

IEEE/PES TRANSFORMERS COMMITTEE
www.transformerscommittee.org
Spring 2009 Meeting; April 19-23, 2009
Hosted by Mark Roberts and North American Substation Services
Hilton Miami Downtown; Miami, Florida USA

NOTES: See Page 5 for a key to abbreviations. A vertical line in the left margin indicates a noteworthy revision since last revision.

<u>DATE/TIME</u>	<u>ACTIVITY</u>	<u>SUB-COM</u>	<u>ACTIVITY CHAIR</u>	<u>ROOM CAP/ARR/AV</u>	<u>MEETING ROOM (Floor)</u>
Saturday, April 18 (no meeting registration this day)					
No Meeting Registration, No Meetings, No Social Events					
Sunday, April 19					
7:00 am - 1:30 pm	Golf Scramble at the Doral Golf Resort & Spa. Advanced Registration Necessary. Limited Attendance. -- Bus departs the Hilton at 7:00 am and return ~1:30 pm. Includes lunch. Eat breakfast beforehand. -- Contact Ms. Barb Siler at (407) 788-3717 x 204 or bsiler@nassusa.com for questions.				
1:00 pm - 5:30 pm	Meeting Registration				Ballroom Level
2:00 pm - 5:30 pm	Administrative SC -- closed meeting, by invitation only	Admin.	T. Prevost	24 US (w/snack buffet)	Tenor
2:00 pm - 5:30 pm	NEMA Transformers -- closed meeting, by invitation only	++	C. Drexler	15 US (w/beverages)	Soprano
6:00 pm - 8:00 pm	Welcome Reception			350 Reception	Symphony 1/2 (Ballroom Level)
Monday, April 20 -- Monday Breaks Sponsored by JSHP Transformer ***					
7:00 am - 5:00 pm	Meeting Registration				Ballroom Level
7:00 am - 6:00 pm	Internet Cafe'			12 SQ	Alto
7:00 am - 7:50 am	Newcomers Orientation Breakfast Mtg (arrive early!) -- Newcomers & Guests are encouraged to attend!		E. Smith	40 CL	Soprano
7:00 am - 7:45 am	Distribution SC Coordination Mtg (by invitation only)		K. Hanus	14 CONF	Metronome
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			250 RT (8/tbl)	Symphony 3
8:00 am - 9:00 am	Breakfast - Companions (no meeting attendees please)			75 RT (8/tbl)	The Market (Lobby Level)
9:15 am - 3:30 pm	Companion Tour: "Miami City Tour & Millionaires Cruise". Includes lunch. Advance registration required. Bus departs the Hilton Hotel at 9:15 am and returns around 3:30 pm.				
	TF Arc Furnace Transformers C57.17		Draft is complete		
	Short Circuit Tests Guide		Draft has been forwarded to Performance Characteristics SC		
	TF Moisture Estimation in Insulation		Will report activity and progress at the Insulation Life SC meeting		
8:15 am - 10:45 am	IEC TC-14 Technical Advisory Group (all interested individuals welcome)	++	P. Hopkinson	30 CL	Soprano
8:00 am - 9:15 am	WG Dry-Type Reactors C57.16	Dry	R. Dudley	40 CL	Tenor
8:00 am - 9:15 am	WG 3-ph Underground Distribution Transformers C57.12.24	UTNP	G. Termini	50 CL	Picasso
8:00 am - 9:15 am	TF DPV Grid Transformers (New!)	Power	H. Shertukde	80 CL	Concerto C/D
8:00 am - 9:15 am	TBD			80 CL	Concerto B
8:00 am - 9:15 am	TF Electrical Partial Discharge Measurements Guide C57.113	DiTests	E. Lemke	100 CL S3	Concerto A
8:00 am - 9:15 am	WG Transformer Monitoring C75.143	Power	D. Chu	150 CL S3	Symphony 1
9:15 am - 9:30 am	Break (beverages only)			Ballroom Foyer	

