

IEEE/PES TRANSFORMERS COMMITTEE
www.transformerscommittee.org
Spring 2014 Meeting; March 23-27
Hosted by Efacec Power Transformers
Savannah Marriott Riverfront; Savannah, Georgia 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, March 21					
8:00 am - 5:00 pm >	IEEE/IEC WG Wind Transf. P60076-16	PCS	D. Buckmaster	20 US	Academy
Saturday, March 22					
	No Meeting Registration				
> 8:00 am - 12:00 pm >	IEEE/IEC WG Wind Transf. P60076-16	PCS	D. Buckmaster	20 US	Academy
7:00 pm until ???	<u>Early Bird Event:</u> Dinner, music and fun at "Savannah Smiles Dueling Pianos Saloon". -- Indicate your desire to attend when registering on-line for the Committee Meeting. -- Meet in hotel lobby at <u>6:45 pm</u> . Savannah Smiles is ~8 minute walk from the hotel. See flyer for details.				
Sunday, March 23					
9:00 am - 1:30 pm	<u>Technical Tour:</u> Efacec Transformer Facility -- Space is limited; initially <u>only Committee Members and Active Participants</u> . -- Buses depart Marriott Hotel at 9:00 am. Return by 1:30 pm. -- Catered lunch at the factory. Each breakfast before departing in the morning. -- For more details, contact Erin Carpenter at +1.912.754.5435 or <erin.carpenter@efacec.com>.				
1:00 pm - <u>5:30 pm</u>	Meeting Registration				Ballroom Foyer
2:00 pm - 5:30 pm	Administrative SC -- Closed meeting, by invitation only	Admin.	D. Platts	28 US (w/snack buffet)	Oglethorpe AB
3:00 pm - 5:30 pm	NEMA Transformers -- Closed meeting, by invitation only	++	C. Drexler	24 US (w/beverages)	Plaza
6:00 pm - 8:00 pm	Welcome Reception			450 Reception	Atrium & Riverwalk
Monday, March 24 -- Monday Breaks Sponsored by JSHP Transformer **					
7:00 am - <u>4:00 pm</u>	Meeting Registration				Ballroom Foyer
7:00 am - 6:00 pm	Internet Cafe'			12 BD	Mercer
<u>7:00 am</u> - 7:50 am	Newcomers Orientation -- Breakfast Meeting; arrive early! -- Newcomers & Guests are encouraged to attend!		S. Antosz	60 CL (with buffet)	Savannah E
7:00 am - 7:50 am	Distribution SC Leaders Coordination -- Closed breakfast meeting, by invitation only		S. Shull	18 CONF (with buffet)	Academy
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			300 RT (9/tbl)	Savannah A
8:00 am - 9:30 am	Breakfast - Spouses/Companions (no meeting attendees please)			96 RT (8/tbl)	Atrium & Riverwalk
9:15 am - 3:30 pm	<u>Spouses/Companions Tour:</u> Historic District Tour and Bonaventure Cemetery, and lunch at Pirates House -- Advance registration required. Buses depart the Marriott Hotel at 9:15 am, and return approx 3:30 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 250 TH	Savannah BC
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Ballroom 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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Monday, March 24 (continued)					
9:30 am - 10:45 am	WG 3-ph UG Dist. Transf. C57.12.24	UTNP	G. Termini	60 MX	Plaza
9:30 am - 10:45 am	TF Winding Temp. Indicators	IL	P. McClure	80 MX	Oglethorpe AB (2nd floor)
9:30 am - 10:45 am	WG External Dielectric Clearances	DiTests	E. Davis	100 MX S2	Savannah D
9:30 am - 10:45 am	TF Consolidation of Oil Guides	IF	T. Prevost	100 MX S2 (add 40 TH)	Savannah E
