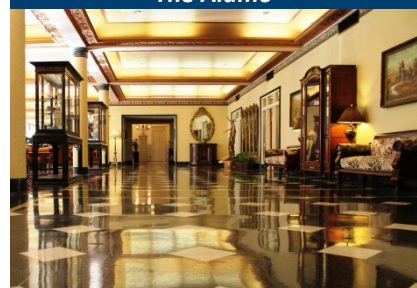


Our day begins with a short walk from the hotel to the Alamo, or Mission San Antonio de Valero, where we will be guided back through history. Founded in 1718 as the first mission in San Antonio, the Alamo served as a way station between east Texas and Mexico. In 1836, decades after the mission had closed, the Alamo became an inspiration and motivation for liberty during the Texas Revolution. www.thealamo.org



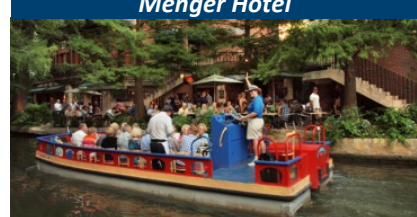
The Alamo

Following the Alamo, we will have the opportunity to tour the elegantly appointed Menger Hotel which is listed on the National Register of Historic Places. While being one of the oldest and most well known hotels in all of Texas, it is also believed to be the most haunted hotel with no fewer than 32 separate ghosts reported throughout the years! Guests will also visit the Menger Bar, made famous by Teddy Roosevelt who used the bar as his headquarters when recruiting his Rough Riders. www.mengerhotel.com



Menger Hotel

Two blocks away, we will explore the La Villita Historic Arts Village, a collection of boutiques, art galleries and restaurants. Most of the caliche block and stucco structures in this area date back to the mid-1800s when European immigrants lived and worked there. A historical tour will be offered while leaving time for you to shop and discover some treasures on your own. www.lavillita.com



River Walk Barge Tour

From La Villita, we board barges for a cruise of one of the world's most unique waterways, the famous Paseo del Rio, or River Walk. After sailing past the Southwest School of Art, we cruise to the South Bank where we disembark for a bar-b-q lunch at The County Line. www.countyline.com/CountyLineRiverWalk

After lunch, either continue exploring the River Walk on your own or take an OPTIONAL tour of the Buckhorn Museum. The Buckhorn features wildlife from all over the world, over 520 species collected over 100 years—many of which are record holders! www.buckhornmuseum.com

Itinerary

- 9:15 am: Leave hotel for Alamo Plaza (5 minute walk from Hyatt)
- 10:30 am: Walk to Menger Hotel (located across the street from the Alamo)
- 11:45 am: Walk to La Villita (two blocks)
- 12:00 pm: Board barges* for River Walk tour
- 1:00 pm: Buffet Lunch at the County Line Barbeque
- 2:30 pm: OPTIONAL Buckhorn Museum tour on own (extra charge of approx. \$10 will apply, payable at registration)

**In the unlikely event of inclement weather, motor coach transportation will be provided in lieu of barges.*

Lunch Menu (please advise of any dietary restrictions when registering)

Hill Country Sausage	Cole Saw	Pickles/Onions/Jalapenos
Smoked Chicken	Ranch Style Beans	Fruit Cobbler
Extra Lean Brisket	Homemade Bread with Butter	Iced Tea
Potato Salad	Black Bean Cilantro and Lime Rice	

Please wear comfortable shoes as this day includes walking and stairs to access barge and restaurant.



Attendance will be limited... REGISTER EARLY!





DINNER SOCIAL
Wednesday, April 15, 2015
Jack Guenther Pavilion at the
Briscoe Western Art Museum



The Briscoe Western Art Museum offers a look at art and artifacts from across history and cultures of the American West. Over five centuries, from the Spanish conquest to present day, the Briscoe collections tell the story of the West in all its drama. It is a story of global dimension, played out in a timeless landscape, a story that continues today. www.briscoemuseum.org

Itinerary

- 5:30 pm: Meet in lobby
- 5:45 pm: Depart hotel for Briscoe Museum – walk or shuttle*
- 6:00 pm: Briscoe Museum (1st & 2nd floors) self-guided tours; cash bar and reception in Jack Guenther Pavilion (credit cards will be accepted for bar tabs during the reception and dinner)
- 7:00 pm: Buffet open in Jack Guenther Pavilion
- 9:15 pm: Last shuttle leaves for hotel

**Shuttling approximately every 10 minutes between 5:45 and 9:15 pm.*

Reception/Dinner Menu

Quail Bites - Marinated bites of quail and jalapeño slivers wrapped in applewood smoked bacon, drizzled with buttermilk crème

Crawfish and Grilled Corn Hushpuppies - Crisp balls of crawfish and grilled corn presented with a spicy chipotle remoulade

Petite Jalapeño Biscuits with Venison Sausage and Smoked Gouda Served on Buttermilk Biscuits

Country Potato Salad

Southwest Caesar Salad with Sun Dried Tomato Bits, Cojita Cheese and Breadstick in a Chipotle Caesar Dressing

Butcher Block Station - Large butcher block station with perfectly roasted and smoked meats carved to order, including cabernet braised short ribs, whole smoked free range chicken, sizzling local sausage presented with complementing sauces (wild mushroom and roasted shallot demi, peppercorn gravy and Texas bourbon kissed BBQ)

Texas BBQ Beef Ribs

Fried Quail Station - Served with fluffy buttermilk biscuits and cream gravy

Poblano Au Gratin Potatoes - Creamy potatoes with roasted poblano peppers, tossed with a blend of cheeses

Texas Farmed Vegetables - Blend of Texas vegetables sautéed and finished with butter and sea salt

Tangy Bacon and Beans

Baskets of Sourdough Bolillos - Toasted onion Kaisers and freshly baked buns

Fredericksburg Peach Cobbler

Iced Tea & Coffee



Attendance will be limited... REGISTER EARLY!

