

IEEE/PES TRANSFORMERS COMMITTEE
www.transformerscommittee.org
Hosted by Ray & Brenda Nicholas and ABB Inc.
Sheraton Capital Center Hotel; Raleigh, North Carolina, USA
March 16-20, 2003

<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 15, 2003					
No Meetings or Events, No Meeting Registration					
Sunday, March 16, 2003					
7:30 am - 1:30 pm	Technical Tour #1: Waukesha Electric System's Goldsboro, NC Plant (with lunch) -- By Invitation Only. Contact Steve Schappell at 919-580-3240 or schappell@ieee.org. -- Buses will leave at 7:30 am (a bag breakfast will be provided on the bus). Return to hotel by 1:30 pm. -- Buses will be parked across the street from the front of hotel (on Salisbury Street).				
1:00 pm - <u>7:00 pm</u>	Meeting Registration			1 phone line	Esplanade
2:00 pm - 5:30 pm	Administrative SC (closed meeting, by invitation only)	Admin.	J. Sim	30 HS (w/snack buffet)	Hannover III
2:00 pm - 5:00 pm	ASC C57 NEMA Delegation (closed meeting, by invitation only)	++	S. Kennedy	30 HS P	Governors I
6:00 pm - <u>8:00 pm</u>	Hospitality Reception -- All members, guests & companions are welcome. -- Advance registration encouraged.			300 Recept. (large rounds & cocktails)	Oak Forest Ballroom
Monday, March 17, 2003 -- MONDAY BREAKS SPONSORED BY (TBD) *					
7:00 am - 5:00 pm	Meeting Registration			1 phone line	Esplanade
7:00 am - 8:00 am	Breakfast - attendees			200 RT (flow)	Oak Forest A (food in Esplanade)
8:00 am - 9:00 am	Breakfast - companions only			50 RT	The Gallery
9:30 am - 3:30 pm	Companions Tour #1: Triangle Town Center Shopping and Oakwood Tour. Advance registration required. -- The bus will leave at 9:30 am and will be parked across the street from front of hotel (on Salisbury Street). -- Includes lunch. Return around 3:30 pm.				
7:00 am - 7:50 am <u>NEW TIME!</u>	Newcomers Orientation Breakfast -- All "newcomers" & guests are encouraged to attend. Get breakfast outside Oak Forest Ballroom and take to Willow Oak Room. Food will be ready at 6:50 am. <u>Please be in the Willow Oak Room for a 7:00 am start.</u>		K. Hanus	50 RT P	Willow Oak
8:00 am - 9:15 am	WG Dry-Type Reactors	Dry	R. Dudley	30 CL ** O	Capital
8:00 am - 9:15 am	TF C57.17 Arc Furnace Transformers	Power	D. Corsi	50 CL ** P	Governors II
8:00 am - 9:15 am	WG Electronic Data Transmittal PC57.12.37	Dist	T. Callsen/ R. Hollingsworth	75 CL **	Governors I
8:00 am - 9:15 am	WG Revision to Loading Guide C57.91	IL	D. Platts	125 CL **	Hannover I
8:00 am - 9:15 am	WG Partial Discharge Measurements	DiTests	J. Harley	150 CL **	Hannover II / III
				** primarily classroom with 2-3 rows of theater seating in rear of room	
9:15 am - 9:30 am	Break (beverages only)				Esplanade

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)
HS -- one hollow square

* Contact Joe Watson if you are interested in sponsoring a future coffee-break.