9:30 am - 10:45 am	WG Tertiary/Stabiliz. Windings PC57.158	PCS	E. Betancourt	200 MX S3	Savannah B
9:30 am - 10:45 am	WG Failure Analysis & Report. C57.125	Power	W. Binder	200 MX S3	Savannah C
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Ballroom Foyer	
11:00 am - 12:15 pm	TBD			60 MX	Plaza
11:00 am - 12:15 pm	WG Moisture in Insulation PC57.162	IL	T. Prevost	80 MX	Oglethorpe AB
11:00 am - 12:15 pm	WG Overhead Distr. Transf. C57.12.20	Dist	A. Traut	100 MX S2	Savannah D
11:00 am - 12:15 pm	WG PD Acoustic Detection C57.127	DiTests	D. Gross	100 MX S2	Savannah E
11:00 am - 12:15 pm	WG PCS Rev. to Test Code C57.12.90	PCS	M. Perkins	200 MX S3	Savannah B
11:00 am - 12:15 pm	WG Installation of Power Transf. C57.93	Power	M. Lau	200 MX S3	Savannah C
12:15 pm - 1:30 pm	<u>Lunch Meeting:</u> Standards Development Review		B. Bartley	280 RT (8/tbl)	Savannah A
	-- Special Presentation: "Review of Association Management System (AMS)", by G. Anderson				
	-- <u>Everyone</u> is welcome to attend. All SC/WG/TF leaders are <u>highly encouraged</u> to attend.				
	-- Doors actually open ~12:00 pm. Come early, get a good seat, and start eating.				
	-- <u>Complimentary meal</u> with advance registration. No paper tickets. Admission verified at the door.				
	WG Standard Require for Secondary Network Protectors C57.12.44	UTNP	Document sent to RevCom.		
1:45 pm - 3:00 pm	TBD			60 MX	Plaza
1:45 pm - 3:00 pm	WG Dry-Type Gen. Require. C57.12.01	Dry	T. Holdway	80 MX	Oglethorpe AB
1:45 pm - 3:00 pm	WG 1-ph Padmount Dist. Transformers C57.12.38 (12.21 & 12.25)	Dist	A. Ghafourian	100 MX S2	Savannah D
1:45 pm - 3:00 pm	WG Less-Flammable Hydrocarbon Insulating Liquid Guide C57.121	IF	D. Sundin	100 MX S2	Savannah E
1:45 pm - 3:00 pm	TF Audible Sound Revision to Test Code	PCS	R. Girgis	200 MX S3	Savannah B
1:45 pm - 3:00 pm	WG Tank Rupture & Mitigation PC57.156	Power	P. Zhao	200 MX S3	Savannah C
3:00 pm - 3:15 am	<i>Break (beverages only and treats)</i>			Ballroom Foyer	
3:15 pm - 4:30 pm	SC HVDC Converter Transformers and Smoothing Reactors	HVDC	M. Sharp	60 MX	Plaza
3:15 pm - 4:30 pm	WG Milli-amp Current Transf. C57.13.7	IT	H. Alton	80 MX	Oglethorpe AB
3:15 pm - 4:30 pm	WG 3-ph Padmount Distribution Transformers C57.12.34	Dist	R. Stahara	100 MX S2	Savannah D
3:15 pm - 4:30 pm	WG Natural Ester-Based Fluids C57.147	IF	P. McShane	100 MX S2	Savannah E
3:15 pm - 4:30 pm	WG Dielectric Freq. Response PC57.161	DiTest	A. Naderian	200 MX S3	Savannah B
3:15 pm - 4:30 pm	TBD			200 MX S3	Savannah C
4:30 pm - 4:45 pm	<i>Break (beverages)</i>			Ballroom Foyer	
4:45 pm - 6:00 pm	WG Dry-Type O&M Guide C57.94	Dry	D. Stankes	60 MX	Plaza
4:45 pm - 6:00 pm	WG PD in Bushings & PT/CTs PC57.160	DiTests	T. Hochanh	80 MX	Oglethorpe AB
4:45 pm - 6:00 pm	WG Step-Voltage Regulators C57.15	Dist	C. Colopy	100 MX S2	Savannah D
4:45 pm - 6:00 pm	WG Oil Accept & Maint. Guide C57.106	IF	B. Rasor	100 MX S2	Savannah E
4:45 pm - 6:00 pm	WG PCS Revisions to C57.12.00	PCS	S. Snyder	200 MX S3	Savannah B
4:45 pm - 6:00 pm	TBD			200 MX S3	Savannah C
6:00 pm - 10:00 pm	No Technical Tour. No other evening events planned.				

