

IEEE/PES TRANSFORMERS COMMITTEE
www.transformerscommittee.org
Hosted by Don & Wilma Cash
Green Valley Ranch Resort & Spa; Las Vegas, Nevada, USA
Fall 2004 Meeting -- October 24-28, 2004

NOTES:

See Page 5 for a key to the abbreviations. A vertical line in the left margin indicates a noteworthy revision since last issue.
 See Page 6 for schedule of shuttle service between Green Valley Ranch Resort (GVR) and Sunset Station Casino (SS).

<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>
Saturday, October 23					
	No Meetings or Technical Tours. No Meeting Registration.				
Sunday, October 24					
	No Technical Tours.				
1:00 pm - 7:00 pm	Meeting Registration			L-shaped table	Estancia Foyer
2:00 pm - 5:30 pm	Administrative SC -- Closed meeting, by invitation only	Admin.	K. Hanus	30 HS P (w/snack buffet)	Estancia BC
2:00 pm - 5:30 pm	ASC C57 NEMA Delegation -- Closed meeting, by invitation only	++	C. Drexler	20 HS P (w/beverages)	Estancia A
6:00 pm - 8:00 pm	Hospitality Reception -- All members, guests & companions are welcome -- Advance registration please			300 Recept.	Pool Cafe (Estancia DEFG backup)
Monday, October 25 -- Monday Breaks Sponsored by <u>Hyundai Heavy Industries</u> **					
7:00 am - 5:00 pm	Meeting Registration				Estancia Foyer
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			200 RT (flow)	El Viento AB (other side of casino near sports bar)
8:00 am - 9:00 am	Breakfast - Companions			75 RT	Whiskey Ck Porch (near hotel pool)
9:15 am - 3:00 pm	Companion Tour: <u>Vegas Tour, Elvis/Liberace/Gamblers Museums</u> . Advance registration required. -- Bus leaves SS at 8:30 am, and GVR (lobby entrance) at 9:15 pm. Return at 3:00 pm. Includes lunch.				
<u>7:05 am</u> - 7:50 am	<u>Newcomers Orientation</u> Breakfast Meeting -- All "Newcomers" & Guests are encouraged to attend. Get food in El Viento AB (across hallway) and bring into room. Be ready for a 7:05 am start.		D. Fallon	50 CL S3, P	El Viento C (other side of casino near sports bar)
7:05 am - 7:50 am	Distribution SC Coordination Meeting (closed mtg)		E. Smith	15 CONF	China Spice Restr.
	WG Electronic Data Transmittal PC57.12.37	Dist	Cancelled. Will meet in Spring 2005		
8:00 am - 9:15 am	WG 3-ph UG Distribut. Trans. C57.12.24	UTNP	J. Sullivan/ G. Termine	40 CL	Estancia A *
8:00 am - 9:15 am	TF Dry-Type Reactors	Dry	R. Dudley	40 CL O	Estancia E *
8:00 am - 9:15 am	TF Winding Temperature Indicators	IL	P. McClure	60 CL O	Estancia D *
8:00 am - 9:15 am	TF Arc Furnace Transformers C57.17	Power	D. Corsi	80 CL P	Estancia BC *
8:00 am - 9:15 am	WG Acoustic PD Measurements	DiTests	J. Harley	125 CL S3	Estancia F *
8:00 am - 9:15 am	TF Core Overexcitation Requirements	PCS	C. Stiegemeier	125 CL S3, P	Estancia G *
				* primarily CL, but add rows of theater seating in rear of room if necessary	
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Estancia ABC and FG foyers	