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

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Monday, April 20 (continued)					
9:30 am - 10:45 am	WG Sealed Dry-Type Power Transformers C57.12.52	Dry	S. Kennedy	40 CL	Tenor
9:30 am - 10:45 am	WG Liquid-immersed Secondary Network Transformers C57.12.40	UTNP	B. Klaponski	50 CL	Picasso
9:30 am - 10:45 am	WG Overhead Distribution Transformers C57.12.20	Dist	A. Wilks/ T.Cooper	80 CL	Concerto C/D
9:30 am - 10:45 am	WG Revision of C57.12.10	Power	J. Arteaga	80 CL	Concerto B
9:30 am - 10:45 am	TF Furan Tests	IL	K. Haggerty	100 CL S3	Concerto A
9:30 am - 10:45 am	WG PCS Rev. to Test Code C57.12.90	PCS	M. Perkins	150 CL S3	Symphony 1
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Ballroom Foyer	
11:00 am - 12:15 pm	WG Revision to Low Frequency Tests (B. Poulin) moved to Tuesday afternoon				
	WG Dry-Type Gen. Require. C57.12.01	Dry	J. Sullivan	40 CL	Tenor
11:00 am - 12:15 pm	TF IEEE-IEC Cross Reference	Stds	J. Sim	50 CL	Picasso
11:00 am - 12:15 pm	WG Control Cabinets PC57.148	Power	J. Watson	80 CL	Concerto C/D
11:00 am - 12:15 pm	WG 1-ph Padmount Distribution Transformers C57.12.38 (12.21 & 12.25)	Dist	A. Ghafourian/ M. Faulkenberry	80 CL	Concerto B
11:00 am - 12:15 pm	TF External Dielectric Clearances	DiTests	E. Davis	100 CL S3	Concerto A
11:00 am - 12:15 pm	WG Thermal Evaluation of Power and Distribution Transformers C57.100	IL	R. Wicks	150 CL S3	Symphony 1
12:15 pm - 1:30 pm	<u>Lunch Meeting</u> : Standards Development Review -- All SC/WG/TF leaders are encouraged to attend. -- Advance reservation required (\$20 for box lunch). -- No paper tickets. Admission verified at the door.		B. Bartley	120 RT (8/tbl)	Symphony 3
1:45 pm - 3:00 pm	WG Thermal Evaluation C57.12.56/60 TBD		Issues covered in Dry SC meeting		
				40 CL	Tenor
1:45 pm - 3:00 pm	SC HVDC Converter Transformers and Smoothing Reactors	HVDC	R. Dudley	50 CL	Picasso
1:45 pm - 3:00 pm	WG 3-ph Padmount Distribution Transformers C57.12.34	Dist	R. Stahara/ S. Shull	80 CL	Concerto C/D
1:45 pm - 3:00 pm	WG Tap Changer Performance C57.131	Power	W. Henning	80 CL	Concerto B
1:45 pm - 3:00 pm	TF Special Dielectric Test Issues	DiTests	B. Forsyth	100 CL S3	Concerto A
1:45 pm - 3:00 pm	WG Frequency Response Analysis (FRA) Guide PC57.149	PCS	C. Sweetser	150 CL S3	Symphony 1
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i>			Ballroom Foyer	
3:15 pm - 4:30 pm	WG Dry-Type Test Code C57.12.91	Dry	D. Foster	40 CL	Tenor
3:15 pm - 4:30 pm	TF PD in Bushings and PTs/CTs (New!)	DiTests	T. Hochanh	50 CL	Picasso
3:15 pm - 4:30 pm	TF High Temperature Transformers	IL	R. Marek	80 CL	Concerto C/D
3:15 pm - 4:30 pm	WG Loss Evaluation Guide for Distribution Transformers	Dist	A. Traut/ D. Duckett	80 CL	Concerto B
3:15 pm - 4:30 pm	WG PCS Revisions to C57.12.00	PCS	S. Snyder	100 CL S3	Concerto A
3:15 pm - 4:30 pm	WG Transformer Paralleling Guide	Power	T. Jauch	150 CL S3	Symphony 1
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			Ballroom Foyer	
4:45 pm - 6:00 pm	<u>Presentation</u> : "Analysis of Transformer Characteristics through Frequency Response Analysis", by L. Coffeen, C. Sweetser, P. Werelius & others. Sponsored by Perform. Characteristics SC. **			200 CL S3 (add 50-75 TH seats in rear)	Symphony 1
7:00 pm - 10:30 pm	<u>Technical Tour</u> : ABB Coral Springs, Distribution Protection & Control Facility (similar tour on Tuesday) Indicate your desire to attend while registering on-line for the Committee Meeting. Limited attendance. Bus will depart the Hilton at 7:00 pm and return before 10:30 pm. Eat dinner before boarding bus. Contact Alberto Zayas at +954-825-0641 or <alberto.zayas@us.abb.com> for more details.				

