



TRANSFORMERS COMMITTEE



January 25, 2005

Dear Committee Members and Guests:

You and your companion are cordially invited to attend the Spring 2005 Meeting of the IEEE/PES Transformers Committee to be held March 13-17, 2005, at the Hilton Jackson in Jackson, Mississippi, USA. Kuhlman Electric Corporation is the host of this meeting.

Committee meetings will be held at the Hilton Jackson (www.hiltonjackson.com). The Hilton is a prestigious award-winning hotel that exemplifies gracious southern hospitality. With classic elegance, the Hilton is a fine example of blending the old south with the new millennium. A short distance away, downtown Jackson welcomes you with a host of attractions including museums, antiques, entertainment and shopping.

The group rate is US\$119 for a standard room. When making the reservation please state that you are with the "IEEE Transformers" group to receive the reduced group rate.

March is a beautiful time in Jackson with spring in the air, flowers beginning to bloom, and an average temperature of 58°F. The temperature ranges from an average high of 68°F (20°C) to an average low of 45°F (8°C). Attire for the meetings is business casual.

ON-LINE REGISTRATION

We again have a full agenda planned for this meeting. Use the on-line registration system to register for all tours and events. The on-line registration system can be accessed at www.transformerscommittee.org. Register by February 18 to receive a US\$20 early-registration discount. Note that at this meeting, the cost of walk-up registration at the hotel is substantially higher than registering beforehand.

SPECIAL EVENTS

The **Sunday Evening Reception** will be held in the Grand Ballroom of the Hilton. Come meet old and new friends as you listen to "Mississippi Music". A local jazz band will play while you enjoy appetizers with a southern flavor.

The speaker for the **Tuesday Luncheon** will be Professor Hank Flick. Hank is a writer, speaker and a professor in the Department of Communications at Mississippi State University. In his speech "Doing The Bubba: The Beauty of Southern Culture", Hank reflects on the common view of living and life that are a part of the southern culture.

Our **Wednesday Evening Dinner Social** will be at The Old Capitol Inn (www.oldcapitolinn.com). Come join us as we sample a taste of the south in one of Jackson's finest and most unique sites. The Old Capitol Inn is a Jackson landmark and has been beautifully transformed into a "Legend in the Making." Dinner will be served in the ballroom that opens to a private walled garden area, with local Blues player Jesse Robinson strumming the guitar for your enjoyment.

COMPANION TOURS

Monday, March 14 -- Vicksburg Day Trip. Tour the town of Vicksburg, visit the Vicksburg National Military Park, and stop downtown for browsing and shopping with lunch at Anchuca Garden House.

Tuesday, March 15 -- Mynell Gardens, with stops at the Old Capitol Museum, Mississippi Craftsmen's Guild Center on Natchez Trace, along with lunch at the University Club.

TECHNICAL TOURS

We will have tours of manufacturing plants of Kuhlman Electric, Siemens, and Howard Industries. See the meeting schedule for more information.

TECHNICAL PRESENTATIONS

Do you ever feel like we do all our IEEE work at the meeting and two weeks before? At this meeting, we will learn how to hold "Meetings Between Meetings" using the Internet. Bring your notebook computer and wireless card and join us in a presentation and hands-on tutorial on Monday and Tuesday afternoons. Also, one of our working groups will report back to us how they increased their productivity with live Internet meetings.

ADDITIONAL INFORMATION

The following additional information comprises the invitation package. This information can be found on the Committee's website (www.transformerscommittee.org).

1. Meeting Registration Form. You may mail or fax this form with payment (must be received by February 18 to be eligible for the US\$20 early registration discount) or register on-line using a major credit card. On-line registration is encouraged and is available at www.transformerscommittee.org.
2. Detailed Meeting Schedule. An updated schedule will be posted on the Committee's web-site one week before the meeting. Details of Hilton's complimentary airport shuttle are included in the schedule.
3. Information Flyers:
 - Tuesday Speaker Luncheon
 - Wednesday Evening Dinner Social
 - Companion Tours
 - Technical Presentations

A NOTE FROM OUR HOST

Kuhlman Electric is pleased to host this event and hopes your visit will be enjoyable and memorable. There is no better way to sample the South than in Jackson, Mississippi. A blend of the old and the new, Jackson offers glimpses of the past while looking ahead to the future. From fabulous history, art and science museums to world-class exhibits and performances, it is a city that is a secret full of surprises!

