

IEEE/PES TRANSFORMERS COMMITTEE

www.transformerscommittee.org

Hosted by Dennis & Merritt Blake and Pennsylvania Transformer

Sheraton Station Square Hotel; Pittsburgh, Pennsylvania, USA

Fall 2003 Meeting -- October 5-9, 2003

NOTE: All Meetings and Attendee Breakfasts are on the first floor of the hotel. Companions Breakfasts are on the second floor.
See Page 2 for a key to the 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>
Saturday, October 4					
No Meetings or Events, No Meeting Registration					
Sunday, October 5					
8:30 am - 1:30 pm	Technical Tour #1: <u>Pennsylvania Transformer Plant</u> . Includes catered lunch at the plant. -- By Invitation Only. Contact Judy Panian at 724-873-2595 or dennis.blake@ieee.org. -- Buses will leave from the front of the Sheraton at 8:30 am. Return to hotel by 1:30 pm.				
1:00 pm - 7:00 pm	Meeting Registration			1 phone line	Lobby Windows
2:00 pm - 5:30 pm	Administrative SC -- Closed meeting, by invitation only	Admin.	J. Sim	30 HS P (w/snack buffet)	Grand Station III
2:00 pm - 5:00 pm	ASC C57 NEMA Delegation -- Closed meeting, by invitation only	++	C. Drexler	30 HS P need screen & power strip only	Grand Station IV
6:00 pm - 8:00 pm	Hospitality Reception -- All members, guests & companions are welcome -- Advance registration encouraged			300 Recept. (large rounds & tall cocktails)	Reflections / Admiral
Monday, October 6 -- Monday Breaks Sponsored by HICO America, Inc. **					
7:00 am - 5:00 pm	Meeting Registration			1 phone line	Lobby Windows
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			200 RT (flow)	Admiral
8:00 am - 9:00 am	Breakfast - Companions			50 RT	Fountain View
9:15 am - 4:30 pm	Monday Companion Tour: <u>Amish Country/Wendell August Forge Tour</u> . Advance registration required. -- The bus will leave from front of Sheraton at 9:15 am. Return around 4:30 pm. Includes lunch.				
7:05 am - 7:50 am	Newcomers Orientation Breakfast -- All "Newcomers" & Guests are encouraged to attend. Get breakfast and take to meeting room. -- Food will be ready at 7:00 am -- Please be ready for a 7:05 am meeting start		K. Hanus	50 CL P	Waterfront
7:05 am - 7:50 am	Distribution SC Coordination Breakfast -- All Distribut. WG & TF Chairs are encouraged to attend. Get breakfast and take to meeting room.		E. Smith	100 CL P	G. Station V / IV
8:00 am - 9:15 am	TF Dry-Type Reactors (with WG Shunt Reactors C57.21)	Dry	R. Dudley	50 CL O	Reflections
8:00 am - 9:15 am	TF C57.17 Arc Furnace Transformers	Power	D. Corsi	50 CL P	Grand Station III
8:00 am - 9:15 am	WG Electronic Data Transmittal PC57.12.37	Dist	T. Callsen/ R. Hollingsworth	100 CL P	G. Station V / IV
8:00 am - 9:15 am	WG Partial Discharge Measurements	DiTests	J. Harley	180 CL S3 *	Grand Station I
8:00 am - 9:15 am	TF Winding Temperature Indicators	IL	P. McClure	180 CL S3 *	Grand Station II
				* add 2-3 rows of theater seating in rear of room if necessary	
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Grand Station Pre-function	

