

IEEE/PES TRANSFORMERS COMMITTEE
www.transformerscommittee.org
Hosted by Andy Speegle and Kuhlman Electric Company
Hilton Jackson; Jackson, Mississippi, USA
Spring 2005 Meeting -- March 13-17, 2005

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

<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, March 12					
No Meetings. No Meeting Registration. No technical tours.					
Sunday, March 13					
<u>7:30 am</u> - 1:30 pm	Technical Tour #1: <u>Kuhlman Electric Transformer Facility</u> , Crystal Springs, MS. By invitation only. -- Companions are welcome. Includes coffee and pastries on the bus, breakfast at the plant, and lunch. -- Contact Ms. Eleanor Snider at 859/879-2989, or eleanors@kuhlman.com -- The bus will leave from the Hilton <u>at 7:30 am</u> and return by 1:30 pm.				
1:00 pm - <u>5:30 pm</u>	Meeting Registration (only until 5:30 pm)			L-shaped table	Regency Hallway
2:00 pm - 5:30 pm	Administrative SC -- Closed meeting, by invitation only	Admin.	K. Hanus	25 US P (w/snack buffet)	Diplomat I
2:00 pm - 5:30 pm	ASC C57 NEMA Delegation -- Closed meeting, by invitation only	++	C. Drexler	25 US P (w/beverages)	Diplomat II
6:00 pm - 8:00 pm	Hospitality Reception -- All members, guests & companions are welcome -- Advance registration please			300 Recept.	Grand Ballroom (Salon AB only)
Monday, March 14 -- Monday Breaks Sponsored by Pauwels Transformer **					
7:00 am - 5:00 pm	Meeting Registration				Regency Hallway
7:00 am - 4:30 pm	Internet Cafe' (NEW!)			30 RT (6)	Cabana Room
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			200 RT (9)	Salon C
8:00 am - 9:00 am	Breakfast - Companions (no attendees please)			50 RT (8)	Penthouse
9:15 am - 3:15 pm	Companion Tour: <u>Vicksburg Day Trip</u> . Advance registration required. Includes lunch. -- The bus will leave the Hilton at 9:15 am and return around 3:15 pm.				
<u>7:00 am</u> - 7:50 am	<u>Newcomers Orientation Breakfast Meeting</u> -- All Newcomers & Guests are encouraged to attend. Food is in back of room.		D. Fallon	80 CL P (food in back of room)	Diplomat 1/2
<u>7:00 am</u> - 7:50 am	Distribution SC Coordination Meeting (closed mtg)		E. Smith	15 CONF	Fitzgerald's Restr.
8:00 am - 9:15 am	TF Arc Furnace Transformers C57.17 WG 3-ph UG Distribution Transformers C57.12.24	Power UTNP	Canceled. Will meet in the fall. G. Termini /J. Sullivan	30 CL (with 2 rows of theater seating)	Crown Room
8:00 am - 9:15 am	TF Dry-Type Reactors	Dry	R. Dudley	40 CL O	Amphitheater 2
8:00 am - 9:15 am	TF Winding Temperature Indicators	IL	P. McClure	50 CL P	Amphitheater 1
8:00 am - 9:15 am	TBD			80 CL	Diplomat 1/2
8:00 am - 9:15 am	TF Electrical Partial Discharge Measurements Guide C57.113	DiTests	E. Lemke	125 CL S3, P	Salon A
8:00 am - 9:15 am	TF Core Overexcitation Requirements	PCS	C. Stiegemeier	125 CL S3, P	Salon B
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Imperial & Regency Hallways	