If you require further information or assistance, please contact Ms. Eleanor Snider at 859-879-2989 or at eleanors@kuhlman.com.

We look forward to seeing you in Jackson, Mississippi.

Andy Speegle

Andy Speegle
Spring 2005 Meeting Host
Kuhlman Electric Corporation

IEEE/PES TRANSFORMERS COMMITTEE
SPRING 2005 MEETING -- MARCH 13-17, 2005
Jackson, Mississippi, USA

REVISED JAN. 26

Pre-register for meeting and/or purchase Meeting Minutes using a credit card: www.transformerscommittee.org

Attendee's Name _____

Name to appear on your nametag (nickname, etc.) _____

Company / Institution _____

Street Address _____

City _____ State / Prov. _____ Postal Code _____ Country _____

Telephone _____ Fax _____ E-mail _____

PES Member? ☐ Yes ☐ No IEEE Standards Association Member? ☐ Yes ☐ No IEEE Membership #: _____

Will a companion accompany you? ☐ Yes ☐ No Full name of companion (for nametag) _____

Indicate if vegetarian meal(s) are required for: Attendee: ☐ Yes ☐ No Companion: ☐ Yes ☐ No

Other special requirements (special diets, wheelchair, etc.): _____

Attendee Registration Fee Includes: Meeting Attendance, Sunday Evening Reception, and 4 breakfasts (M, T, W, Th)

Companion Registration Fee Includes: Sunday Evening Reception and 4 breakfasts (M, T, W, Th)

-- Refund provided **ONLY** if request is received by March 9 (by snail-mail or fax, or confirmed email to the contact below) --

-- There is a US\$25.00 service charge on a full refund of the entire registration (US\$10 for a partial refund) --

Registration Fees (all fees in US\$ funds)	On or Before	After Feb. 18	At the	Total
	Feb. 18	Before March 9	Meeting	
Attendee - IEEE Member (will be verified with IEEE)	\$135	\$155	\$250	_____
Attendee - non-member	\$160	\$180	\$275	_____
Attendee - IEEE Life or Committee Emeritus (will be verified)	\$20	\$40	\$100	_____
Companion	\$60	\$80	\$150	_____
Child, age 12 or under	\$30	\$50	\$75	_____

Sunday Evening Reception (cost included in registration fee) Attendee: ☐ Yes ☐ No Companion: ☐ Yes ☐ No _____ -0-

Monday Luncheon - Stds Develop Process Review Mtg (all WG & TF Chairs encouraged to attend) # _____ @ \$20 _____

Tuesday Luncheon - Speaker: Hank Flick, PhD, "Doing the Bubba: The Beauty of Southern Culture" # _____ @ \$30 _____

Indicate selection for Tuesday Luncheon: Beef _____ Chicken _____ Vegetarian _____

Wednesday Evening Event - Dinner Social at The Old Capitol Inn # _____ @ \$55 _____

Companion Tours: Monday - Vicksburg Day Trip, includes lunch # _____ @ \$50 _____

Tuesday - Mynelle Gardens & others, includes lunch # _____ @ \$50 _____

Meeting Minutes, Spring 2005 Meeting ** (can be purchased with or without meeting registration) # _____ @ \$15 _____

** - The primary source for Meeting Minutes is the Committee's web-site. Printed minutes (in paper format) can be purchased and will be mailed to the above address at a later date.

TOTAL REMITTED -- \$ _____

Method of Payment - All funds in US dollars only! (IEEE Tax ID No. 13-1656633)

Money order or check - Make check payable to: **"IEEE/PES Transformers Committee"**

- Checks not issued by a US Bank **MUST** add US\$20.00 for processing fee.

Credit Card: ☐ Visa ☐ MasterCard ☐ American Express ☐ Diners Club

Mailed or faxed registrations without proper payment will not be accepted.

Card Number _____ Expiration Date _____

Name as it appears on card _____ Signature (Important) _____

Pre-register on-line, or mail completed form with payment to:

Gregory W. Anderson, IEEE/PES Transformers Committee
13110 Birch Drive, Suite 148, PMB 330; Omaha, Nebraska 68164-4160 USA
fax: (816) 222-0828, email: transformers@ieee.org

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					
7:30 am - 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 <u>Pauwels Transformer</u> **					
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</u> Breakfast Meeting -- 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.		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	Break (beverages only)			Imperial & Regency Hallways	

** 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, 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: "Productive Meetings Using the Internet", 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@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, 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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<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 (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	Break (beverages only)			Imperial & Regency Hallways	
4:45 pm - 6:00 pm	Tutorial/Presentation #2: "Productive Meetings Using the Internet" (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 Weidmann-ACTI

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	

** Contact N. Kent Haggerty (n.kent.haggerty@ieee.org) if you are interested in making a technical presentation at a future meeting.