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

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

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Monday, October 6 (continued)					
9:30 am - 10:45 am	WG 3-ph UG Distribut. Trans. C57.12.24	UTNP	J. Sullivan	50 CL	Reflections
9:30 am - 10:45 am	WG Thermal Evaluation of Power and Distribution Trans. C57.100	IL	R. Wicks	50 CL P	Grand Station III
9:30 am - 10:45 am	WG 1-ph OH Dist. Trans. C57.12.20	Dist	A. Wilks	100 CL O	G. Station V / IV
9:30 am - 10:45 am	WG PCS Rev. to Test Code C57.12.90	PCS	B. Forsyth	180 CL S3	Grand Station I
9:30 am - 10:45 am	WG Revision Installation Guide C57.93	Power	M. Lau	180 CL S3	Grand Station II
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Grand Station Pre-function	
11:00 am - 12:15 pm	WG Ventilated Dry-Type Network Transformers C57.12.57	UTNP	A. Robinson	50 CL	Reflections
11:00 am - 12:15 pm	WG Temp. Rise Test Procedures in Section 11 of C57.12.90	IL	P. Payne	50 CL	Grand Station III
11:00 am - 12:15 pm	WG 1-ph Padmount Distribution Transformers C57.12.25	Dist	A. Ghafourian	100 CL O	G. Station V / IV
11:00 am - 12:15 pm	WG Revision to Low Frequency Tests	DiTests	M. Perkins	180 CL S3, P	Grand Station I
11:00 am - 12:15 pm	TF Control Cabinet Guidelines	Power	J. Watson	180 CL S3, P	Grand Station II
12:15 pm - 1:30 pm	Lunch Mtg - Standards Develop. Process Review -- All WG & TF Chairs are encouraged to attend. -- Advance reservation necessary (\$15 for box lunch). -- IMPORTANT: Bring your ticket to the lunch.		T. Prevost	100 RT P (keep tbls from bkfst, set food for guarantee)	Admiral
1:45 pm - 3:00 pm	WG Dry-Type Gen. Require. C57.12.01	Dry	J. Sullivan	50 CL	Waterfront
1:45 pm - 3:00 pm	WG Sec. Network Protectors C57.12.44	UTNP	D. Mulkey	50 CL	Reflections
1:45 pm - 3:00 pm	SC HVDC Converter Transformers and Smoothing Reactors	HVDC	R. Dudley	50 CL O	Grand Station III
1:45 pm - 3:00 pm	[Meeting TBD]			100 CL	G. Station V / IV
1:45 pm - 3:00 pm	WG PCS Revisions to C57.12.00	PCS	S. Snyder	180 CL S3	Grand Station I
1:45 pm - 3:00 pm	WG LTC Performance C57.131	Power	W. Henning	180 CL S3, P	Grand Station II
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i>			Grand Station Pre-function	
3:15 pm - 4:30 pm	WG Neutral Ground. Devices PC57.32	PCS	S. Schappell	50 CL	Waterfront
3:15 pm - 4:30 pm	WG Liquid-immersed Secondary Network Transformers C57.12.40	UTNP	B. Klaponski	50 CL	Reflections
3:15 pm - 4:30 pm	WG Revision of Impulse Guide C57.98	DiTests	A. Molden	50 CL	Grand Station III
3:15 pm - 4:30 pm	WG Semiconductor Rectifier Transformers C57.18.10	PCS	S. Kennedy	100 CL P	G. Station V / IV
3:15 pm - 4:30 pm	Joint WG Optical ITs C57.13/PSIM P1601	IT/PSIM	Rahmatian/Gilleland	180 CL S3, P	Grand Station I
3:15 pm - 4:30 pm	WG Transformer Life Extension C57.140	Power	R. James	180 CL S3, O	Grand Station II
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			Grand Station Pre-function	
4:45 pm - 6:00 pm	Presentation #1: "Panel Discussion - Winding Temperature Measurement: Techniques, Devices and Operation", by Garnitschnig, McClure, Shaver, Teetsel, Thompson		Sponsor: IL	180 TH S3, P (add lapel mic)	Grand Station I
4:45 pm - 6:00 pm	Presentation #2: "Panel Discussion - Power Systems Over-voltage Requirements and Their Impact on Transformer Design", by Chu, Girgis, Moore, Patel, Preininger		Sponsor: PCS	180 TH S3, P (add lapel mic)	Grand Station II
6:30 am - 10:00 pm	Technical Tour #2: <u>Mitsubishi Electric's Circuit Breaker Plant</u> . Includes dinner. -- By Invitation Only. Contact Craig Swinderman at (724) 778-5234 or craig.swinderman@meppi.com. -- Buses will leave from the front of the Sheraton at 6:30 am. Return to hotel by 10:00 pm.				

