

## IEEE/PES TRANSFORMERS COMMITTEE

www.transformerscommittee.org

Fall 2013 Meeting; October 20-24

Hosted by The H-J Family of Companies

Renaissance Grand Hotel; St. Louis, Missouri 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>
<b>Saturday, October 19</b>					
	No Meeting Registration, No Transformers Committee Meetings				
6:00 pm - 9:00 pm	<u>Early Bird Event:</u> Dinner, bowling and fun at The Flamingo Bowl <www.flamingobowl.com> -- Indicate your desire to attend when registering on-line for the Committee Meeting. -- Meet in hotel lobby at <u>5:45 pm</u> . The Flamingo Bowl is a short walk from the hotel. See flyer for details.				
<b>Sunday, October 20</b>					
	No Technical Tours				
1:00 pm - <u>5:30 pm</u>	Meeting Registration				Conference Plaza Lobby Level
2:00 pm - 5:30 pm	Administrative SC -- Closed meeting, by invitation only	Admin.	B. Chiu	28 US (w/snack buffet)	Westmoreland-Kingsbury
3:00 pm - 5:30 pm	NEMA Transformers -- Closed meeting, by invitation only	++	C. Drexler	26 US (w/beverages)	Pershing-Lindell
6:00 pm - 8:00 pm	Welcome Reception			400 Reception	Crystal BR Grand Tower 20th Floor
<b>Monday, October 21 -- Monday Breaks Sponsored by Cargill, Inc. **</b>					
7:00 am - <u>4:00 pm</u>	Meeting Registration				Conference Plaza Lobby Level
7:00 am - 6:00 pm	Internet Cafe'			12 BD	Washington Room
<u>7:00 am</u> - 7:50 am	Newcomers Orientation -- Breakfast Meeting; arrive early! -- Newcomers & Guests are encouraged to attend!		D. Platts	60 CL (with buffet)	Majestic B-C Conf. Plaza 2nd Floor
7:00 am - 7:50 am	Distribution SC Leaders Coordination -- Closed breakfast meeting, by invitation only		S. Shull	16 CONF (with buffet)	Westmoreland-Kingsbury
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			270 RT (9/tbl)	Majestic D Conf. Plaza (2nd)
8:00 am - 9:00 am	Breakfast - Spouses/Companions (no meeting attendees please)			72 RT (8/tbl)	Statler Room Grand Tower
<u>9:00 am</u> - 4:30 pm <b>Note Depart Time!</b>	<u>Spouses/Companions Tour:</u> "Botanical Garden, Cooling Demo, Cathedral Basilica". Includes cooking demo & lunch at the "L'École Culinaire", a premier cooking school. -- Advance registration required. Buses depart the hotel at <u>9:00 am</u> , and return approx 4:30 pm.				
8:00 am - 9:15 am >	General Session, Transformers Committee (Part 1) -- <u>All attendees</u> are encouraged to attend -- See separate document for meeting agenda -- Session continued on Thursday -- Attendance recorded as eligibility for Committee membership		B. Chiu	200 CL S1 250 TH	Majestic E Conf. Plaza 2nd Floor
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Landmark Foyer	

\*\* Contact Joe Watson (joe\_watson@ieee.org) if you are interested in sponsoring a coffee-break at a future meeting.