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

<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>
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 The Old Capitol Inn. 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, <u>No Internet Cafe'</u>					
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).

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

FUTURE COMMITTEE MEETINGS

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

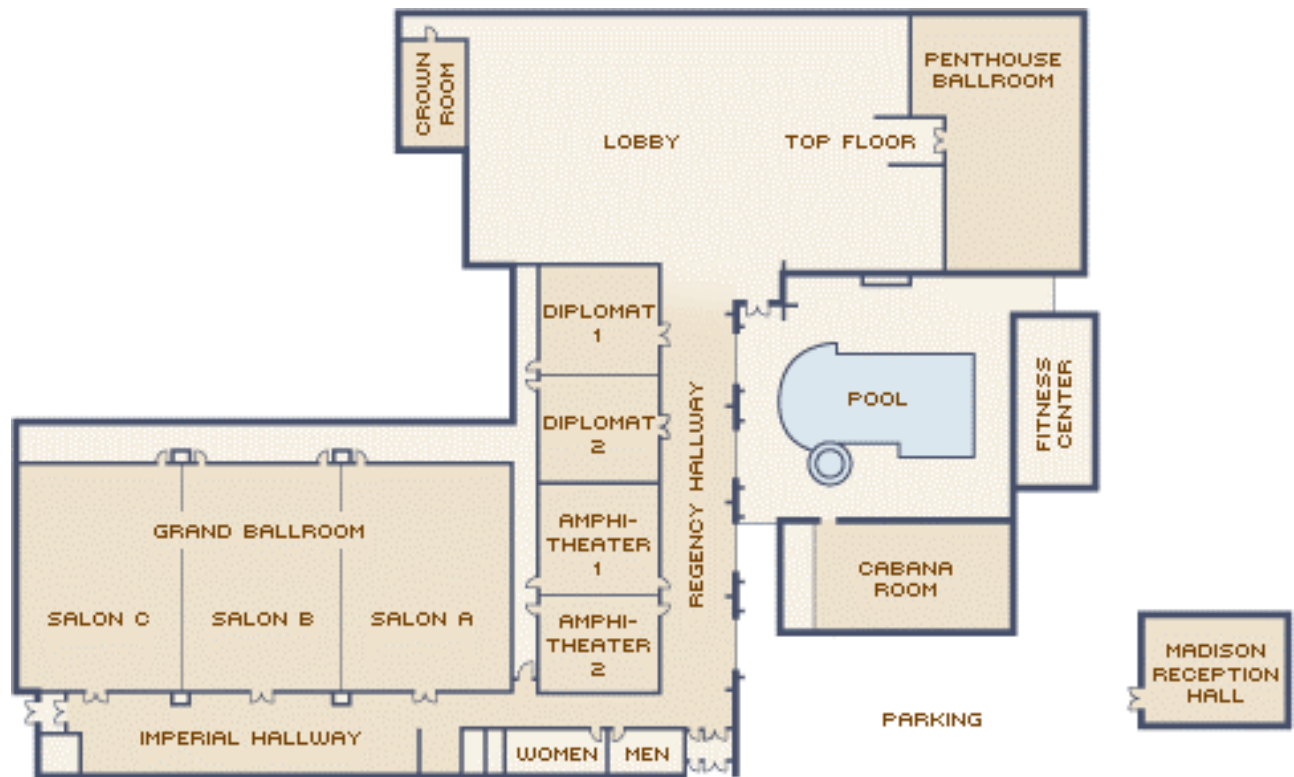
SPRING 2006 - March 19-23

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.