** 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, April 21 -- Tuesday Breaks Sponsored by JST Transformers ***					
	No NEMA ST-1/ST-20 Meeting				
7:00 am - 12:00 pm	Meeting Registration				
7:00 am - 6:00 pm	Internet Cafe'			12 SQ	Alto
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			250 RT (8/tbl)	Symphony 3
8:00 am - 9:00 am	Breakfast - Companions (no meeting attendees please)			75 RT (8/tbl)	The Market (Lobby Level)
9:15 am - 4:00 pm	<u>Companion Tour</u> : "Shopping at Sawgrass Mills Mall ". Optional coordinated lunch, or lunch on your own. -- Advance registration required. -- Bus departs Hilton at 9:15 am and returns at 4:00 pm.				
8:00 am - 9:15 am	WG Test Requirements for HV Instrument Transformers C57.13.5	IT	R. McTaggart/ P. Riffon	40 CL	Tenor
8:00 am - 9:15 am	WG Oil Reclamation Guide PC57.637 (New!)	IF	J. Thompson	50 CL	Picasso
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	Concerto C/D
8:00 am - 9:15 am	WG PC57.152 Field Test Guide	Stds	J. Verner	80 CL	Concerto B
8:00 am - 9:15 am	TF Transf. Tank Rupture & Mitigation	Power	P. Zhao	100 CL S3	Concerto A
8:00 am - 9:15 am	WG Switching Transients Induced by Transf./Breaker Interaction PC57.142	PCS	R. Degeneff	150 CL S3	Symphony 1
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Ballroom Foyer	
9:30 am - 10:45 am	WG Terminal Markings C57.12.70	Stds	S. Shull	40 CL	Tenor
9:30 am - 10:45 am	WG Neutral Ground. Devices PC57.32	PCS	S. Schappell	50 CL	Picasso
9:30 am - 10:45 am	TF Functional Life Tests, De-energized Tap Changers (DETC)	Power	P. Hopkinson	80 CL	Concerto C/D
9:30 am - 10:45 am	WG HVDC Bushings C57.19.03	Bush	L. Recksiedler	80 CL	Concerto B
9:30 am - 10:45 am	TF DGA Natural Ester Fluids	IF	P. Boman	100 CL S3	Concerto A
9:30 am - 10:45 am	WG Revision to Loading Guide C57.91	IL	T. Raymond	150 CL S3	Symphony 1
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Ballroom Foyer	
11:00 am - 12:15 pm	WG Loss Tolerance and Measurement	PCS	E. teNyenhuis	40 CL	Tenor
11:00 am - 12:15 pm	WG Phase-shift Transf. Guide C57.135	Power	J. Sim	50 CL	Picasso
11:00 am - 12:15 pm	TF Transformer Efficiency and Loss Evaluation (DOE Activity)	Dist	P. Hopkinson	80 CL	Concerto C/D
11:00 am - 12:15 pm	TBD			80 CL	Concerto B
11:00 am - 12:15 pm	WG Guide for DGA in LTCs C57.139	IF	F. Jakob	100 CL S3	Concerto A
11:00 am - 12:15 pm	WG Temperature Rise Test Procedures in Section 11 of C57.12.90	IL	P. Powell	150 CL S3	Symphony Y
12:15 pm - 1:30 pm	<u>Speaker Luncheon</u> : "An Introduction to Robert's Rules of Order" -- <u>Everyone</u> is encouraged to attend to help maintain productivity within our meetings! Advance registration is necessary. -- Paper tickets are not provided. Admission verified at the door.			160 CL (8/tbl) with elevated table for 5	Symphony 1
	WG Dielectric Test Tables, Liquid-filled Work is complete				
1:45 pm - 3:00 pm	WG Revision to IEEE 638	Power	C. Swinderman	40 CL	Tenor
1:45 pm - 3:00 pm	TF GSU Bushing Standardization	Bush	C. Hurley	50 CL	Picasso
1:45 pm - 3:00 pm	WG Voltage Step Regulators C57.15	Dist	Colopy/Kennedy	80 CL	Concerto C/D
1:45 pm - 3:00 pm	WG Sound Level Measurement Guide	ASV	J. Puri	80 CL	Concerto B
1:45 pm - 3:00 pm	WG Revision to Gas Guide C57.104	IF	R. Ladroga	100 CL S3	Concerto A
1:45 pm - 3:00 pm	WG Revision to Low Frequency Tests	DiTests	B. Poulin	150 CL S3	Symphony 1
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i>			Ballroom Foyer	