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Monday, March 17, 2003 (continued)					
9:30 am - 10:45 am	Meeting (TBD)			25 CL	Willow Oak
9:30 am - 10:45 am	WG 3-ph UG Distribut. Trans. C57.12.24	UTNP	J. Sullivan	30 CL	Capital
9:30 am - 10:45 am	WG Thermal Evaluation of Power and Distribution Trans. C57.100 (new)	IL	R. Wicks	50 CL	Governors II
9:30 am - 10:45 am	WG 1-ph OH Distribution Transformers C57.12.20	Dist	G. Andersen/ A. Wilks	75 CL O	Governors I
9:30 am - 10:45 am	WG PCS Rev. to Test Code C57.12.90	PCS	B. Forsyth	125 CL	Hannover I
9:30 am - 10:45 am	WG Revision Installation Guide C57.93	Power	M. Lau	150 CL	Hannover II / III
10:45 am - 11:00 am	<i>Break (beverages only)</i>				Esplanade
11:00 am - 12:15 pm	Meeting (TBD)			25 CL	Willow Oak
11:00 am - 12:15 pm	WG Ventilated Dry-Type Network Transformers C57.12.57	UTNP	A. Robinson	30 CL	Capital
11:00 am - 12:15 pm	WG Temp. Rise Test Procedures in Section 11 of C57.12.90 (new)	IL	G. Henry	50 CL	Governors II
11:00 am - 12:15 pm	WG 1-ph Padmount Distribution Transformers C57.12.25	Dist	A. Ghafourian/ E. Nols	75 CL O	Governors I
11:00 am - 12:15 pm	WG Revision to Low Frequency Tests	DiTests	M. Perkins	125 CL	Hannover I
11:00 am - 12:15 pm	TF Control Cabinet Guidelines	Power	J. Watson	150 CL P	Hannover II / III
12:15 pm - 1:45 pm <u>NEW TIME!</u>	Luncheon Mtg - Stds Develop. Process Review (all WG & TF Chairs are encouraged to attend) Advance Reservation Necessary (\$15 fee for lunch)		T. Prevost	60 RT P (leave remaining tables, but set food only for guarantee)	Oak Forrest A
1:45 pm - 3:00 pm	WG Dry-Type Gen. Require. C57.12.01	Dry	J. Sullivan	25 CL	Willow Oak
1:45 pm - 3:00 pm	WG Sec. Network Protectors C57.12.44	UTNP	D. Mulkey	30 CL	Capital
1:45 pm - 3:00 pm	SC HVDC Converter Transformers and Smoothing Reactors	HVDC	R. Dudley	50 CL O	Governors II
1:45 pm - 3:00 pm	WG 3-ph Padmount Distribution Transformers C57.12.34	Dist	R. Stahara/ S. Shull	75 CL	Governors I
1:45 pm - 3:00 pm	WG PCS Revisions to C57.12.00	PCS	S. Snyder	125 CL	Hannover I
1:45 pm - 3:00 pm	WG LTC Performance C57.131	Power	W. Henning	150 CL P	Hannover II / III
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i>				Esplanade
3:15 pm - 4:30 pm	WG Neutral Ground. Devices PC57.32	Stds	S. Schappell	25 CL	Willow Oak
3:15 pm - 4:30 pm	WG Liquid-immersed Secondary Network Transformers C57.12.40	UTNP	L. Plaster	30 CL	Capital
3:15 pm - 4:30 pm	WG Revision of Impulse Guide C57.98	DiTests	A. Molden	50 CL	Governors II
3:15 pm - 4:30 pm	WG Metric Conversion Guide PC57.144	Dist	D. Galloway	75 CL P	Governors I
3:15 pm - 4:30 pm	Joint WG PSIM Optical ITs (new)	IT/PSIM	PSIM: Kirkham & Gilleland	125 CL P	Hannover I
3:15 pm - 4:30 pm	WG Transformer Life Extension C57.140	Power	R. James	150 CL P	Hannover II / III
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>				Esplanade
4:45 pm - 6:00 pm	Panel Discussion: "Using Acoustic Emissions to Detect and Locate Partial Discharges (PD) in Transformers", by Garnitschnig, Harley, Shertukde, Skinner, and Ward *		Sponsor: DiTests	225 TH P S3 (add lapel mic, also add speakerphone with local line)	Oak Forest B

* Contact Greg Anderson if you are interested in making a technical presentation at a future meeting.