IEEE/PES TRANSFORMERS COMMITTEE

TRANSFORMERS COMMITTEE - SPRING 2005 MEETING THURSDAY, MARCH 17, 2005

Chair: Kenneth S. Hanus

Vice-chair: Donald J. Fallon

Secretary: Thomas A. Prevost

- | | | |
|-------|---|----------------------------|
| 1. | Chair's Remarks and Announcements | Kenneth S. Hanus |
| 2. | Approval of Minutes from Fall 2005 Meeting | Kenneth S. Hanus |
| 3. | Administrative Subcommittee | Kenneth S. Hanus |
| 4. | Vice-chair's Report | Donald J. Fallon |
| 5. | Transformer Standards | Bill Chiu |
| 6. | Special Presentation on "My Ballot System" | C. Sahr |
| 7. | Recognition and Awards | H. Jin Sim |
| 8. | Report of Technical Subcommittees | |
| 8.1. | Dry Type Transformers | Charles (Chuck) W. Johnson |
| 8.2. | Distribution Transformers | James E. (Ed) Smith |
| 8.3. | Dielectric Tests | Loren B. Wagenaar |
| 8.4. | HVDC Converter Transformers & Reactors | Richard F. Dudley |
| 8.5. | Instrument Transformers | James E. (Jim) Smith |
| 8.6. | Insulating Fluids | Frank J. Gryszkiewicz |
| 8.7. | Insulation Life | Donald W. Platts |
| 8.8. | Performance Characteristics | Ramsis S. Girgis |
| 8.9. | Power Transformers | Thomas G. Lundquist |
| 8.10. | Underground Transformers & Network Protectors | Carl G. Niemann |
| 8.11. | Audible Sound and Vibration | Jeewan L. Puri |
| 8.12. | Bushings | Fred E. Elliott |
| 9. | Editor's Report | Stephen Antosz |
| 10. | Meetings Planning Subcommittee | Gregory W. Anderson |
| 11. | Reports of Liaison Representatives | |
| 11.1. | Standard Coordinating Committee No. 4 | Paulette A. Payne |
| 11.2. | IEC TC-14 Technical Advisor to USNC | Philip J. Hopkinson |
| 11.3. | CIGRE | Jean-Christophe Riboud |
| 12. | Old Business | Kenneth S. Hanus |
| 13. | New Business | Kenneth S. Hanus |

TUESDAY SPEAKER LUNCHEON

Tuesday, March 15, 2005

Hank Flick, Ph.D. is a professor in the Department of Communications at Mississippi State University. He holds degrees from Memphis State and Southern Illinois universities. He is the public sports announcer for Mississippi State football and basketball. Hank lectures widely and leads numerous workshops across the state and region. He has spoken to groups such as the Florida Marlins, Shell Oil, Entergy and NAACP.



Doing the Bubba: The Beauty of Southern Culture

There is a growing sense of pride people feel in being from the South. Yes, intelligent people are proud to call the South their home. Take off your shoes, grab a cup of coffee or a glass of tea, and stay awhile. Spend a few moments with this speaker reflecting on the beauty of southern culture and what it teaches us about living and life itself. The presentation focuses on three blessings or common views of living and life that are part of southern culture. Namely, that life is good, nature is beautiful and anyone is someone.

Luncheon Menu

No tickets will be provided at this meeting. Entry to the event and meal selection will be confirmed from a registration list at the door.

Luncheon service includes: Tossed salad with choice of dressings, chef's choice of starch, seasonal vegetables, warm rolls and dessert, freshly brewed coffee and iced tea. Your choice of entrees can be selected from the following:

Beef: Petite Filet Mignon, surrounded by Chablis Mushroom Quarters, Sauce Béarnaise.

Chicken: Monte Carlo Chicken, Grilled Breast ladled with a Roasted Red Bell Pepper Sauce, and topped with Artichoke Hearts.

Vegetarian: Vegetarian Pasta, Linguine with Sundried Tomatoes, Pine Nuts, and Fresh Seasonal Vegetables Tossed in Lemon Vinaigrette, Garlic Toast.



IEEE/PES Transformers Committee
Spring 2005 Meeting, March 13-17, 2005
Jackson, Mississippi, USA



"Productive Meetings Using the Internet"

- Technical Presentation, Monday, March 14, 4:45 pm --**
- Demonstration Workshop, Tuesday, March 15, 4:45 pm --**

presented by: Greg Becker and Rich Bakes of Microsoft
facilitated by: Craig Stiegemeier of ABB Inc.

1. Abstract

Web-based conferencing can provide significant opportunities for performing critical standards work within the IEEE Transformers Committee. While our semi-annual meetings are excellent opportunities to develop standards in a face-to-face environment, making worthwhile progress between meetings offers a significant opportunity to spread-out our work throughout the year.