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Tuesday, April 21 (continued)					
3:15 pm - 4:30 pm	WG Semiconductor Rectifier Transformers C57.18.10	PCS	S. Kennedy	40 CL	Tenor
3:15 pm - 4:30 pm	WG Bushing Application Guide C57.19.100	Bush	T. Spitzer	50 CL	Picasso
3:15 pm - 4:30 pm	WG Electronic Test Data Reporting C57.12.37	Dist	Hollingsworth/ Callsen	80 CL	Concerto C/D
3:15 pm - 4:30 pm	WG Revision to Impulse Tests	DiTests	P. Riffon/ P. Heinzig	80 CL	Concerto B
3:15 pm - 4:30 pm	TF Guide for Field Application of Natural Ester Fluids	IF	J. Graham	100 CL S3	Concerto A
3:15 pm - 4:30 pm	WG Transportation Issues Guide	Power	G. Anderson	150 CL S3	Symphony 1
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			Ballroom Foyer	
4:45 pm - 6:00 pm	<u>Presentation</u> : "Transformer Paralleling", by T. Jauch, J. Graham and others. Sponsored by Power Transformers SC. **			200 CL S3 (add 50-75 TH seats in rear)	Symphony 1
7:00 pm - 10:30 pm	<u>Technical Tour</u> : ABB Coral Springs, Distribution Protection and Control Facility (similar tour on Monday). Indicate your desire to attend while registering on-line for the Committee Meeting. Limited attendance. Bus will depart the Hilton at 7:00 pm and return before 10:30 pm. Eat dinner before boarding bus. Contact Alberto Zayas at +954-825-0641 or <alberto.zayas@us.abb.com> for more details.				
Wednesday, April 22 -- Wednesday Breaks Sponsored by ZTZ Services ***					
No Meeting Registration, No Companion Tours					
7:00 am - 6:00 pm	Internet Cafe'			12 SQ	Alto
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			200 RT (8/tbl)	Symphony 3
8:00 am - <u>9:30 am</u>	Breakfast - Companions (no meeting attendees please)			75 RT (8/tbl)	The Market (Lobby Level)
7:00 am - 7:45 am	SC Meetings Planning Get breakfast in Symphony 3 Ballroom and take to Picasso Room. Arrive early!	Meetings	G. Anderson	50 CL	Picasso
8:00 am - 9:15 am	EL&P Delegation (Users only meeting)	++	K. Hanus	50 CL	Picasso
8:00 am - 9:15 am	SC Audible Sound & Vibration	ASV	J. Puri	100 CL S3	Concerto C/D
8:00 am - 9:15 am	SC Insulation Life	IL	D. Platts	200 CL S3	Concerto A/B
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Ballroom Foyer	
9:30 am - 10:45 am	SC Instrument Transformer	IT	J. Smith	50 CL	Picasso
9:30 am - 10:45 am	SC Bushings	Bush	F. Elliott	100 CL S3	Concerto C/D
9:30 am - 10:45 am	SC Distribution Transformers	Dist	K. Hanus	200 CL S3	Concerto A/B
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Ballroom Foyer	
11:00 am - 12:15 pm	(TBD)			50 CL	Picasso
11:00 am - 12:15 pm	SC UG Transf. & Network Protectors	UTNP	C. Niemann	100 CL S3	Concerto C/D
11:00 am - 12:15 pm	SC Dielectric Tests	DiTests	L. Wagenaar	200 CL S3	Concerto A/B
12:15 pm - 1:30 pm	Lunch (on your own)				
1:30 pm - 2:45 pm	(TBD)			50 CL	Picasso
1:30 pm - 2:45 pm	SC Dry Type	Dry	C. Johnson	100 CL S3	Concerto C/D
1:30 pm - 2:45 pm	SC Power Transformers	Power	T. Lundquist	200 CL S3	Concerto A/B
2:45 pm - 3:00 pm	<i>Break (beverages and treats)</i>			Ballroom Foyer	