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

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Monday, March 14 (continued)					
9:30 am - 10:45 am	WG Liquid-immersed Secondary Network Transformers C57.12.40	UTNP	B. Klaponski	30 CL P	Crown Room
9:30 am - 10:45 am	WG Thermal Evaluation of Power and Distribution Trans. C57.100	IL	R. Wicks	40 CL P	Amphitheater 2
9:30 am - 10:45 am	WG PCS Rev. to Test Code C57.12.90	PCS	B. Forsyth	50 CL P	Amphitheater 1
9:30 am - 10:45 am	WG 1-ph OH Dist. Trans. C57.12.20	Dist	A. Wilks/ T. Cooper	80 CL O	Diplomat 1/2
9:30 am - 10:45 am	WG Acoustic PD Measurements	DiTests	J. Harley	125 CL S3	Salon A
9:30 am - 10:45 am	WG Transformer Monitoring C57.143	Power	D. Chu/A. Lux	125 CL S3, P	Salon B
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Imperial & Regency Hallways	
11:00 am - 12:15 pm	TBD			30 CL P	Crown Room
11:00 am - 12:15 pm	WG Temp. Rise Test Procedures in Section 11 of C57.12.90	IL	P. Payne	40 CL	Amphitheater 2
11:00 am - 12:15 pm	WG Shunt Reactors C57.21	PCS	R. Dudley	50 CL O	Amphitheater 1
11:00 am - 12:15 pm	WG 1-ph Padmount Distribution Transformers C57.12.25	Dist	A. Ghafourian/ I. Ares	80 CL O	Diplomat 1/2
11:00 am - 12:15 pm	WG Revision to Low Frequency Tests	DiTests	M. Perkins	125 CL S3, P	Salon A
11:00 am - 12:15 pm	WG Standard for Control Cabinets	Power	J. Watson	125 CL S3, P	Salon B
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). -- Paper tickets will not be provided as in the past. Admission to the event will be verified at the door.		B. Chiu	80 RT P (same set from bkfst, set food for guarantee)	Salon C
1:45 pm - 3:00 pm	WG Sec. Network Protectors C57.12.44	UTNP	D. Mulkey	30 CL	Crown Room
1:45 pm - 3:00 pm	WG Dry-Type Gen. Require. C57.12.01	Dry	J. Sullivan	40 CL O, P	Amphitheater 2
1:45 pm - 3:00 pm	SC HVDC Converter Transformers and Smoothing Reactors	HVDC	R. Dudley	50 CL O, P	Amphitheater 1
1:45 pm - 3:00 pm	WG 3-ph Padmount Distribution Transformers C57.12.34	Dist	R. Stahara/ S. Shull	80 CL O	Diplomat 1/2
1:45 pm - 3:00 pm	WG PCS Revisions to C57.12.00	PCS	S. Snyder	125 CL S3	Salon A
1:45 pm - 3:00 pm	WG LTC Performance C57.131	Power	W. Henning/ C. Colopy	125 CL S3	Salon B
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i>			Imperial & Regency Hallways	
3:15 pm - 4:30 pm	WG 1-ph Submersible Distribution Transformers C57.12.23	UTNP	A. Traut/ B. Basu	30 CL O	Crown Room
3:15 pm - 4:30 pm	Joint WG Optical ITs C57.13/PSIM P1601	IT/PSIM	Rahmatian/ Gilleland	40 CL O, P	Amphitheater 2
3:15 pm - 4:30 pm	WG Semiconductor Rectifier Transformers C57.18.10	PCS	S. Kennedy	50 CL P	Amphitheater 1
3:15 pm - 4:30 pm	TBD			80 CL	Diplomat 1/2
3:15 pm - 4:30 pm	WG Revision of Impulse Guides C57.98 and C57.138	DiTests	A. Molden	125 CL S3, P	Salon A
3:15 pm - 4:30 pm	WG Transf. Life Extension PC57.140	Power	R. James/ W. Bartley	125 CL S3, O	Salon B
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			Imperial & Regency Hallways	
4:45 pm - 6:00 pm	Tutorial/Presentation #1: " <u>Productive Meetings Using the Internet</u> ", a presentation of Microsoft's new application "Live Meeting." Everyone is encouraged to attend! (continued Tuesday)			200 TH S3, P (add podium and lapel mic)	Salon B (add 75-100 chairs in back of room)
6:30 pm - 9:30 pm	Technical Tour #2: <u>Siemens Breaker & Regulator Facility</u> , Richland, MS. By invitation only. Includes dinner. -- Contact Mr. Martin Navarro at (601) 932-9976, or martin.navarro@siemens.com -- The bus will leave from the Hilton at 6:30 pm and return around 9:30 pm. Companions are welcome.				