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<b>Monday, October 21 (continued)</b>					
9:30 am - 10:45 am	WG 3-ph UG Dist. Transf. C57.12.24	UTNP	G. Termini	80 MX	Landmark 1
9:30 am - 10:45 am	TF Combination of Oil Guides <b>NEW!</b>	IF	T. Prevost	80 MX	Landmark 7
9:30 am - 10:45 am	TF Winding Temp. Indicators	IL	P. McClure	120 MX	Majestic B-C
9:30 am - 10:45 am	WG External Dielectric Clearances	DiTests	E. Davis	150 MX S3	Landmark 5-6
9:30 am - 10:45 am	WG Tertiary/Stabiliz. Windings PC57.158	PCS	E. Betancourt	150 MX S3	Landmark 2-3
9:30 am - 10:45 am	WG Failure Analysis & Report. C57.125	Power	W. Binder	200 MX S3	Landmark 4
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Landmark Foyer	
11:00 am - 12:15 pm	TBD			80 MX	Landmark 1
11:00 am - 12:15 pm	WG Moisture in Insulation PC57.162	IL	T. Prevost	80 MX	Landmark 7
11:00 am - 12:15 pm	WG Overhead Distr. Transf. C57.12.20	Dist	A. Traut	120 MX	Majestic B-C
11:00 am - 12:15 pm	WG PD Acoustic Detection C57.127	DiTests	J. Harley	150 MX S3	Landmark 5-6
11:00 am - 12:15 pm	WG PCS Rev. to Test Code C57.12.90	PCS	M. Perkins	150 MX S3	Landmark 2-3
11:00 am - 12:15 pm	WG Installation of Power Transf. C57.93	Power	M. Lau	200 MX S3	Landmark 4
12:15 pm - 1:30 pm	<u>Lunch Meeting:</u> Standards Development Review		B. Bartley	200 RT (8/tbl)	Majestic D
	-- Special Presentation: "Standards Development Issues", by B. Bartley & E. Spiewak				
	-- Doors actually open ~12:00 pm. Come early, get a good seat, and start eating.				
	-- <u>Everyone</u> is welcome to attend. All SC/WG/TF leaders are <u>highly encouraged</u> to attend.				
	-- Advance reservation required (\$20 for box lunch). No paper tickets. Admission verified at the door.				
1:45 pm - 3:00 pm	WG Standard Require for Secondary Network Protectors C57.12.44	UTNP	B. Wimmer	80 MX	Landmark 1
1:45 pm - 3:00 pm	WG Dry-Type Gen. Require. C57.12.01	Dry	T. Holdway	80 MX	Landmark 7
1:45 pm - 3:00 pm	WG 1-ph Padmount Dist. Transformers C57.12.38 (12.21 & 12.25)	Dist	A. Ghafourian	120 MX	Majestic B-C
1:45 pm - 3:00 pm	WG Less-Flammable Hydrocarbon Insulating Liquid Guide C57.121	IF	D. Sundin	150 MX S3	Landmark 5-6
1:45 pm - 3:00 pm	TF Audible Sound Revision to Test Code	PCS	R. Girgis	150 MX S3	Landmark 2-3
1:45 pm - 3:00 pm	WG Tank Rupture & Mitigation PC57.156	Power	P. Zhao	200 MX S3	Landmark 4
3:00 pm - 3:15 am	<i>Break (beverages only <u>and treats</u>)</i>			Landmark Foyer	
3:15 pm - 4:30 pm	<b>SC HVDC Converter Transformers and Smoothing Reactors</b>	HVDC	M. Sharp	80 MX	Landmark 1
3:15 pm - 4:30 pm	WG Milli-amp Current Transf. C57.13.7	IT	H. Alton	80 MX	Landmark 7
3:15 pm - 4:30 pm	WG 3-ph Padmount Distribution Transformers C57.12.34	Dist	R. Stahara	120 MX	Majestic B-C
3:15 pm - 4:30 pm	WG Natural Ester-Based Fluids C57.147	IF	P. McShane	150 MX S3	Landmark 5-6
3:15 pm - 4:30 pm	WG Dielectric Freq. Response PC57.161	DiTest	A. Naderian	150 MX S3	Landmark 2-3
3:15 pm - 4:30 pm	TBD			200 MX S3	Landmark 4
4:30 pm - 4:45 pm	<i>Break (beverages)</i>			Landmark Foyer	
	<del>WG Transformers Directly Connected to Generators PC57.116</del>	<del>Power</del>	Will not meet; balloting document		
4:45 pm - 6:00 pm	WG Dry-Type O&M Guide C57.94	Dry	D. Stankes	80 MX	Landmark 1
4:45 pm - 6:00 pm	WG PD in Bushings & PT/CTs PC57.160	DiTests	T. Hochanh	80 MX	Landmark 7
4:45 pm - 6:00 pm	WG Step-Voltage Regulators C57.15	Dist	C. Colopy	120 MX	Majestic B-C
4:45 pm - 6:00 pm	WG Oil Accept & Maint. Guide C57.106	IF	B. Rasor	150 MX S3	Landmark 5-6
4:45 pm - 6:00 pm	WG PCS Revisions to C57.12.00	PCS	S. Snyder	150 MX S3	Landmark 2-3
4:45 pm - 6:00 pm	TBD			200 MX S3	Landmark 4
6:00 pm- 10:00 pm	<u>Technical Tour 1:</u> H-J Manufacturing & Test Facility; High Ridge, Missouri -- Space is limited, so register soon! Indicate desire to attend when you register on-line for the meeting. -- Buses begin loading at the hotel at 6:00 pm. Last bus departs at 6:30 pm. -- Dinner served at factory. Return approx 10:00 pm. -- For details, contact Jeff Evitts at +1.636.677.3421 ext 383 or <jeffe@h-j.com>.				