** Contact Joe Watson (joe_watson@ieee.org) if you are interested in sponsoring a future coffee-break.

<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, October 25 (continued)					
9:30 am - 10:45 am	WG Liquid-immersed Secondary Network Transformers C57.12.40	UTNP	B. Klaponski	40 CL	Estancia A
9:30 am - 10:45 am	WG Thermal Evaluation of Power and Distribution Trans. C57.100	IL	R. Wicks	40 CL P	Estancia E
9:30 am - 10:45 am	WG PCS Rev. to Test Code C57.12.90	PCS	B. Forsyth	60 CL P	Estancia D
9:30 am - 10:45 am	WG 1-ph OH Dist. Trans. C57.12.20	Dist	A. Wilks/ T. Cooper	80 CL O	Estancia BC
9:30 am - 10:45 am	TF Electrical Partial Discharge Measurements Guide C57.113	DiTests	E. Lemke	125 CL S3, P	Estancia F
9:30 am - 10:45 am	WG Transformer Monitoring C57.143	Power	D. Chu/A. Lux	125 CL S3, P	Estancia G
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Estancia ABC and FG foyers	
11:00 am - 12:15 pm	WG Rev. Transf. for Non-sinusoidal Loads C57.110 (new)	PCS	R. Marek	40 CL P	Estancia A
11:00 am - 12:15 pm	WG Temp. Rise Test Procedures in Section 11 of C57.12.90	IL	P. Payne	40 CL	Estancia E
11:00 am - 12:15 pm	WG Shunt Reactors C57.21	Dry	R. Dudley	60 CL O	Estancia D
11:00 am - 12:15 pm	WG 1-ph Padmount Distribution Transformers C57.12.25	Dist	A. Ghafourian/ I. Ares	80 CL O	Estancia BC
11:00 am - 12:15 pm	WG Revision to Low Frequency Tests	DiTests	M. Perkins	125 CL S3, P	Estancia F
11:00 am - 12:15 pm	WG New Standard for Control Cabinets	Power	J. Watson	125 CL S3, P	Estancia G
12:15 pm - 1:30 pm	Lunch Mtg - Standards Develop. Process Review -- All WG & TF Chairs are encouraged to attend. -- Advance reservation necess. (\$20 for box lunch). -- IMPORTANT: Bring your ticket to the lunch.		B. Chiu	80 RT P (same set from bkfst, set food for guarantee)	El Viento AB (other side of casino near sports bar)
1:45 pm - 3:00 pm	WG Sec. Network Protectors C57.12.44	UTNP	D. Mulkey	40 CL	Estancia A
1:45 pm - 3:00 pm	WG Dry-Type Gen. Require. C57.12.01	Dry	J. Sullivan	40 CL	Estancia E
1:45 pm - 3:00 pm	SC HVDC Converter Transformers and Smoothing Reactors	HVDC	R. Dudley	60 CL O, P	Estancia D
1:45 pm - 3:00 pm	WG 3-ph Padmount Distribution Transformers C57.12.34	Dist	R. Stahara/ S. Shull	80 CL O	Estancia BC
1:45 pm - 3:00 pm	WG PCS Revisions to C57.12.00	PCS	S. Snyder	125 CL S3	Estancia F
1:45 pm - 3:00 pm	WG LTC Performance C57.131	Power	W. Henning/ C. Colopy	125 CL S3, P	Estancia G
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i>			Estancia ABC and FG foyers	
3:15 pm - 4:30 pm	WG 1-ph Submersible Distribution Transformers C57.12.23	UTNP	A. Traut/ B. Basu	40 CL O	Estancia A
3:15 pm - 4:30 pm	Joint WG Optical ITs C57.13/PSIM P1601	IT/PSIM	Rahmatian/ Gilleland	40 CL O, P	Estancia E
3:15 pm - 4:30 pm	WG Semiconductor Rectifier Transformers C57.18.10	PCS	S. Kennedy	60 CL P	Estancia D
3:15 pm - 4:30 pm	WG for Bar Coding Distribution Transformers C57.12.35	Dist	L. Matthews/ G. Termine	80 CL P	Estancia BC
3:15 pm - 4:30 pm	WG Revision of Impulse Guide C57.98	DiTests	A. Molden	125 CL S3, P	Estancia F
3:15 pm - 4:30 pm	WG Transf. Life Extension PC57.140	Power	R. James/ W. Bartley	125 CL S3, O	Estancia G
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			Estancia ABC and FG foyers	
4:45 pm - 6:00 pm	Presentation #1: "HVDC Converter Transformers Polarity Reversal Impact on Dielectric Design", by Ugo Piovan and others **		Sponsor: HVDC	200 TH S3, P (table for 5 on riser, w/podium and lapel mic)	Estancia CD (other side of casino near sports bar)
No Evening Activity Planned					