** Contact N. Kent Haggerty (n.kent.haggerty@iee.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, March 15 -- Tuesday Breaks Sponsored by <u>Serveron Corp.</u> **					
7:00 am - <u>12:00 pm</u>	Meeting Registration			L-shaped table	
7:00 am - 4:30 pm	Internet Cafe' (NEW!)			30 RT (6)	Cabana Room
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			200 RT (9)	Salon C
8:00 am - 9:00 am	Breakfast - Companions (no attendees please)			50 RT (8)	Penthouse
9:15 am - 3:15 pm	Companion Tour: <u>Agriculture Forestry Museum & Others.</u> Advance registration required. Includes lunch. -- The bus will leave the Hilton at 9:15 am and return around 3:15 pm.				
8:00 am - 9:15 am	WG Test Requirements for HV Instrument Transformers C57.13.5	IT	R. McTaggart/ P. Riffon	30 CL P	Crown Room
8:00 am - 9:15 am	WG West Coast	Power	M. Lau	40 CL P	Amphitheater 2
8:00 am - 9:15 am	WG Guide for DGA in LTCs C57.139	IF	F. Jakob	50 CL	Amphitheater 1
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	Diplomat 1/2
8:00 am - 9:15 am	TF Def. Thermal Upgraded Insulation	IL	D. Platts	125 CL S3	Salon A
8:00 am - 9:15 am	WG Switching Transients Induced by Transformer/Breaker Interaction	PCS	R. Degeneff	125 CL S3, P	Salon B
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Imperial & Regency Hallways	
9:30 am - 10:45 am	WG Thermal Evaluation C57.12.56 and C57.12.60	Dry	R. Provost/ R. Wicks	30 CL P	Crown Room
9:30 am - 10:45 am	WG Neutral Ground. Devices PC57.32	PCS	S. Schappell	40 CL, P	Amphitheater 2
9:30 am - 10:45 am	WG Natural Ester-based Fluids	IF	P. McShane	50 CL	Amphitheater 1
9:30 am - 10:45 am	WG Electronic Data Transmittal PC57.12.37	Dist	T. Callsen/ R. Hollingsworth	80 CL	Diplomat 1/2
9:30 am - 10:45 am	WG Std Terminology C57.12.80	Stds	T. Raymond	125 CL S3	Salon A
9:30 am - 10:45 am	TF Functional Life Tests, De-energized Tap Changers (DETC)	Power	P. Hopkinson	125 CL S3, P	Salon B
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Imperial & Regency Hallways	
	TF Joint/PSIM Low PF Measurement	PCS	Cancelled, a progress report will be provided at the WG Loss Tolerance & Measurement meeting.		
11:00 am - 12:15 pm	TF Rev. to Temp. Ratings in C57.12.00	IL	D. Marlow	30 CL P	Crown Room
11:00 am - 12:15 pm	WG Loss Tolerance and Measurement	PCS	E. teNyenhuis	40 CL P	Amphitheater 2
11:00 am - 12:15 pm	WG Revision of Oil Guide C57.106	IF	J. Thompson/ T. Oommen	50 CL O	Amphitheater 1
11:00 am - 12:15 pm	WG Dist. Substation Transf. C57.12.36	Dist	Aho/Rossetti	80 CL P	Diplomat 1/2
11:00 am - 12:15 pm	WG Phase-shift Trans. Guide C57.135	Power	J. Mclver	125 CL S3, O	Salon A
11:00 am - 12:15 pm	TF Bushing Applicat. Guide C57.19.100	Bush	T. Spitzer	125 CL S3	Salon B
12:15 pm - <u>1:30 pm</u>	Speaker Luncheon. Advance registration is necessary -- " <u>Doing the Bubba, the Beauty of Southern Culture</u> " by Hank Flick -- Paper tickets will not be provided. Admission to the event and meal selection will be verified with a registration list at the door.			150 RT S1, P add <u>elevated</u> tbl for 5, add lectern w/mic and lapel	Salon C
1:45 pm - 3:00 pm	WG Instrument Transformer Standard Requirements C57.13	IT	T. Nelson	30 CL O	Crown Room
1:45 pm - 3:00 pm	WG Rev. Transf. for Non-sinusoidal Loads C57.110	PCS	R. Marek	40 CL P	Amphitheater 2
1:45 pm - 3:00 pm	WG Revision of C57.12.10	Power	J. Arteaga	50 CL P	Amphitheater 1
1:45 pm - 3:00 pm	WG Voltage Step Regulators C57.15	Dist	C. Colopy/ G. Kennedy	80 CL P	Diplomat 1/2
1:45 pm - 3:00 pm	WG Revision to Loading Guide C57.91	IL	T. Raymond	125 CL S3, P	Salon A
1:45 pm - 3:00 pm	WG Dielectric Test Tables, Liquid-filled	DiTests	P. Hopkinson	125 CL S3, P	Salon B
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i>			Imperial & Regency Hallways	