<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 22 -- Tuesday Breaks Sponsored by Brockhaus Messtechnik **					
7:00 am - 12:00 pm	Meeting Registration				Conference Plaza
7:00 am - 6:00 pm	Internet Cafe'			12 BD	Washington Room
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			270 RT (9/tbl)	Majestic D
8:00 am - 9:00 am	Breakfast - Spouses/Companions (no meeting attendees please)			72 RT (8/tbl)	Statler Room
7:00 am - 8:00 am	EL&P Delegation (End-users only please) -- Breakfast Meeting; arrive early		J. Murphy	60 CL (with buffet)	Majestic B-C
9:15 am - 3:30 pm Note Depart Time!	Spouses/Companions Tour: "Gateway Arch, Anheuser-Busch Brewery". Includes lunch at "Franco" Restaur. -- Advance registration required. Buses depart the hotel at 9:15 am, and return approx 3:30 pm.				
8:00 am - 9:15 am	WG Req. for Instrument Transf. C57.13	IT	R. McTaggart	80 MX	Landmark 1
8:00 am - 9:15 am	WG DPV Grid Transformers PC57.159	PCS	H. Shertukde	80 MX	Landmark 7
8:00 am - 9:15 am	WG Enclosure Integrity C57.12.28, C57.12.29, C57.12.31, C57.12.32	Dist	R. Olen	120 MX	Majestic B-C
8:00 am - 9:15 am	WG Oil Reclamation Guide PC57.637	IF	J. Thompson	150 MX S3	Landmark 5-6
8:00 am - 9:15 am	TBD			150 MX S3	Landmark 2-3
8:00 am - 9:15 am	WG Functional Life Tests, De-energized Tap Changers (DETC) PC57.157	Power	P. Hopkinson	200 MX S3	Landmark 4
9:15 am - 9:30 am	Break (beverages only)			Landmark Foyer	
9:30 am - 10:45 am	TF Station Service PTs	IT	D. Wallace	80 MX	Landmark 1
9:30 am - 10:45 am	WG Std Require. for Bushings C57.19.01	Bush	A. Del Rio	80 MX	Landmark 7
9:30 am - 10:45 am	WG Dist. Transf. Bar Coding C57.12.35	Dist	L. Matthews	120 MX	Majestic B-C
9:30 am - 10:45 am	WG DGA Natural Ester Fluids PC57.155	IF	P. Boman	150 MX S3	Landmark 5-6
9:30 am - 10:45 am	TF Committee History -- "Old Timers" welcome!	Mtgs	P. Balma	150 MX S3	Landmark 2-3
9:30 am - 10:45 am	WG Wind Power Transf. P60076-16	PCS	D. Buckmaster	200 MX S3	Landmark 4
10:45 am - 11:00 am	Break (beverages only)			Landmark Foyer	
	WG Temperature Rise Test Procedures -- in Section 11 of C57.12.90	IL	Will not meet; 11.1.2.2 proposal completed		
11:00 am - 12:15 pm	WG Liquid-immersed Secondary Network Transformers C57.12.40	UTNP	B. Klaponski	80 MX	Landmark 1
11:00 am - 12:15 pm	WG GSU Bushings PC57.19.04	Bush	C. Arpino	80 MX	Landmark 7
11:00 am - 12:15 pm	WG Phase Shifting Transformers IEEE/IEC 60076-57-1202	Power	R. Ahuja	120 MX	Majestic B-C
11:00 am - 12:15 pm	WG Guide for DGA in LTCs C57.139	IF	D. Wallach	150 MX S3	Landmark 5-6
11:00 am - 12:15 pm	WG Impulse Tests C57.138 (Distribution)	DiTests	J. Crotty	150 MX S3	Landmark 2-3
11:00 am - 12:15 pm	WG Loss Evaluation Guide C57.120	PCS	A. Traut	200 MX S3	Landmark 4
12:15 pm - 1:30 pm	Awards Luncheon -- 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.		E. Smith	256 RT (8/tbl)	Majestic D
	WG Life Extension C57.140	Power	Will not meet; balloting document		
1:45 pm - 3:00 pm	TBD			80 MX	Landmark 1
1:45 pm - 3:00 pm	WG Revision to Low Frequency Tests	DiTests	B. Poulin	80 MX	Landmark 7
1:45 pm - 3:00 pm	WG Distr. Substation Transf. C57.12.36	Dist	J. Murphy	120 MX	Majestic B-C
1:45 pm - 3:00 pm	WG DGA Factory Temperature Rise Tests PC57.130	IF	J. Thompson	150 MX S3	Landmark 5-6
1:45 pm - 3:00 pm	TBD			150 MX S3	Landmark 2-3
1:45 pm - 3:00 pm	TF Transformer Efficiency and Loss Evaluation (DOE Activity)	Dist	P. Hopkinson	200 MX S3	Landmark 4
3:00 pm - 3:15 pm	Break (beverages and treats)			Landmark 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 table