** Contact N. Kent Haggerty (n.kent.haggerty@ieee.org) if you are interested in making a technical presentation 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>
Tuesday, October 26 -- Tuesday Breaks Sponsored by <u>GE PROLEC</u> **					
7:00 am - <u>12:00 pm</u>	Meeting Registration			L-shaped table	Estancia AB Foyer
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			200 RT	El Viento ABCD
8:00 am - 9:00 am	Breakfast - Companions			75 RT	Whiskey Ck Porch
9:15 am - 3:00 pm	Companion Tour: <u>Bally's Jubilee, Ethel Ms Chocolate, Fashion Show Mall</u> . Advance registration required. -- Bus leaves SS at 8:30 am, and GVR at 9:15 pm. Return around 3:00 pm. <u>Lunch on your own at the Mall</u> .				
8:00 am - 9:15 am	WG Test Requirements for HV Instrument Transformers C57.13.5	IT	R. McTaggart/ P. Riffon	40 CL O	Estancia A
8:00 am - 9:15 am	WG Switching Transients Induced by Transformer/Breaker Interaction	PCS	R. Degeneff	40 CL P	Estancia E
8:00 am - 9:15 am	WG Guide for DGA in LTCs C57.139	IF	F. Jakobi	60 CL	Estancia D
8:00 am - 9:15 am	WG Enclosure Integrity C57.12.28, C57.12.29, C57.12.31, C57.12.32	Dist	R. Olen/ D. Mulkey	80 CL O	Estancia BC
8:00 am - 9:15 am	TF Def. Thermal Upgraded Insulation	IL	D. Platts	125 CL S3	Estancia F
8:00 am - 9:15 am	WG West Coast, with TF for Revision of IEEE 62, C57.117 and C57.125	Power	M. Lau	125 CL S3, P	Estancia G
9:15 am - 9:30 am	<i>Break (beverages only)</i> Estancia ABC and FG foyers				
	TF Joint/PSIM Low PF Measurement	PCS	Will meet in Spring 2005		
9:30 am - 10:45 am	WG Thermal Evaluation C57.12.56 and C57.12.60	Dry	R. Provost/ R. Wicks	40 CL	Estancia A
9:30 am - 10:45 am	WG Neutral Ground. Devices PC57.32	PCS	S. Schappell	40 CL, P	Estancia E
9:30 am - 10:45 am	WG Natural Ester-based Fluids	IF	P. McShane	60 CL	Estancia D
9:30 am - 10:45 am	WG Std Terminology C57.12.80	Stds	T. Raymond	80 CL	Estancia BC
9:30 am - 10:45 am	WG Thermal Duplicate Guide PC57.145	IL	B. Beaster	125 CL S3	Estancia F
9:30 am - 10:45 am	TF Functional Life Tests, De-energized Tap Changers (DETC)	Power	P. Hopkinson	125 CL S3, P	Estancia G
10:45 am - 11:00 am	<i>Break (beverages only)</i> Estancia ABC and FG foyers				
	TF Rev. to Temp. Ratings in C57.12.00	IL	Will not meet. Status report at IL SC Meeting.		
11:00 am - 12:15 pm	WG ITs for Electronic Meters & Relays	IT	C. TenHaagen	40 CL O	Estancia A
11:00 am - 12:15 pm	WG Loss Tolerance and Measurement	PCS	E. teNyenhuis	40 CL P	Estancia E
11:00 am - 12:15 pm	WG Revision of Oil Guide C57.106	IF	J. Thompson/ T. Oommen	60 CL O	Estancia D
11:00 am - 12:15 pm	WG Dist. Substation Transf. C57.12.36	Dist	Aho/Rossetti	80 CL P	Estancia BC
11:00 am - 12:15 pm	WG Phase-shift Trans. Guide C57.135	Power	T. Lundquist	125 CL S3, O	Estancia F
11:00 am - 12:15 pm	TF Bushing Applicat. Guide C57.19.100	Bush	T. Spitzer	125 CL S3	Estancia G
12:15 pm - 1:45 pm	Speaker Luncheon. Advance registration is necessary -- "Engineers Have a Life, Too!", by Mr. John Futrell -- <u>IMPORTANT</u> : Bring your ticket and place on table to indicate your meal selection.			160 RT S1, P add <u>elevated</u> tbl for 5, add lectern w/mic and lapel	El Viento ABCD (other side of casino near sports bar)
1:45 pm - 3:00 pm	WG Instrument Transformer Standard Requirements C57.13	IT	T. Nelson	40 CL O	Estancia A
1:45 pm - 3:00 pm	WG Dry-Type Test Code C57.12.91	Dry	D. Foster	40 CL P	Estancia E
1:45 pm - 3:00 pm	WG Revision of C57.12.10	Power	J. Arteaga	60 CL P	Estancia D
1:45 pm - 3:00 pm	WG Loss Evaluation Guide C57.12.33	Dist	D. Duckett/ T. Pekarek	80 CL	Estancia BC
1:45 pm - 3:00 pm	WG Revision to Loading Guide C57.91	IL	T. Raymond	125 CL S3, P	Estancia F
1:45 pm - 3:00 pm	WG Dielectric Test Tables, Liquid-filled	DiTests	P. Hopkinson	125 CL S3, P	Estancia G
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i> Estancia ABC and FG foyers				