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Tuesday, March 15 (continued)					
3:15 pm - 4:30 pm	WG for Bar Coding Distribution Transformers C57.12.35	Dist	L. Matthews/ G. Termine	30 CL P	Crown Room
3:15 pm - 4:30 pm	WG Dry-Type Test Code C57.12.91	Dry	D. Foster	40 CL O	Amphitheater 2
3:15 pm - 4:30 pm	WG Frequency Response Analysis (FRA) Guide PC57.149	PCS	C. Sweetser	50 CL P	Amphitheater 1
3:15 pm - 4:30 pm	WG Sound Level Measurement Guide	ASV	J. Puri	80 CL P	Diplomat 1/2
3:15 pm - 4:30 pm	WG Revision to Impulse Tests	DiTests	P. Riffon/ P. Henzig	125 CL S3, P	Salon A
3:15 pm - 4:30 pm	WG Revision Installation Guide C57.93	Power	M. Lau	125 CL S3, P	Salon B
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			Imperial & Regency Hallways	
4:45 pm - 6:00 pm	Tutorial/Presentation #2: " <u>Productive Meetings Using the Internet</u> " (continued from Monday), a hands-on demonstration workshop of Microsoft's new application "Live Meeting". Bring your notebook computer and wireless card and join in!			200 TH S3, P (add podium and lapel mic)	Salon B (add 75-100 chairs in back of room)
No Evening Activity Planned					
Wednesday, March 16 -- Wednesday Breaks Sponsored by <u>Weidmann-ACTI</u>					
No Meeting Registration, No Companion Tours					
7:00 am - 5:30 pm	Internet Cafe' (NEW!)			30 RT (6)	Cabana Room
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			200 RT (9)	Salon C
8:00 am - 9:00 am	Breakfast - Companions (no attendees please)			50 RT (8)	Penthouse
7:00 am - 7:45 am	WG Web-page Development Breakfast Meeting			Will not meet.	
8:00 am - 9:15 am	EL&P Delegation -- Users only meeting	++	K. Hanus	40 CL	Amphitheater 2
8:00 am - 9:15 am	SC Audible Sound & Vibration	ASV	J. Puri	50 CL P	Amphitheater 1
8:00 am - 9:15 am	SC Instrument Transformer	IT	J. Smith	80 CL O S3	Diplomat 1/2
8:00 am - 9:15 am	SC Insulation Life	IL	D. Platts	200 CL S3 (with 3-4 rows of theater-style seating in back)	Salon A
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Imperial & Regency Hallways	
9:30 am - 10:45 am	WG Transportation Issues Guide	Power	G. Anderson/ E. Schweiger	80 CL S3, O	Diplomat 1/2
9:30 am - 10:45 am	SC UG Transf. & Network Protectors	UTNP	C. Niemann	50 CL	Amphitheater 2
9:30 am - 10:45 am	SC Dielectric Tests	DiTests	L. Wagenaar	200 CL S3, O	Salon A
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Imperial & Regency Hallways	
11:00 am - 12:15 pm	TF Transformers for Wind Farms (new!)	TBD	J. Watson	50 CL	Amphitheater 1
11:00 am - 12:15 pm	SC Insulating Fluids	IF	F. Gryszkiewicz	80 CL O S3	Diplomat 1/2
11:00 am - 12:15 pm	SC Performance Characteristics	PCS	R. Girgis	200 CL S3, P	Salon A
12:15 pm - 1:30 pm	Lunch (open)				
1:30 pm - 2:45 pm	TBD			50 CL	Amphitheater 1
1:30 pm - 2:45 pm	SC Dry Type	Dry	C. Johnson	80 CL O S3	Diplomat 1/2
1:30 pm - 2:45 pm	SC Power Transformers	Power	T. Lundquist	200 CL S3 P	Salon A
2:45 pm - 3:00 pm	<i>Break (beverages and treats)</i>			Imperial & Regency Hallways	