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Tuesday, March 25 -- Tuesday Breaks Sponsored by Baron USA, Inc. **					
7:00 am - <u>12:00 pm</u>	Meeting Registration				Ballroom Foyer
7:00 am - 6:00 pm	Internet Cafe'			12 BD	Mercer
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			300 RT (9/tbl)	Savannah A
8:00 am - 9:30 am	Breakfast - Spouses/Companions (no meeting attendees please)			96 RT (8/tbl)	Atrium & Riverwalk
<u>7:00 am</u> - 7:50 am	EL&P Delegation (end-users only please) -- Breakfast Meeting; arrive early		J. Murphy	60 CL (with buffet)	Savannah E
9:15 am - 3:30 pm	<u>Spouses/Companions Tour:</u> Paula Deen Tour & Tybee Island, and lunch at Uncle Bubba's Oyster House -- Advance registration required. Buses depart the Marriott 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	60 MX	Plaza
8:00 am - 9:15 am	WG Oil Reclamation Guide PC57.637	IF	J. Thompson	80 MX	Oglethorpe AB
8:00 am - 9:15 am	WG Enclosure Integrity C57.12.28, C57.12.29, C57.12.31, C57.12.32	Dist	R. Olen	100 MX S2	Savannah D
8:00 am - 9:15 am	TBD			<u>100 MX</u> S2	Savannah E
8:00 am - 9:15 am	TF Geomagnetic Disturbances (NEW)	Admin	J. Verner	200 MX S3	Savannah B
8:00 am - 9:15 am	WG Functional Life Tests, De-energized Tap Changers (DETC) PC57.157	Power	P. Hopkinson	200 MX S3	Savannah C
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Ballroom Foyer	
	WG Dist. Transf. Bar Coding C57.12.35	Dist	Document is complete and published.		
	TF Committee History	Mtgs	Will meet at the Fall Meeting.		
9:30 am - 10:45 am	WG 1-Ph Submersible Transformers C57.12.23 (NEW)	UTNP	A. Traut	60 MX	Plaza
9:30 am - 10:45 am	WG Station Service Voltage Transformers	IT	D. Wallace	80 MX	Oglethorpe AB
9:30 am - 10:45 am	TBD			100 MX S2	Savannah D
9:30 am - 10:45 am	WG Std Require for Bushings C57.19.01	Bush	S. Zhang	100 MX S2	Savannah E
9:30 am - 10:45 am	WG DGA Natural Ester Fluids PC57.155	IF	P. Boman	200 MX S3	Savannah B
> 9:30 am - 10:45 am	IEEE/IEC WG Wind Transf. P60076-16 -- Will also meet Fri-Sat 21-22 March	PCS	D. Buckmaster	200 MX S3	Savannah C
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Ballroom Foyer	
11:00 am - 12:15 pm	WG Liquid-immersed Secondary Network Transformers C57.12.40	UTNP	B. Klaponski	60 MX	Plaza
11:00 am - 12:15 pm	WG Phase Shifting Transformers IEEE/IEC 60076-57-1202	Power	R. Ahuja	80 MX	Oglethorpe AB
11:00 am - 12:15 pm	WG Impulse Tests C57.138 (Distribution)	DiTests	J. Crotty	100 MX S2	Savannah D
11:00 am - 12:15 pm	WG GSU Bushings PC57.19.04	Bush	C. Arpino	100 MX S2	Savannah E
11:00 am - 12:15 pm	WG Guide for DGA in LTCs C57.139	IF	D. Wallach	200 MX S3	Savannah B
11:00 am - 12:15 pm	WG Loss Evaluation Guide C57.120	PCS	A. Traut	200 MX S3	Savannah C
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.		B. Chiu	320 RT (8/tbl)	Savannah A
	TF Transf. Efficiency & Loss Evaluation	Dist	Work is complete. DOE has issued its final rule.		
1:45 pm - 3:00 pm	TBD			60 MX	Plaza
1:45 pm - 3:00 pm	TF Fluid Terms Normalization	Stds	P. McShane	80 MX	Oglethorpe AB
1:45 pm - 3:00 pm	WG Distr. Substation Transf. C57.12.36	Dist	J. Murphy	100 MX S2	Savannah D
1:45 pm - 3:00 pm	WG Revision to Low Frequency Tests	DiTests	B. Poulin	100 MX S2	Savannah E
1:45 pm - 3:00 pm	WG DGA Factory Temperature Rise Tests PC57.130	IF	J. Thompson	200 MX S3	Savannah B
1:45 pm - 3:00 pm	WG DPV Grid Transformers PC57.159	PCS	H. Shertukde	200 MX S3	Savannah C
3:00 pm - 3:15 pm	<i>Break (beverages and Pretzels!)</i>			Ballroom 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, March 25 (continued)					
3:15 pm - 4:30 pm	WG Dry-Type Test Code C57.12.91	Dry	D. Foster	60 MX	Plaza
3:15 pm - 4:30 pm	TF Switching Transients Induced by Transf/Breaker Interaction C57.142	PCS	J. McBride	80 MX	Oglethorpe AB
3:15 pm - 4:30 pm	WG Test Data Reporting C57.12.37	Dist	J. Crotty	100 MX S2	Savannah D
3:15 pm - 4:30 pm	WG Application of High-Temp Insulation Materials, IEEE P-1276	IL	M. Franchek	100 MX S2	Savannah E
3:15 pm - 4:30 pm	WG Revision to Gas Guide C57.104	IF	R. Ladroga	200 MX S3	Savannah B
3:15 pm - 4:30 pm	TBD			200 MX S3	Savannah C
4:30 pm - 4:45 pm	Break (beverages only)			Ballroom Foyer	
	TF Moisture in Oil	IF	Scope of TF moved to Moisture in Insulation WG.		
4:45 pm - 6:00 pm	TBD			60 MX	Plaza
4:45 pm - 6:00 pm	WG Neutral Grounding Devices PC57.32	PCS	S. Kennedy	80 MX	Oglethorpe AB
4:45 pm - 6:00 pm	WG Tank Pressure Coordinat. C57.12.39	Dist	C. Gaytan	100 MX S2	Savannah D
4:45 pm - 6:00 pm	TBD			100 MX S2	Savannah E
4:45 pm - 6:00 pm	WG Transf. Paralleling Guide PC57.153	Power	T. Jauch	200 MX S3	Savannah B
4:45 pm - 6:00 pm	WG Revisions to Impulse Test Sections of C57.12.00 and C57.12.90	DiTests	P. Riffon	200 MX S3	Savannah C
6:30 pm- 10:00 pm	No Technical Tour. No other evening events planned.				
Wednesday, March 26 -- Wednesday Breaks Sponsored by Weidmann Diagnostic Services ***					
	No Meeting Registration, No Technical Tours, No Spouse/Companion Tour				
7:00 am - 6:00 pm	Internet Cafe'			12 BD	Mercer
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			300 RT (9/tbl)	Savannah A
8:00 am - 9:30 am	Breakfast - Spouses/Companions (no meeting attendees please)			88 RT (8/tbl)	Atrium & Riverwalk
7:00 am - 7:50 am	SC Meetings Planning	Mtgs	G. Anderson	60 CL (with buffet)	Savannah D
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)	Savannah E
8:00 am - 9:15 am	SC Instrument Transformers	IT	R. McTaggart	100 MX S2 (add 40 TH)	Savannah D
8:00 am - 9:15 am	SC Insulation Life	IL	B. Forsyth	350 MX S3	Savannah BC
9:15 am - 9:30 am	Break (beverages only)			Ballroom Foyer	
9:30 am - 10:45 am	SC Bushings	Bush	P. Zhao	100 MX S2	Savannah D
9:30 am - 10:45 am	SC Distribution Transformers	Dist	S. Shull	350 MX S3	Savannah BC
10:45 am - 11:00 am	Break (beverages only)			Ballroom Foyer	