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, October 22 (continued)					
	<del>WG Dry Type Loading Guide PC57.96</del>	<del>Dry</del>	Will not meet; balloting complete.		
3:15 pm - 4:30 pm	TBD			80 MX	Landmark 1
3:15 pm - 4:30 pm	TF Switching Transients Induced by Transf/Breaker Interaction C57.142	PCS	J. McBride	80 MX	Landmark 7
3:15 pm - 4:30 pm	WG Test Data Reporting C57.12.37	Dist	J. Crotty	120 MX	Majestic B-C
3:15 pm - 4:30 pm	WG Application of High-Temp Insulation Materials, IEEE P-1276	IL	M. Franchek	150 MX S3	Landmark 5-6
3:15 pm - 4:30 pm	WG Revision to Gas Guide C57.104	IF	R. Ladroga	150 MX S3	Landmark 2-3
3:15 pm - 4:30 pm	TBD			200 MX S3	Landmark 4
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			Landmark Foyer	
4:45 pm - 6:00 pm	TBD			80 MX	Landmark 1
4:45 pm - 6:00 pm	WG Neutral Grounding Devices PC57.32	PCS	S. Kennedy	80 MX	Landmark 7
4:45 pm - 6:00 pm	WG Tank Pressure Coordinat. C57.12.39	Dist	C. Gaytan	120 MX	Majestic B-C
4:45 pm - 6:00 pm	TF Moisture in Oil	IF	B. Rasor	150 MX S3	Landmark 5-6
4:45 pm - 6:00 pm	WG Transf. Paralleling Guide PC57.153	Power	T. Jauch	150 MX S3	Landmark 2-3
4:45 pm - 6:00 pm	WG Revisions to Impulse Test Sections of C57.12.00 and C57.12.90	DiTests	TBD	200 MX S3	Landmark 4
6:30 pm- 10:00 pm	<u>Technical Tour 2:</u> ABB Transformer Facility; St. Louis, Missouri -- Space is limited; initially <u>only Committee Members and Active Participants</u> . -- Buses begin loading at the hotel at 6:00 pm. Last bus departs at 6:45 pm. -- Dinner served at factory. Return approx 10:00 pm. -- For details, contact Mr. Tomasz Soltyszewski at +1.314.679.4597 or <tomasz.soltyszewski@us.abb.com>.				
Wednesday, October 23 -- Wednesday Breaks Sponsored by Doble Engineering, Co. ***					
	No Meeting Registration, No Technical Tours, No Spouse/Companion Tour				
7:00 am - 6:00 pm	Internet Cafe'			12 BD	Washington Room
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			256 RT (9/tbl)	Majestic D
8:00 am - <u>9:30 am</u>	Breakfast - Spouses/Companions (no meeting attendees please)			72 RT (8/tbl)	Statler Room
7:00 am - 7:50 am	<b>SC Meetings Planning</b>	Mtgs	G. Anderson	24 CL (with buffet)	Majestic A
7:00 am - 8:30 am	IEC TC-14 Technical Advisory Group -- Breakfast Meeting; arrive early -- All interested individuals welcome	++	P. Hopkinson	60 CL (with buffet)	Majestic B-C
8:00 am - 9:15 am	<b>SC Instrument Transformers</b>	IT	R. McTaggart	150 MX S3	Landmark 5-6
8:00 am - 9:15 am	<b>SC Insulation Life</b>	IL	B. Forsyth	300 MX S3	Landmark 1-2-3-4
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Landmark Foyer	
9:30 am - 10:45 am	<b>SC Bushings</b>	Bush	P. Zhao	150 MX S3	Landmark 5-6
9:30 am - 10:45 am	<b>SC Distribution Transformers</b>	Dist	S. Shull	300 MX S3	Landmark 1-2-3-4
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Landmark Foyer	