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Tuesday, October 7 -- Tuesday Breaks Sponsored by <u>On-Line Monitoring Inc.</u> **					
7:00 am - 12:00 pm	Meeting Registration			1 phone line	Lobby Windows
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			200 RT (flow)	Admiral
8:00 am - 9:00 am	Breakfast - Companions			50 RT	Fountain View
<u>9:00 am</u> - 5:00 pm	Tuesday Companion Tour: <u>Fallingwater Tour</u> . Advance registration required. -- The bus will leave from front of Sheraton at <u>9:00 am</u> . Return around 5:00 pm. Includes lunch.				
8:00 am - 9:15 am	WG West Coast	Power	M. Lau	50 CL	Waterfront
8:00 am - 9:15 am	WG Test Requirements for HV Instrument Transformers C57.13.5	IT	J. Ma	50 CL O	Reflections
8:00 am - 9:15 am	WG Guide for DGA in LTCs C57.139	IF	R. Ladroga	50 CL	Grand Station III
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	G. Station V / IV
8:00 am - 9:15 am	TF Def. Thermal Upgraded Insulation	IL	D. Platts	180 CL S3 *	Grand Station I
8:00 am - 9:15 am	WG Switching Transients Induced by Transformer/Breaker Interaction	PCS	R. Degeneff	180 CL S3 * O, P	Grand Station II
				* add 2-3 rows of theater seating in rear of room if necessary	
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Grand Station Pre-function	
9:30 am - 10:45 am	WG Thermal Evaluation C57.12.56 and C57.12.60	Dry	R. Provost	50 CL	Waterfront
9:30 am - 10:45 am	TF Joint/PSIM Low PF Measurement with special presentation on "Traceability and TBT (Technical Barriers to Trade)"	PCS	E. So	50 CL O, P	Reflections
9:30 am - 10:45 am	WG Natural Ester-based Fluids	IF	P. McShane	50 CL	Grand Station III
> 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	G. Station V / IV
9:30 am - 10:45 am	WG Thermal Duplicate Guide PC57.145	IL	B. Beaster	180 CL S3	Grand Station I
9:30 am - 10:45 am	TF Functional Life Tests, De-energized Tap Changers (DETC)	Power	P. Hopkinson	180 CL S3, P	Grand Station II
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Grand Station Pre-function	
11:00 am - 12:15 pm	WG ITs for Electronic Meters & Relays	IT	C. TenHaagen	50 CL	Waterfront
11:00 am - 12:15 pm	WG Loss Tolerance and Measurement	PCS	E. teNyenhuis	50 CL P	Reflections
11:00 am - 12:15 pm	WG Revision of Oil Guide C57.106	IF	J. Thompson/ T. Oommen	50 CL O	Grand Station III
11:00 am - 12:15 pm	WG Distribution Substation Transformers C57.12.36	Dist	J. Rossetti/ Plaster/Aho	75 CL P	G. Station V / IV
11:00 am - 12:15 pm	TF Rev. to Temp. Ratings in C57.12.00	IL	D. Marlow	180 CL S3	Grand Station I
11:00 am - 12:15 pm	TF Bushing Applicat. Guide C57.19.100	Bush	K. Ellis	180 CL S3	Grand Station II
12:15 pm - 1:45 pm	Speaker Luncheon. Advance registration is necessary -- Ed Reis as "George Westinghouse, The Forgotten Genius". -- IMPORTANT: Bring your ticket and place on table to indicate your meal selection.			200 RT S1, P elevat. tbl for 6, lectern w/mic	Admiral
1:45 pm - 3:00 pm	WG Instrument Transformer Standard Requirements C57.13	IT	T. Nelson	50 CL O	Waterfront
1:45 pm - 3:00 pm	WG Dry-Type Test Code C57.12.91	Dry	D. Foster	60 CL P	Reflections
1:45 pm - 3:00 pm	WG Revision of C57.12.10	Power	J. Arteaga	50 CL O	Grand Station III
1:45 pm - 3:00 pm	WG Loss Evaluation Guide C57.12.33	Dist	D. Duckett/ T. Pekarek	75 CL	G. Station V / IV
1:45 pm - 3:00 pm	WG Revision to Loading Guide C57.91	IL	T. Raymond	180 CL S3	Grand Station I
1:45 pm - 3:00 pm	WG Dielectric Test Tables, Liquid-filled	DiTests	P. Hopkinson	180 CL S3, P	Grand Station II
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i>			Grand Station Pre-function	