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Wednesday, March 26 (continued)					
11:00 am - 12:15 pm	SC UG Transf. & Network Protectors	UTNP	C. Niemann	100 MX S2	Savannah D
11:00 am - 12:15 pm	SC Dielectric Tests	DiTests	M. Franchek	350 MX S3	Savannah BC
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	Savannah D
1:30 pm - 2:45 pm	SC Power Transformers	Power	J. Watson	350 MX S3	Savannah BC
2:45 pm - 3:00 pm	<i>Break (beverages <u>and</u> treats)</i>			Ballroom Foyer	
3:00 pm - 4:15 pm	SC Insulating Fluids	IF	D. Wallach	100 MX S2	Savannah D
3:00 pm - 4:15 pm	SC Performance Characteristics	PCS	E. teNyenhuis	350 MX S3	Savannah BC
4:15 pm - 4:30 pm	<i>Break (beverages only)</i>			Ballroom Foyer	
4:30 pm - 5:30 pm	SC Standards	Stds	B. Bartley	350 MX S3	Savannah BC
6:00 pm - 9:00 pm	<u>Dinner Social</u> : Dinner Cruise aboard the "Savannah River Queen". -- The boat is docked directly behind the hotel. Advance registration is necessary. -- Boarding and cocktails 6:00 to 7:00 pm. Embark at 7:00 pm. Return approx 9:00 pm. -- Paper tickets will NOT be provided. Admission will be verified with a registration list as you board the boat. -- It will be cool temperature in the evening, so dress appropriately.				

