

IEEE/PES TRANSFORMERS COMMITTEE

www.transformerscommittee.org

Spring 2006 Meeting; March 19-23, 2006

Hosted by Bill Chiu and Southern California Edison Co.

Hilton Orange County/Costa Mesa Hotel; Costa Mesa, California, USA

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 18					
No Meetings. No Meeting Registration. No tours.					
Sunday, March 19					
10:00 am - 5:00 pm	Sunday Activity: <u>Downtown Disney District, Crystal Cathedral</u> -- All attendees & companions welcome. Bus leaves from the Hilton at 10:00 am and return by 5:00 pm. -- Advance registration necessary. Lunch on your own at Downtown Disney.				
1:00 pm - <u>6:00 pm</u>	Meeting Registration (open until 6:00 pm only)			L-shaped table	B-2 Alcove
<u>2:00 pm</u> - 5:30 pm	NEMA Transformers -- Closed meeting, by invitation only	++	C. Drexler	20 US P (w/beverages)	B-2 Emerald 2
<u>2:30 pm</u> - 6:00 pm	Administrative SC -- Closed meeting, by invitation only	Admin.	D. Fallon	25 US P (w/snack buffet)	B-2 Emerald 1
<u>6:30 pm</u> - 8:30 pm	Hospitality Reception NOTE START AT 6:30 PM -- All members, guests & companions are welcome -- Register in advance please			300 Recept.	Catalina Ballroom (Lobby Level)
Monday, March 20 -- Monday Breaks Sponsored by <u>North American Substation Services</u> ***					
7:00 am - 5:00 pm	Meeting Registration			L-shaped table	B-2 Alcove
7:00 am - 4:30 pm	Internet Cafe'			20 SQ	B-1 Laguna 1 (upstairs)
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			275 RT (9/tbl)	B-2 Pacific 3/4
<u>7:30 am</u> - 8:15 am	Breakfast - Companions, no attendees, NOTE EARLY START!			80 RT (8/tbl)	Fountain Terrace (Lobby Level)
<u>8:30 am</u> - 4:30 pm	Companion Tour: <u>Dana Point Whale Watching, Mission San Juan Capistrano</u> . Includes lunch. -- Advance registration required. The bus will leave the Hilton at <u>8:30 am</u> and return around 4:30 pm.				
<u>7:00 am</u> - 7:50 am	<u>Newcomers Orientation</u> Breakfast Meeting -- Newcomers & Guests are encouraged to attend. Get breakfast in Pacific 1/2 and take to Emerald 1.		T. Prevost	40 CL P	B-2 Emerald 1
7:00 am - 7:50 am	Distribution SC Coordination Meeting (closed mtg)		K. Hanus	15 CONF	Bristol Palms Private Room
8:00 am - 9:15 am	WG 3-ph UG Distribution Transformers C57.12.24	UTNP	G. Termini /J. Sullivan	30 CL	B-2 Balboa 2
8:00 am - 9:15 am	TF Arc Furnace Transformers C57.17	Power	D. Corsi	40 CL	B-2 Emerald 1
8:00 am - 9:15 am	TF Dry-Type Reactors	Dry	R. Dudley	40 CL	B-2 Balboa 1
8:00 am - 9:15 am	WG Electronic Test Data Reporting PC57.12.37	Dist	T. Callsen/ R. Hollingsworth	80 CL	B-2 Emerald 2/3
8:00 am - 9:15 am	TF Electrical Partial Discharge Measurements Guide C57.113	DiTests	E. Lemke	150 CL S3	B-2 Pacific 1
8:00 am - 9:15 am	WG Transformer Monitoring C57.143	Power	D. Chu/A. Lux	125 CL S3 (with raised tbl for 5)	B-2 Pacific 2
9:15 am - 9:30 am	<i>Break (beverages only)</i>			B-2 Foyer	