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Tuesday, March 18, 2003 -- TUESDAY BREAKS SPONSORED BY (TBD) *					
7:00 am - <u>12:00 pm</u>	Meeting Registration			1 phone line	Esplanade
7:00 am - 8:00 am	Breakfast - attendees			200 RT (flow)	Oak Forest A (food in Esplanade)
8:00 am - 9:00 am	Breakfast - companions only			50 RT	The Gallery
9:15 am - 3:30 pm	Companion Tour #2: <u>Raleigh Durham Area Tour</u> . Advance registration required. -- The bus will leave at 9:15 am. Return around 3:30 pm. Includes lunch at the Cardinal Club.				
8:00 am - 9:15 am	Meeting (TBD)			25 CL	Willow Oak
8:00 am - 9:15 am	WG West Coast	Power	M. Lau	30 CL **	Capital
8:00 am - 9:15 am	WG Test Requirements for HV Instrument Transformers C57.13.5	IT	J. Ma	50 CL ** O	Governors II
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	75 CL ** O	Governors I
8:00 am - 9:15 am	WG DGA of LTCs C57.139	IF	R. Ladroga	125 CL **	Hannover I
8:00 am - 9:15 am	WG Switching Transients Induced by Transformer/Breaker Interaction	PCS	R. Degeneff	150 CL ** O, P	Hannover II / III
** primarily classroom with 2-3 rows of theater seating in rear of room					
9:15 am - 9:30 am	<i>Break (beverages only)</i>				Esplanade
9:30 am - 10:45 am	WG Thermal Evaluation C57.12.56 and C57.12.60	Dry	R. Provost	25 CL O	Willow Oak
9:30 am - 10:45 am	TF Joint/PSIM Low PF Measurement	PCS	E. So	30 CL O, P	Capital
9:30 am - 10:45 am	TF Guide for Natural Ester-based Fluids (new)	IF	P. McShane	50 CL	Governors II
> 9:30 am - 10:45 am	WG Enclosure Integrity C57.12.28, C57.12.29, C57.12.31, C57.12.32	Dist	R. Olen/ D. Mulkey	75 CL O	Governors I
9:30 am - 10:45 am	WG Thermal Duplicate Guide PC57.145	IL	B. Beaster	125 CL	Hannover I
9:30 am - 10:45 am	TF Functional Life Tests, De-energized Tap Changers (DETC)	Power	P. Hopkinson	150 CL P	Hannover II / III
10:45 am - 11:00 am	<i>Break (beverages only)</i>				Esplanade
11:00 am - 12:15 pm	WG ITs for Electronic Meters & Relays	IT	C. TenHaagen	25 CL	Willow Oak
11:00 am - 12:15 pm	WG Loss Tolerance and Measurement	PCS	E. teNyenhuis	30 CL P	Capital
11:00 am - 12:15 pm	WG Revision of Oil Guide C57.106	IF	J. Thompson	50 CL P	Governors II
11:00 am - 12:15 pm	WG Distribution Substation Transformers C57.12.36	Dist	J. Rossetti/ Plaster/Aho	75 CL P	Governors I
11:00 am - 12:15 pm	TF Rev. to Temp. Ratings in C57.12.00	IL	D. Marlow	125 CL O	Hannover I
11:00 am - 12:15 pm	TF Bushing Application Guide C57.19.100 (new)	Bush	K. Ellis	150 CL	Hannover II / III
12:15 pm - 1:45 pm	Speaker Luncheon. <u>Advance registration is necessary</u> -- Speaker: Mr. John Estey, IEEE/PES President and President and CEO of S&C Electric Company and Chairman of the Board and CEO of S&C Electric Canada Ltd.			250 RT S1 elevat. tbl for 6, lectern w/mic	Oak Forest A/B
1:45 pm - 3:00 pm	WG Instrument Transformer Standard Requirements C57.13	IT	T. Nelson	25 CL O	Willow Oak
1:45 pm - 3:00 pm	WG Dry-Type Test Code C57.12.91	Dry	D. Barnard	30 CL P	Capital
1:45 pm - 3:00 pm	WG Dielectric Test Tables, Liquid-filled	DiTests	P. Hopkinson	50 CL P	Governors II
1:45 pm - 3:00 pm	WG Loss Evaluation Guide C57.12.33	Dist	D. Duckett/ T. Pekarek	75 CL	Governors I
1:45 pm - 3:00 pm	TF Winding Temperature Indicators	IL	P. McClure	125 CL O	Hannover I
1:45 pm - 3:00 pm	WG Revision of C57.12.10	Power	J. Arteaga	125 CL O	Hannover II / III
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i>				Esplanade