Thursday, March 27

	No Meeting Registration, No Spouses/Companions Tours, No Internet Cafe'				
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			315 RT (9/tbl)	Savannah A
8:00 am - 9:30 am	Breakfast - Spouses/Companions (no meeting attendees please)			80 RT (8/tbl)	Atrium & Riverwalk
8:00 am - 9:15 am	Technical Presentation #1: "Switching Transients", by B. Degeneff, A. Rocha, and others. Sponsored by Perform. Characteristics SC. See flyer on website.			250 CL S1 200 TH	Savannah BC
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Ballroom Foyer	
9:30 am - 10:45 am	Technical Presentation #2: "Review of C57.143 Guide for Monitoring Power Transformers", by C. Beauchemin, J. Benach, D. Chu, T. Pink, and B. Sparling. Sponsored by Power Transformers SC. See flyer on website			250 CL S1 200 TH	Savannah BC
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Ballroom Foyer	
> 11:00 am - 12:00 pm	Closing Session -- <u>All attendees</u> are encouraged to attend -- See separate document for meeting agenda		D. Platts	250 CL S1 200 TH	Savannah BC
	Lunch (on your own)				
> 1:00 pm - 5:00 pm	WG Phase Shifting Transformers IEEE/IEC 60076-57-1202 -- Continued from 11:00 am Tuesday	Power	R. Ahuja	20 US	Savannah E
1:30 pm - 4:00 pm	<u>Technical Tour</u> : Gulfstream Aerospace Corporation -- Space is limited; so register early! -- Due to security restrictions, a passport is necessary (passport from US or other country). -- Buses depart Marriott at 1:30 am. Return to hotel at approx 4:00 pm. -- Small fee for cost of bus transportation. -- For more details, contact Erin Carpenter at +1.912.754.5435 or <erin.carpenter@efacec.com>.				
	No EPRI Task Force Meeting (will meet at each Fall Meeting)				

Friday, March 28

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.