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<b>Wednesday, October 23 (continued)</b>					
11:00 am - 12:15 pm	<b>SC UG Transf. &amp; Network Protectors</b>	UTNP	C. Niemann	150 MX S3	Landmark 5-6
11:00 am - 12:15 pm	<b>SC Dielectric Tests</b>	DiTests	M. Franchek	300 MX S3	Landmark 1-2-3-4
12:15 pm - 1:30 pm	Lunch (on your own)				
1:30 pm - 2:45 pm	<b>SC Dry Type</b>	Dry	C. Johnson	150 MX S3	Landmark 5-6
1:30 pm - 2:45 pm	<b>SC Power Transformers</b>	Power	J. Watson	300 MX S3	Landmark 1-2-3-4
2:45 pm - 3:00 pm	<i>Break (beverages <u>and</u> treats)</i>			Landmark Foyer	
3:00 pm - 4:15 pm	<b>SC Insulating Fluids</b>	IF	S. McNelly	150 MX S3	Landmark 5-6
3:00 pm - 4:15 pm	<b>SC Performance Characteristics</b>	PCS	E. teNyenhuis	300 MX S3	Landmark 1-2-3-4
4:15 pm - 4:30 pm	<i>Break (beverages only)</i>			Landmark Foyer	
4:30 pm - 5:30 pm	<b>SC Standards</b>	Stds	B. Bartley	300 MX S3	Landmark 1-2-3-4
6:00 pm - 10:00 pm	<b>Dinner Social:</b> Peabody Opera House, with Tony n' Tina's Wedding. Advance registration is necessary. -- Buses begin shuttling from the hotel at 5:45 pm. Last bus departs the hotel at 6:30 pm. -- Begin with cocktails, hors d'oeuvres, tours of building. Dinner & entertainment begins at 7:00 pm. -- Buses begin shuttling back to hotel at 9:00 pm, and continue shuttling until 10:00 pm. -- Paper tickets are not provided. Admission verified with a registration list as you enter the Opera House.				