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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)
US -- one hollow square or U-shape

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Wednesday, March 16 (continued)					
3:00 pm - 4:15 pm	IEC TC-14 Technical Advisory Group (all interested parties welcome)	++	P. Hopkinson	50 CL P	Amphitheater 1
3:00 pm - 4:15 pm	SC Meetings Planning	Mtgs	G. Anderson	40 CL P	Amphitheater 2
3:00 pm - 4:15 pm	SC Distribution Transformers	Dist	E. Smith	80 CL O S3	Diplomat 1/2
3:00 pm - 4:15 pm	SC Bushings	Bush	F. Elliott	200 CL S3, O	Salon A
4:15 pm - 4:30 pm	<i>Break (beverages only)</i>			Imperial & Regency Hallways	
4:30 pm - 5:30 pm	SC Transformer Standards	Stds	B. Chiu	80 CL S3, P	Diplomat 1/2
6:00 pm - 10:00 pm	Dinner Social at <u>The Old Capitol Inn</u> . Advance registration is necessary. -- Buses leave begin departing at 5:45 pm. The last bus will leave at 6:00 pm. -- Return to the Hilton around 9:30 pm. -- Paper tickets will not be provided as in the past. Admission to the event will be verified with a registration list as you enter the bus.				

Thursday, March 17 -- Thursday Committee Break Sponsored by VA TECH Transformers **

No Meeting Registration, No Companion Tours, No ASC C57 Meeting, No EPRI Meeting, No Internet Cafe'

7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			200 RT (9)	Salon C
8:00 am - 9:00 am	Breakfast - Companions (no attendees please)			50 RT (8)	Penthouse
8:00 am - 9:45 am >	Transformers Committee -- All attendees are encouraged to attend. -- See separate document for meeting agenda.		K. Hanus	300 CL S1, P <u>elevat.</u> table for 4 lectern w/mic, one floor mic in each isle	Salon AB
9:45 am - 10:00 am	<i>Break (beverages only)</i>			Imperial Hallway	
> 10:00 am - 11:30 pm	Transformers Committee		K. Hanus	300 CL S1, P	Salon AB
12:30 pm - 8:00 pm	Technical Tour #3: <u>Howard Industries</u> , facilities in both Ellisville and Laurel, MS. By invitation only. -- Includes buffet dinner after the tour (no lunch provided). Companions are welcome. -- For more information, contact Ms. Ginger Walters at 601/422-1422 or gwalters@howard-ind.com -- The bus will leave from the Hilton at 12:30 pm and return around 8:00 pm.				
1:00 pm - 5:00 pm	NEMA ST-1/ST-20 Revision ++		G. Morehart	25 US beverages in rear of room; screen, cart, power strip	Penthouse
No EPRI Power Transformer Project Review Meeting. Will meet in the Fall 2005.					

Friday, March 18

No Transformer Committee Meetings.

No EPRI Power Transformer Project Review Meeting (will meet in at the Fall 2005 Committee Meeting).

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FUTURE COMMITTEE MEETINGS

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

SPRING 2006 - March 19-23

FALL 2006 - October 22-26

SPRING 2007 - March 11-15 (tentative)

Hilton Jackson

Jackson, Mississippi, USA



AIRPORT SHUTTLE

The Hilton provides complimentary airport shuttle service to and from the airport, between 6:00 am and 10:00 pm. It regularly leaves the hotel every hour, on the hour, but can provide personal pick-up if called 20 minutes in advance. When you arrive at the airport, call 957-2800.

The shuttle parks downstairs, outside the baggage claim area in the second loading/unloading lane. The first lane is for cars, and all the shuttles have to park in the second lane. It is a gray van with a blue Hilton logo on the side.