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Tuesday, March 18, 2003 (continued)					
3:15 pm - 4:30 pm	Study Group Conform. Tests C57.13.2	IT	V. Khalin	25 CL	Willow Oak
3:15 pm - 4:30 pm	TF Freq. Response Analysis Guide	PCS	R. James	30 CL O	Capital
3:15 pm - 4:30 pm	WG Sound Level Measurement Guide	ASV	J. Nielsen	50 CL O	Governors II
3:15 pm - 4:30 pm	WG Voltage Step Regulators C57.15	Dist	C. Colopy/ G. Kennedy	75 CL P, F	Governors I
3:15 pm - 4:30 pm	WG Monitoring of Transformers C57.143	Power	A. Lux/D. Chu	150 CL P	Hannover I
3:15 pm - 4:30 pm	WG Revision to Impulse Tests	DiTests	P. Riffon	150 CL O	Hannover II / III
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>				Esplanade
4:45 pm - 6:00 pm	Presentation: "Switching Transients Induced by Transformer/Breaker Interaction", by Degeneff, Hopkinson, and Tobin		Sponsor: PCS	225 TH O, P S3 (add lapel mic)	Oak Forest B
No Evening Activity Planned					
Wednesday, March 19, 2003 -- WEDNESDAY BREAKS SPONSORED BY (TBD)					
No Meeting Registration, No Companion Tours					
7:00 am - 8:00 am	Breakfast - attendees			200 RT (flow)	Oak Forest A (food in Esplanade)
8:00 am - 9:00 am	Breakfast - companions only			40 RT	The Gallery
7:00 am - 7:50 am <u>NEW TIME!</u>	<u>WG Web-page Development Breakfast</u> Open meeting (anyone may attend). At least one representative from each SC should attend. Get breakfast outside Oak Forest Ballroom and take to Willow Creek Room.		S. McNelly	25 CL P	Willow Oak
8:00 am - 9:15 am	ASC C57 EL&P Delegation	++	C. Niemann	30 HS	Capital
8:00 am - 9:15 am	SC Audible Sound & Vibration	ASV	J. Puri	50 CL ** O	Governors II
8:00 am - 9:15 am	SC Instrument Transformer (with discussion on the thermal evaluation of ITs and components)	IT	J. Smith	75 CL ** O	Governors I
8:00 am - 9:15 am	SC Insulation Life	IL	D. Platts	175 CL **	Hannover II / III
				** primarily classroom with 2-3 rows of theater seating in rear of room	
9:15 am - 9:30 am	<i>Break (with beverages)</i>				Esplanade
9:30 am - 10:45 am	SC UG Transf. & Network Protectors	UTNP	C. Niemann	30 HS	Capital
9:30 am - 10:45 am	SC Dielectric Tests	DiTests	L. Wagenaar	175 CL	Hannover II / III
10:45 am - 11:00 am	<i>Break (beverages only)</i>				Esplanade
11:00 am - 12:15 pm	Meeting (TBD)			30 HS	Capital
11:00 am - 12:15 pm	SC Insulating Fluids	IF	F. Gryszkiewicz	75 CL	Governors I
11:00 am - 12:15 pm	SC Performance Characteristics (with a brief presentation by G. Preininger on the design requirement in ANSI C57.12.00 that determines core excitation)	PCS	R. Girgis	175 CL P	Hannover II / III
12:15 pm - 1:30 pm	Lunch (open)				
1:30 pm - 2:45 pm	Meeting (TBD)			30 HS	Capital
1:30 pm - 2:45 pm	SC Dry Type	Dry	W. Patterson	75 CL	Governors I
1:30 pm - 2:45 pm	SC Power Transformers	Power	E. Hager	175 CL	Hannover II / III
2:45 pm - 3:00 pm	<i>Break (beverages and treats)</i>				Esplanade