#### **Thursday, October 24**

No Meeting Registration, No Spouses/Companions Tours, No Technical Tours, No Internet Cafe'					
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			256 RT (9/tbl)	Majestic D
8:00 am - <u>9:30 am</u>	Breakfast - Spouses/Companions (no meeting attendees please)			64 RT (8/tbl)	Statler Room
8:00 am - 9:15 am	Technical Presentation #1: "TBD", by TBD Sponsored by TBD SC. See flyer on website			200 CL S1 200 TH	Majestic E Conf. Plaza 2nd Floor
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Majestic Foyer	
9:30 am - 10:45 am	Technical Presentation #2: "TBD", by TBD Sponsored by TBD SC. See flyer on website			200 CL S1 200 TH	Majestic E
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Majestic Foyer	
> 11:00 am - 12:00 pm	General Session, Transformers Committee (Part 2) -- <u>All attendees</u> are encouraged to attend -- See separate document for meeting agenda		B. Chiu	200 CL S1 200 TH	Majestic E
	Lunch (on your own)				
1:30 pm - 5:00 pm	EPRI Transformers Task Force -- Closed meeting, by invitation only	++	L. Van der Zel	28 US (w/beverages)	Westmoreland/ Kingsbury Room

#### **Friday, October 25**

No Transformer Committee Meetings, No Internet Cafe', No Social Events or Tours.

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

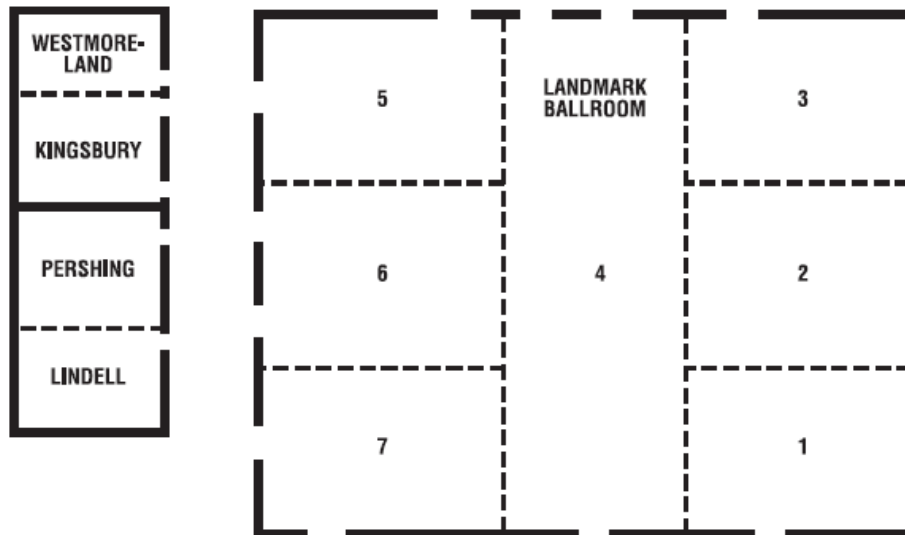
#### **FUTURE COMMITTEE MEETINGS**

Spring 2014 - March 23-27; Savannah, Georgia USA. Hosted by EFACEC

Fall 2014 - October 19-23 or 26-30; USA location to be determined

**Renaissance Grand Hotel**  
**800 Washington Avenue; St. Louis, Missouri 63101**  
**(314) 621-9600**

**CONFERENCE PLAZA**



**MAJESTIC FOYER  
SECOND FLOOR**