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KEY

Note: A PC projector will be furnished in each meeting room. Arrive early to ensure that equipment operates/synchs correctly. Overhead projectors are available in the meeting registration area.

> -- activity continued into another session / from another session
++ -- not a Transformers Committee activity TBD = "To Be Determined"
FC = flip chart; S1 = sound (see note)
S2 = stand mic in front only; S3 = one stand mic in front & stand mic(s) at mid-room

CL -- classroom seating (w/head table for 2-3)
TH -- theater seating (with head table for 2-3)
RT -- multiple roundtables (8-9/table)
US -- U-shape table

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Wednesday, April 22 (continued)					
3:00 pm - 4:15 pm	(TBD)			50 CL	Picasso
3:00 pm - 4:15 pm	SC Insulating Fluids	IF	R. Ladroga	100 CL S3	Concerto C/D
3:00 pm - 4:15 pm	SC Performance Characteristics	PCS	R. Girgis	200 CL S3	Concerto A/B
4:15 pm - 4:30 pm	<i>Break (beverages only)</i>			Ballroom Foyer	
4:30 pm - 5:30 pm	SC Transformer Standards	Stds	B. Bartley	100 CL S3	Concerto C/D
6:30 pm - 10:00 pm <u>Anchor's away at 6:30 pm</u>	<u>Dinner Social</u> : Dinner Cruise on "The Biscayne Lady Yacht". Advance registration is necessary. -- Buses begin boarding at 5:45 pm. The last bus departs at 6:15 pm. All buses return before 10:00 pm. -- Paper tickets will not be provided. Admission will be verified with a registration list as you board the bus.				

Thursday, April 23

No Meeting Registration, No Companion Tours, No Internet Cafe', No EPRI Meeting

7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			200 RT (6/tbl)	Symphony 3
8:00 am - <u>9:30 am</u>	Breakfast - Companions (no meeting attendees please)			60 RT(8/tbl)	The Market (Lobby Level)
8:00 am - 9:45 am >	General Session, Transformers Committee -- <u>All attendees</u> are encouraged to attend. -- See separate document for meeting agenda.		T. Prevost	200 CL S1 75 TH elevat. table for 4	Symphony 1/2
9:45 am - 10:00 am	<i>Break (beverages only)</i>			Ballroom Foyer	
> 10:00 am - 11:30 am	General Session, Transformers Committee		T. Prevost	200 CL S1 75 TH	Symphony 1/2