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Wednesday, March 19, 2003 (continued)					
3:00 pm - 4:15 pm	IEC TC-14 Technical Advisory Group	++	P. Hopkinson	30 HS P	Capital
3:00 pm - 4:15 pm	SC Meetings Planning	Mtgs	G. Anderson	50 CL F	Governors II
3:00 pm - 4:15 pm	SC Distribution Transformers	Dist	E. Smith	75 CL	Governors I
3:00 pm - 4:15 pm	SC Bushings	Bush	F. Elliott	175 CL O	Hannover II / III
4:15 pm - 4:30 pm	<i>Break (beverages only)</i>				Esplanade
4:30 pm - 5:30 pm	SC Transformer Standards	Stds	T. Prevost	175 CL P	Hannover II / III
6:00 pm - 10:00 pm	Dinner Social -- " The North Carolina Museum of Art", with guided tours and sit-down dinner. -- Buses <u>will leave at 6:00 pm</u> . Busses will across the street from the front of Hotel (on Salisbury Street). -- Return to hotel between 9:30 pm and 10:00 pm. <u>Advance registration is necessary</u>				

Thursday, March 20, 2003 -- THURSDAY BREAK SPONSORED BY (TBD)

	No Meeting Registration, No Companion Tours				
7:00 am - 8:00 am	Breakfast - attendees (<u>no companions please</u>)			200 RT (flow)	Hannover
8:00 am - 9:00 am	Breakfast - companions only			30 RT	The Gallery
8:00 am - 9:45 am >	Transformers Committee -- <u>All attendees</u> are encouraged to attend!		J. Sim	300 CL S1 <u>elevat. tbl</u> for 4, lectern w/mic, 1 floor mic	Oak Forrest Ballroom
9:45 am - 10:00 am	<i>Break (beverages only)</i>				Esplanade
> 10:00 am - 12:00 pm	Transformers Committee		J. Sim		Oak Forrest Ballroom
1:00 pm - 3:00 pm	ASC C57 Main Committee (closed meeting, by invitation only)	++	S. Kennedy	30 HS need screen & power strip	Hannover III
1:00 pm - 3:00 pm	Meeting (TBD)			25 HS	Hannover II
12:15 pm - 7:00 pm	Technical Tour #2: ABB's Small Power Transformers Plant, South Boston, VA (with box lunch on bus) -- <u>Advance reservation necessary</u> . Contact Ray Nicholas at 434-575-2133 or ray.nicholas@ieee.org. -- Bus will leave from across the street from front of hotel at 12:15 pm. On the return trip, the bus will make a brief stop at the Raleigh-Durham Airport around 6:00 pm before returning to the hotel around 7:00 pm.				

No EPRI Power Transformer Project Review Meeting. This meeting is normally held with the EPRI Substation Equipment Diagnostics Conference in the spring, and with the IEEE/PES Transformers Committee Meeting in the fall.

Friday, March 21, 2003

No Meetings or Events



The floor plan of the second floor of the USS Intrepid is divided into several main sections. On the left side, there is a large rectangular area labeled 'The Gallery'. To its right is a 'Boardroom'. Further right is a 'Mezzanine' area with an 'Open' space and a 'Women's' restroom. Above the Mezzanine is the 'Governor's Room' and a 'Capital Room'. To the right of the Mezzanine is a 'Prefunction' area with 'Exit' signs and 'Storage' space. Further right is a 'Hannover Ballroom' with a 'Men's' restroom. On the far right side, there is a 'Willow Oak' area with a 'Men's' restroom, a 'Women's' restroom, and a 'Storage' room. Below the Willow Oak area is the 'Oak Forest Ballroom', which is divided into sections 'A' and 'B'. To the left of the Oak Forest Ballroom is a 'Bus. Ctr.' and a 'Pin Oak' area. The bottom right section of the plan is a large 'Atrium' with a 'Escalade' area. The plan also shows various 'Exit' signs and 'Storage' areas throughout the building.