The IEEE has a member service to support Internet Conferencing that uses Microsoft Live Meeting as the "virtual meeting room." This and other online meeting services, allows interactive meetings among users in multiple locations. Most of these services require some type of setup (special software or a web portal) for the meeting organizer, and the attendees typically only need a reasonable speed connection, meeting details (web address and password), and a telephone.

In the technical presentation, Microsoft will demonstrate the various features and benefits of their new product, "Office Live Meeting". In addition, a demonstration workshop will be provided for attendees to get actual experience on using Office Live Meeting effectively.

2. Learning Objectives

Monday Presentation - Attendees will learn the basic concepts needed to participate in an Internet Conference, which will include:

- IEEE-supported solution for member Internet Conferencing
- Core functions and capabilities of the Microsoft Office Live Meeting software
- Set up of a typical Live Meeting connection
- Communication and sharing key information between users

Tuesday Workshop - Attendees will participate in a "Hands-on" Internet Conferencing workshop, using the Microsoft Live Meeting solution. Attendees will learn:

- View basic information to begin the process of setting up an Internet Conference.
- Procedure for accessing Live Meeting
- "How To" navigate through the various features of Live Meeting
- Methods to communicate and share information through Live Meeting
- Understanding where to find resources to support training and information on Internet Conferencing

Notes: Monday is a typical "presentation" environment, except that the main presenter will be heard on speakerphone and the presentation will be viewed through a web portal.

Attendees of the Tuesday workshop are encouraged to bring a laptop PC with a wireless card to access the Internet and participate in the mock demonstration conference. Anyone without a computer will be able to follow along with the video presentation.

3. Learning Outcomes

This tutorial will provide the attendee with a better understanding of how to:

- Receive and process Internet Conferencing meeting invitations
- Participate in Internet Conferences by logging in and accessing Microsoft Office Live Meeting through the Internet
- Create and Manage Live Meetings from Outlook or Lotus Notes Calendars
- Upload Power Point presentation slides and other documents
- Share presentations and documents with colleagues remotely

The desired result of the 2-day Presentation and Workshop will be to open the door for Transformers Committee participants to utilize web-based tools to aid in more effective standards development. Members present for the session will be able to take advantage of the IEEE's Internet Conferencing solution and utilize online tutorials and technical support provided by the Internet Conferencing service provider, Microsoft Live Meeting.

4. Presenter Biographies

Greg Becker: Greg Becker is the Live Meeting Specialist at Microsoft for major accounts on the east coast. He is a web conferencing and collaboration veteran of over 15 years. He has been at Microsoft for the last 2 years focusing on Office Live Meeting. Previously, Greg worked at Interwise Web Conferencing for 3 years and 10 years at Lotus\IBM focusing on Lotus Notes, Sametime, and Smartsuite. He is a graduate of Boston College with an MBA.

Rich Bakes: Rich Bakes is the Microsoft account manager for the IEEE. Rich supports all Microsoft solutions and presently Rich manages many Microsoft customer contracts. The IEEE has chosen Microsoft Live Meeting as the vehicle to support membership Internet Conferencing. Rich will bring additional details of the IEEE's use of Live Meeting to the presentation.

Craig L. Stiegemeier: Craig Stiegemeier is an IEEE Transformers Committee member and IS/IT Manager at ABB Saint Louis, responsible for applications and infrastructure support. He is also the Engineering Solutions Manager for the Transformer Remanufacturing and Engineering Services (TRES) department at ABB Saint Louis.

Craig has been a member of the Power Engineering Society of the IEEE since 1977, and is actively involved in the work of the IEEE/PES Transformers Committee. He received BS and MS degrees in Electrical Engineering with a focus on utility power systems and insulation performance from the University of Illinois (Urbana/Champaign) in 1979 and 1981 and did graduate work in the MBA programs at Ball State University and the University of Pittsburgh. Craig's areas of expertise include: transformer engineering and production; components design and application; computer analysis and network systems; and dielectric insulation system performance.

WEDNESDAY EVENING SOCIAL

Wednesday, March 16, 2005



Come join us as we sample a taste of the south in one of Jackson's finest and unique site. Stroll through the elegant ballroom that opens to a beautiful private walled garden area with pool area. Come catch the Blues with local guitarist, Jesse Robinson, then chase them away with great southern food and hospitality.



Buses will be in front of the Hilton Hotel beginning at 5:45 pm with the last bus leaving at 6:00 pm. Enjoy use of the Old Capitol Inn facilities for the evening, along with dinner and entertainment. Return to the Hilton around 9:30 pm.