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

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Tuesday, October 7 (continued)					
3:15 pm - 4:30 pm	WG Conform. Tests C57.13.2	IT	V. Khalin	50 CL	Waterfront
3:15 pm - 4:30 pm	TF Frequency Response Analysis (FRA) Guide	PCS	R. James	50 CL O	Reflections
3:15 pm - 4:30 pm	WG Sound Level Measurement Guide	ASV	J. Nielsen	50 CL O	Grand Station III
3:15 pm - 4:30 pm	WG Voltage Step Regulators C57.15	Dist	C. Colopy/ G. Kennedy	75 CL P	G. Station V / IV
3:15 pm - 4:30 pm	WG Revision to Impulse Tests	DiTests	P. Riffon	180 CL S3, O	Grand Station I
3:15 pm - 4:30 pm	WG Monitoring of Transformers C57.143	Power	A. Lux/D. Chu	180 CL S3, P	Grand Station II
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			Grand Station Pre-function	
4:45 pm – 6:00 pm	Presentation #3: "Panel Discussion - Simplifications of Bushing Ratings and Dimensions Included in New Standard IEEE C57.19.01-2000", by Elliott, Rivers, Wagenaar **		Sponsor: Bush	180 TH S3, P (add lapel mic)	Grand Station I
4:45 pm – 6:00 pm	Presentation #4: "Panel Discussion - Ester-based Fluids", by McShane, Oommen, Tanger **		Sponsor: IF	180 TH S3, P (add lapel mic)	Grand Station II
No Evening Activity Planned					
Wednesday, October 8 – Wednesday Breaks Sponsored by Weidmann-ACTI Inc.					
No Meeting Registration, No Companion Tours					
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			200 RT (flow)	Admiral
8:00 am - 9:00 am	Breakfast - Companions			50 RT	Fountain View
7:05 am - 7:50 am	WG Web-page Development <u>Breakfast Meeting</u> -- Open meeting (anyone may attend). -- At least one representative from <u>each SC</u> should attend. Get breakfast and take to meeting room. -- Food will be ready at 7:00 am. -- Please be ready for a 7:05 am meeting start.		S. McNelly	50 CL P	Grand Station V
8:00 am - 9:15 am	EL&P Delegation -- Users only meeting	++	C. Niemann	30 HS	Waterfront
8:00 am - 9:15 am	SC Audible Sound & Vibration	ASV	J. Puri	50 CL O	Grand Station V
8:00 am - 9:15 am	SC Instrument Transformer	IT	J. Smith	100 CL O	G. Station III / IV
8:00 am - 9:15 am	SC Insulation Life	IL	D. Platts	200 CL S3	G. Station I / II
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Grand Station Pre-function	
9:30 am - 10:45 am	SC UG Transf. & Network Protectors	UTNP	C. Niemann	30 HS	Waterfront
9:30 am - 10:45 am	SC Dielectric Tests	DiTests	L. Wagenaar	200 CL S3, O	G. Station I / II
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Grand Station Pre-function	
11:00 am - 12:15 pm	SC Insulating Fluids	IF	F. Gryszkiewicz	100 CL	G. Station III / IV
11:00 am - 12:15 pm	SC Performance Characteristics	PCS	R. Girgis	200 CL S3, P	G. Station I / II
12:15 pm - 1:30 pm	Lunch (open)			Grand Station Pre-function	
1:30 pm - 2:45 pm	SC Dry Type	Dry	C. Johnson	100 CL	G. Station III / IV
1:30 pm - 2:45 pm	SC Power Transformers	Power	E. Hager	200 CL S3	G. Station I / II
2:45 pm - 3:00 pm	<i>Break (beverages and treats)</i>			Grand Station Pre-function	

** Contact Greg Anderson (gwanderson@ieee.org) if you are interested in making a technical presentation at a future meeting.