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Tuesday, October 26 (continued)					
3:15 pm - 4:30 pm	WG Conform. Tests C57.13.2	IT	V. Khalin	40 CL	Estancia A
3:15 pm - 4:30 pm	WG Frequency Response Analysis (FRA) Guide PC57.149	PCS	R. James/ C. Sweetser	40 CL O	Estancia E
3:15 pm - 4:30 pm	TF Standardization of Bulk-type Bushings	Bush	R. Williams/ B. Hartgrove	60 CL	Estancia D
3:15 pm - 4:30 pm	WG Voltage Step Regulators C57.15	Dist	C. Colopy/ G. Kennedy	80 CL P	Estancia BC
3:15 pm - 4:30 pm	WG Revision to Impulse Tests	DiTests	P. Riffon	125 CL S3, O	Estancia F
3:15 pm - 4:30 pm	WG Revision Installation Guide C57.93	Power	M. Lau	125 CL S3, P	Estancia G
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			Estancia ABC and FG foyers	
4:45 pm - 6:00 pm	Presentation #2: "Taps", by V. Sankar **		Sponsor: PCS	200 TH S3, P (with podium and lapel mic)	El Viento CD (other side of casino near sports bar)
No Evening Activity Planned					

Wednesday, October 27 -- Wednesday Breaks Sponsored by Kelman

No Meeting Registration, No Companion Tours					
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			200 RT	El Viento ABCD
8:00 am - 9:00 am	Breakfast - Companions			75 RT	Whiskey Ck Porch
WG Web-page Development Breakfast Meeting			Will not meet this time.		
8:00 am - 9:15 am	EL&P Delegation -- Users only meeting	++	K. Hanus	50 CL	Estancia BC *
8:00 am - 9:15 am	SC Audible Sound & Vibration with WG Sound Level Measurement Guide	ASV	J. Puri	40 CL O	Estancia A *
8:00 am - 9:15 am	SC Instrument Transformer	IT	J. Smith	80 CL O S3	Estancia DE *
8:00 am - 9:15 am	SC Insulation Life	IL	D. Platts	200 CL S3	Estancia FG *
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Estancia ABC and FG foyers	
9:30 am - 10:45 am	TF Transportation Issues Guide (new)	Power	T. Lundquist	80 CL S3, O	Estancia DE
9:30 am - 10:45 am	SC UG Transf. & Network Protectors	UTNP	C. Niemann	50 CL	Estancia BC
9:30 am - 10:45 am	SC Dielectric Tests	DiTests	L. Wagenaar	200 CL S3, O	Estancia FG
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Estancia ABC and FG foyers	
WG Metric Conversion PC57.144			Dist	Will not meet. Std balloted and into publication. Moved to Monday morning, 8:00 am.	
TF Arc Furnace Transformers C57.17			Power		
11:00 am - 12:15 pm	TBD			50 CL, P	Estancia BC
11:00 am - 12:15 pm	SC Insulating Fluids	IF	F. Gryszkiewicz	80 CL O S3	Estancia DE
11:00 am - 12:15 pm	SC Performance Characteristics	PCS	R. Girgis	200 CL S3, P	Estancia FG
12:15 pm - 1:30 pm	Lunch (open)				
1:30 pm - 2:45 pm	TBD			50 CL	Estancia BC
1:30 pm - 2:45 pm	SC Dry Type	Dry	C. Johnson	80 CL O S3	Estancia DE
1:30 pm - 2:45 pm	SC Power Transformers	Power	E. Hager	200 CL S3 P	Estancia FG
2:45 pm - 3:00 pm	<i>Break (beverages and treats)</i>			Estancia ABC and FG foyers	