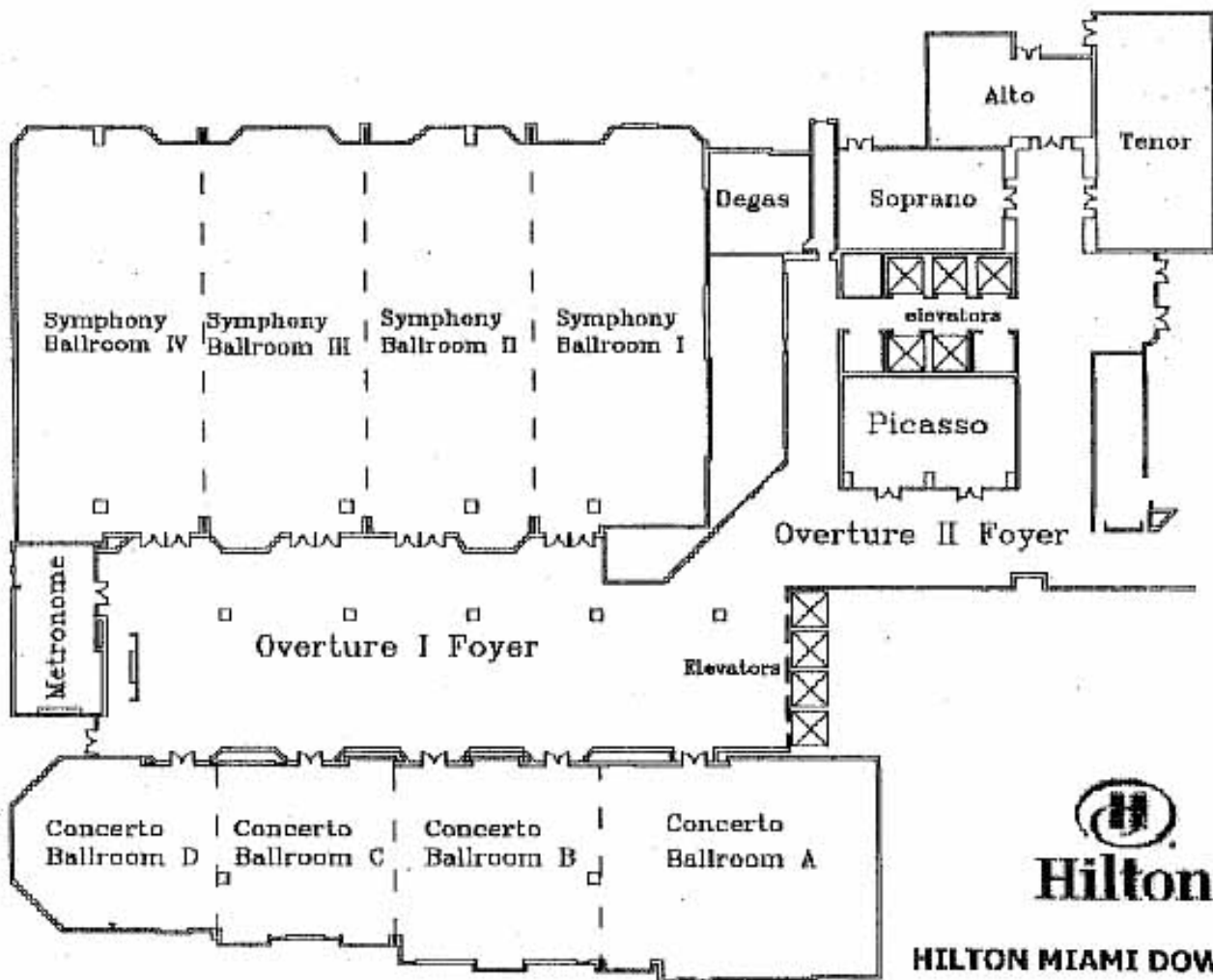
Friday, April 24

No Transformer Committee Meetings, No Internet Cafe', No EPRI Meeting

FUTURE COMMITTEE MEETINGS

FALL 2009 - October 25-29; Lombard, Illinois (a suburb of Chicago). Hosted by Thomas Callsen and ComEd

SPRING 2010 - March 7-11; location to be determined



Hilton

HILTON MIAMI DOWNTOWN