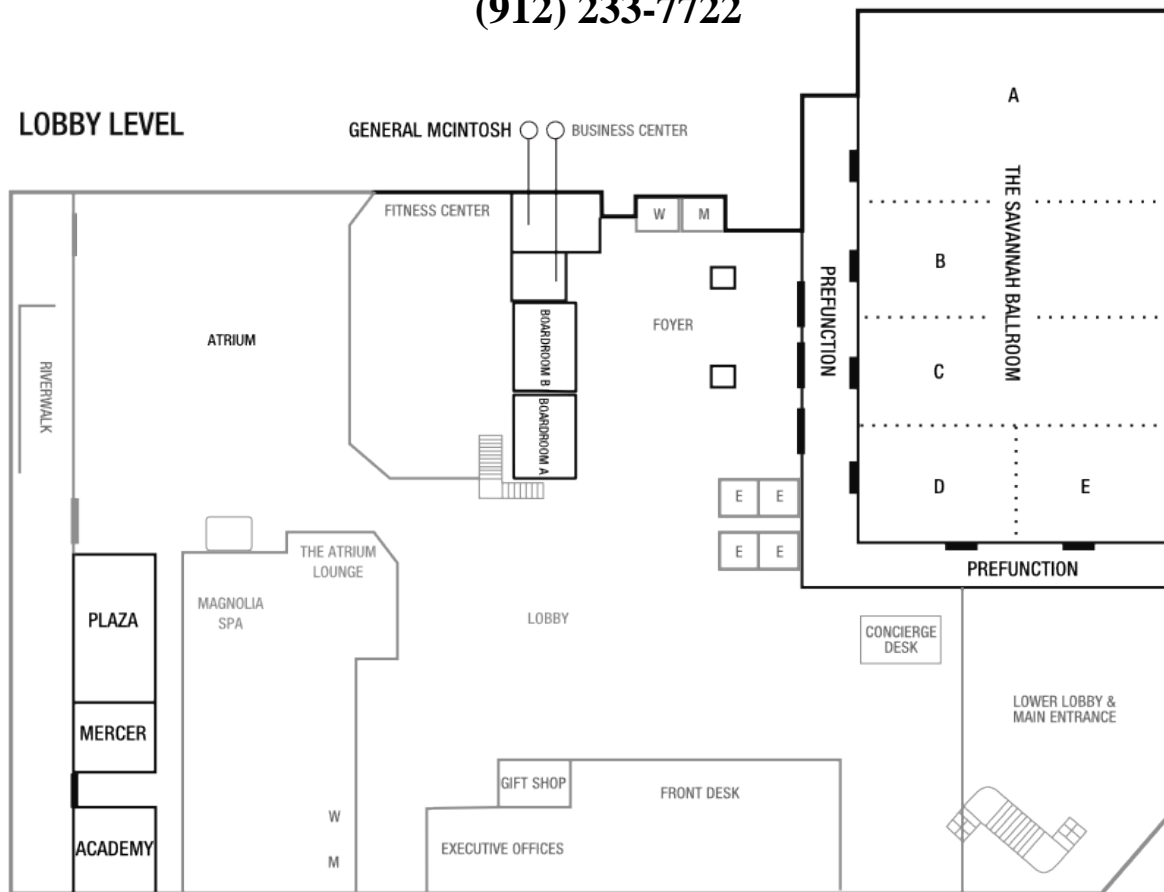
FUTURE COMMITTEE MEETINGS

Fall 2014 - October 19-23; Washington DC Metro Area, USA. Hosted by Pepco

Spring 2015 - Dates to be determined; USA location to be determined

Savannah Marriott Riverfront

100 General McIntosh Boulevard; Savannah, Georgia 31401
(912) 233-7722



SECOND FLOOR