* primarily CL, but add rows of theater seating in rear of room if necessary

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KEY

> -- activity continued into another session / from another session
 ++ -- not a Transformers Committee activity TBD = to be determined
 O = overhead projector; P = PC projector; F = flip chart; S1 = sound (see note)
 S2 = stand mic in front only; S3 = stand mic in front & 1 stand mic at mid-room

CL -- classroom seating (with head table for 2-3)
 TH -- theater seating (with head table for 2-3)
 RT -- multiple roundtable (8-10/table)
 HS -- one hollow square or U-shape

DATE/TIME	ACTIVITY	SUB-COM	ACTIVITY CHAIR	ROOM CAP/ARR/AV	MEETING ROOM
Wednesday, October 27 (continued)					
3:00 pm - 4:15 pm	IEC TC-14 Technical Advisory Group	++	P. Hopkinson	40 HS P	Estancia A
3:00 pm - 4:15 pm	SC Meetings Planning	Mtgs	G. Anderson	50 CL P	Estancia BC
3:00 pm - 4:15 pm	SC Distribution Transformers	Dist	E. Smith	80 CL O S3	Estancia DE
3:00 pm - 4:15 pm	SC Bushings	Bush	F. Elliott	200 CL S3, O	Estancia FG
4:15 pm - 4:30 pm	<i>Break (beverages only)</i>			Estancia ABC and FG foyers	
4:30 pm - 5:30 pm	SC Transformer Standards	Stds	B. Chiu	200 CL S3, P	Estancia FG
6:00 pm - 10:00 pm	Dinner Social -- "BBQ Dinner at Bonnie Springs, Old Nevada" -- Advance registration is necessary. Western wear is encouraged. -- Buses leave simultaneously from both the GVR and the SS at 6:00 pm. -- Return to both GVR and SS between 10:00 and 10:30 pm. -- <u>IMPORTANT</u> : Show your ticket as you board the bus.				

Thursday, October 28 -- Thursday Committee Break Sponsored by ABB Inc. **

No Meeting Registration, No Companion Tours, No ASC C57 Meeting.					
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			200 RT	El Viento ABCD
8:00 am - 9:00 am	Breakfast - Companions			75 RT	Whiskey Ck Porch
8:00 am - 9:45 am >	Transformers Committee -- <u>All attendees</u> are encouraged to attend. -- With special tutorial/presentation of the new "Association Management System" (all SC, WG and TF chairs are encouraged to attend)		K. Hanus	300 CL S1, P <u>elevat.</u> table for 4 lectern w/mic, one floor mic in each isle	Estancia DEFG (with 3-4 rows of TH in the rear of room)
9:45 am - 10:00 am	<i>Break (beverages only)</i>			Estancia FG Foyer	
> 10:00 am - <u>11:30 pm</u>	Transformers Committee		K. Hanus	300 CL S1, P	Estancia DEFG
12:30 pm - 6:00 pm	Technical Tour: <u>Hoover Dam</u> . -- Everyone will participate in general-public Discovery Tour. A select group will attend the special VIP Tour. -- Buses will leave from GVR at 12:30 pm and make a brief stop at SS. See flyer for more information. -- Those on VIP Tour will return around <u>5:30 pm</u> . Others will return around <u>4:30 pm</u> .				
1:00 pm - 5:00 pm >	NEMA ST-1/ST-20 Revision ++		G. Morehart	25 HS beverages in rear of room; screen, cart, power strip	Estancia BC
	EPRI Power Transf. Project Review	++	Not meeting this time. Will meet in the Fall 2005.		

Friday, October 29

No Transformer Committee Meetings					
	EPRI Power Transf. Project Review	++	Not meeting this time. Will meet in the Fall 2005.		