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Wednesday, October 8 (continued)					
3:00 pm - 4:15 pm	IEC TC-14 Technical Advisory Group [add description of meeting]	++	P. Hopkinson	30 HS P	Waterfront
3:00 pm - 4:15 pm	SC Meetings Planning	Mtgs	G. Anderson	50 CL P	Grand Station V
3:00 pm - 4:15 pm	SC Distribution Transformers	Dist	E. Smith	100 CL	G. Station III / IV
3:00 pm - 4:15 pm	SC Bushings	Bush	F. Elliott	200 CL S3, O	G. Station I / II
4:15 pm - 4:30 pm	<i>Break (beverages only)</i>			Grand Station Pre-function	
4:30 pm - 5:30 pm	SC Transformer Standards	Stds	T. Prevost	200 CL S3, P	G. Station I / II
6:00 pm - 10:00 pm	Dinner Social -- "The National Aviary", with buffet-style, sit-down dinner. Advance registration is necessary. -- Buses will be shuttling from the Sheraton at 6:00 pm. The last bus will leave at 6:30 pm. -- Return to hotel between 9:00 pm and 10:00 pm. -- <u>IMPORTANT</u> : Show your ticket as you board the bus.				
Thursday, October 9 -- Thursday Committee Break Sponsored by VA TECH Transformers **					
No Meeting Registration, No Companion Tours, <u>No ASC C57 Meeting</u>					
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			200 RT (flow)	Admiral
8:00 am - 9:00 am	Breakfast - Companions			50 RT	Pointview (note change from Wednesday)
8:00 am - 9:45 am >	Transformers Committee -- <u>All attendees</u> are encouraged to attend.		J. Sim	350 CL S1, <u>P</u> <u>elevat.</u> table for 4 lectern w/mic, one floor mic in each isle	Grand Station II / III / IV / V
9:45 am - 10:00 am	<i>Break (beverages only)</i>			Grand Station Pre-function	
> 10:00 am - 12:00 pm	Transformers Committee		J. Sim	350 CL S1, <u>P</u>	Grand Station II / III / IV / V
1:00 pm - 4:00 pm	Meeting (TBD)			30 HS	Ellwood I / II (2nd floor)
1:00 pm - 3:00 pm >	EPRI Power Transformer Project Review -- Closed meeting, EPRI members only	++	B. Ward	50 CL need screen & power strip only	Haselton I / II (2nd floor)
3:00 pm - 3:15 pm	<i>Break (with beverages)</i>			Haselton Pre-function	
> 3:15 pm - 5:00 pm >	EPRI Power Transformer Project Review -- Continued to Friday morning	++	B. Ward	50 CL	Haselton I / II
12:15 pm - 4:30 pm	Technical Tour #3: <u>Pennsylvania Transformer Plant</u> . Includes lunch. -- By Invitation Only. Contact Judy Panian at 724-873-2595 or dennis.blake@ieee.org. -- Buses will leave from front of Sheraton at 12:15 pm. Return to hotel by 4:30 pm. -- Special arrangements will be made for transportation to the airport after the tour.				
Friday, October 10					
No Transformers Committee Meetings or Events					
7:30 am - 8:00 am	Breakfast - EPRI members only	++		50 RT buffet bfst for 40 people	Ellwood I / II (2nd floor)
> 8:00 am - 10:00 am >	EPRI Power Transformer Project Review -- Closed meeting, EPRI members only -- Continued from Thursday afternoon	++	B. Ward	50 CL need screen & power strip only	Haselton I / II (2nd floor)
10:00 pm - 10:15 pm	<i>Break (with beverages)</i>			Haselton Pre-function	
> 10:15 am - 12:00 pm	EPRI Power Transformer Project Review	++	B. Ward	50 CL	Haselton I / II

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



Sheraton Station Square Hotel Pittsburgh, Pennsylvania, USA

NOTE: All Meetings and Attendee Breakfasts are held on the first floor of the hotel.