COMPANIONS TOUR - MONDAY

Monday, March 14, 2005

Our first day of tours will include stops at a variety of locations in Vicksburg.

The bus will board in front of the Hilton Hotel. It will depart at 9:15 am, and return around 3:15 pm. The following is some background information on the town of Vicksburg and the locations that will be visited.

Tour of Historic Vicksburg

See the white columned mansions along the mighty Mississippi River. Vicksburg's architecture is among the most diverse in the state. With styles that range from Antebellum Greek Revival to turn-of-the-century Tudor Revival, Vicksburg has truly unique architecture. Formal gardens with fountains, gazebos and courtyards grace the exterior of many homes reflecting the beauty and history of the city. Various residences are listed on the National Register of Historic Places, and as a Mississippi Landmark and Vicksburg Landmark.



Vicksburg National Military Park

The Park was established by Congress in 1899, to commemorate one of the most decisive battles of the American Civil War, the campaign, siege and defense of Vicksburg.



The Vicksburg campaign was waged from March 29 to July 4, 1863. It included battles in west-central Mississippi at Port Gibson, Raymond, Jackson, Champion Hill, Big Black River and 47 days of Union siege operations against Confederate forces defending the city of Vicksburg. Located high on the bluffs, Vicksburg was a fortress guarding the Mississippi River. It was known as "The Gibraltar of the Confederacy." Its surrender on July 4, 1863, coupled with the fall of Port Hudson, Louisiana,

divided the South, and gave the North undisputed control of the Mississippi River.

Lunch at Anchuca Garden House

Anchuca, a Choctaw Indian word meaning "happy home," is one of the most significant antebellum homes in Vicksburg. Listed on the National Register of Historic Places, this impressive Greek Revival landmark represents the first columned mansion in Vicksburg. Surrounded by stately live oaks and located in the heart of Vicksburg's Historic District, Anchuca was built in 1830 by local politician J. W. Mauldin. In 1847, Victor Wilson, a local coal and ice merchant, added the columned front and the two-story dependency in back.



Come and enjoy lunch in the Garden House surrounded by the graceful trees and with a poolside view.

COMPANIONS TOUR - TUESDAY

Tuesday, March 15, 2005

We will be visiting a variety of locations in the local Jackson area.

The bus will board in front of the Hilton Hotel. It will depart at 9:15 am, and return around approximately 3:15 pm. The tour includes a number of well-known sites. Below is some background information on a few of the locations.

Mynelle Gardens

From a simple garden started over a half-century ago, Mynelle Gardens stands today as a botanical wonderland, wildlife sanctuary, and haven for songbirds. Mynelle Gardens began as a private garden created by Mynelle Westbrook Hayward and was acquired by the City of Jackson in 1973. It is a seven-acre collage of several distinct gardens, with winding pathways, cascading pools, and distinctive bridges which lead you across the pond to an island oasis. It typifies the southern garden with features worth emulating in our own backyards.



The gardens feature azalea and camellia trails and daylily displays, as well as hundreds of perennials and annuals in natural landscape settings. The gardens change with the seasons, even with the time of day, but the mood is always tranquil.

Craftsmen's Guild Center on Natchez Trace

The Craftsmen's Guild of Mississippi, Inc. was founded in 1973 as a non-profit organization of artisans and others interested in preserving and promoting the folk, traditional, and contemporary crafts of Mississippi and in encouraging the highest standard of excellence in these crafts. Informative exhibits and live demonstrations involve visitors in the artist process. In the sales gallery, you will discover a vast array of items, from Choctaw Indian crafts to fine pewterware handcrafted by Mississippi artisans.



Gail Pittman Pottery

Influenced by work from Italy and Portugal, Gail Pittman began making ceramic pieces as gifts, then later for sale in 1979. In the early 1980's, she began participating in the Canton, Mississippi, Flea Market where people from all parts of the country buy handcrafted goods from the artisans there. During most of the early 1980's, Gail produced her craft on the kitchen table at home. The Gail Pittman line of hand-painted dinnerware and accessories has indeed made a journey.

Lunch at the University Club

The University Club is a distinguished private club where members may meet their friends, entertain business and social guests and enjoy excellent food and personal service. Located atop AM South Bank Plaza, Jackson's tallest building, offering a panoramic view of downtown Jackson, Mississippi.