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FUTURE COMMITTEE MEETINGS

SPRING 2005 - March 13-17; Jackson, Mississippi; Hilton Jackson. Hosted by Andy Speegle and Kuhlman Electric.

FALL 2005 - October 23-27; Memphis, Tennessee; Peabody Memphis. Hosted by Randy Williams and ABB Inc.

SPRING 2006 - TBD

FALL 2006 - TBD

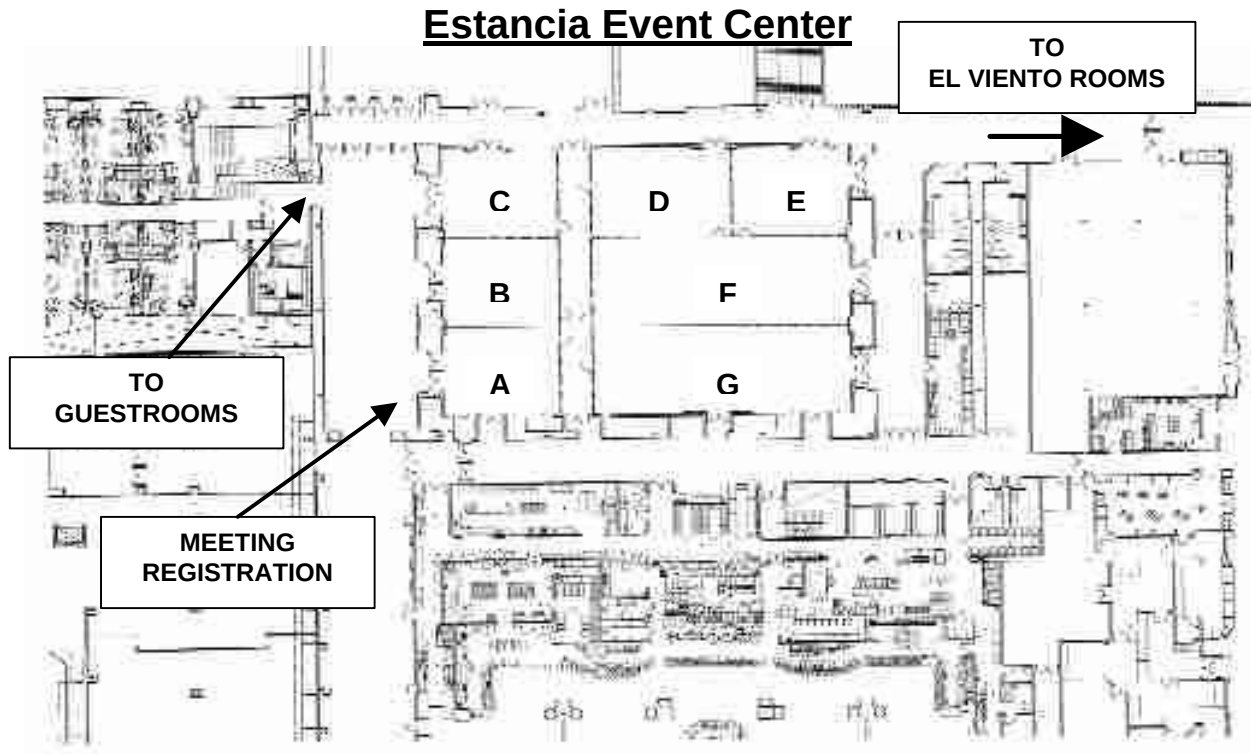
Green Valley Ranch

A Station Casinos Resort & Spa

LAS VEGAS

NOTE: All Attendees Breakfasts are held in the El Viento Room which is across the casino, near the sports bar.

All Companions Breakfasts are held in the Whiskey Creek Porch which is outdoors, near the hotel lobby and pool.



Shuttle Service

Between Green Valley Ranch (GVR) and Sunrise Station (SS)

See schedule posted on the Committee's website, and also distributed at the Sunset Station upon check-in at the hotel.

- This shuttle service is in addition to the buses normally provided by the hotels to the Strip and the airport.
- Look for coach buses marked "IEEE", and 10-passenger buses with the Green Valley Ranch Resort & Spa logo.
- Buses will be provided only at the times posted on the schedule.
- If you miss the bus at the designed time, a taxi can be requested from the hotel valet.