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Monday, March 20 (continued)					
9:30 am - 10:45 am	WG Liquid-immersed Secondary Network Transformers C57.12.40	UTNP	B. Klaponski	30 CL	B-2 Balboa 2
9:30 am - 10:45 am	TF Winding Temperature Indicators	IL	P. McClure	40 CL	B-2 Emerald 1
9:30 am - 10:45 am	WG Revision of C57.12.10	Power	J. Arteaga	40 CL	B-2 Balboa 1
9:30 am - 10:45 am	WG Overhead Dist. Trans. C57.12.20	Dist	A. Wilks/ T. Cooper	80 CL	B-2 Emerald 2/3
9:30 am - 10:45 am	WG PCS Rev. to Test Code C57.12.90	PCS	M. Perkins	150 CL S3	B-2 Pacific 1
9:30 am - 10:45 am	WG Acoustic PD Measurements	DiTests	J. Harley	125 CL S3	B-2 Pacific 2
10:45 am - 11:00 am	<i>Break (beverages only)</i>			B-2 Foyer	
11:00 am - 12:15 pm	WG Std Terminology C57.12.80	Stds	T. Raymond	30 CL	B-2 Balboa 2
11:00 am - 12:15 pm	WG Thermal Evaluation of Power and Distribution Trans. C57.100	IL	R. Wicks	40 CL	B-2 Emerald 1
11:00 am - 12:15 pm	WG Shunt Reactors C57.21	PCS	R. Dudley	40 CL	B-2 Balboa 1
11:00 am - 12:15 pm	WG 1-ph Padmount Distribution Transformers C57.12.25	Dist	A. Ghafourian/ I. Ares	80 CL	B-2 Emerald 2/3
11:00 am - 12:15 pm	WG Revision to Low Frequency Tests	DiTests	B. Poulin	150 CL S3	B-2 Pacific 1
11:00 am - 12:15 pm	WG Standard for Control Cabinets	Power	J. Watson	125 CL S3	B-2 Pacific 2
12:15 pm - 1:30 pm	Lunch Mtg - Standards Develop. Process Review -- All WG & TF Chairs are encouraged to attend. -- Advance reservation required (\$20 for box lunch). -- Paper tickets will not be provided. -- Admission to verified at the door.		B. Chiu	80 RT (8/tbl) (same set from bkfst, prep food for guarantee)	B-2 Pacific 3/4
1:45 pm - 3:00 pm	WG Sec. Network Protectors C57.12.44	UTNP	D. Mulkey	30 CL	B-2 Balboa 2
1:45 pm - 3:00 pm	WG Thermal Evaluation C57.12.56 and C57.12.60	Dry	R. Provost/ R. Wicks	40 CL	B-2 Emerald 1
1:45 pm - 3:00 pm	SC HVDC Converter Transformers and Smoothing Reactors	HVDC	R. Dudley	40 CL	B-2 Balboa 1
1:45 pm - 3:00 pm	WG 3-ph Padmount Distribution Transformers C57.12.34	Dist	R. Stahara/ S. Shull	75 CL	B-2 Emerald 2/3
1:45 pm - 3:00 pm	WG PCS Revisions to C57.12.00	PCS	S. Snyder	150 CL S3	B-2 Pacific 1
1:45 pm - 3:00 pm	WG LTC Performance C57.131	Power	W. Henning	125 CL S3	B-2 Pacific 2
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i>			B-2 Foyer	
3:15 pm - 4:30 pm	WG 1-ph Submersible Distribution Transformers C57.12.23	UTNP	A. Traut/ B. Basu	30 CL	B-2 Balboa 2
3:15 pm - 4:30 pm	Joint WG Optical ITs C57.13/PSIM P1601	IT/PSIM	Rahmatian/ Gilleland	40 CL	B-2 Emerald 1
3:15 pm - 4:30 pm	WG Dry-Type Test Code C57.12.91	Dry	D. Foster	40 CL	B-2 Balboa 1
3:15 pm - 4:30 pm	WG Revision of Impulse Guides C57.98 and C57.138	DiTests	A. Molden	80 CL	B-2 Emerald 2/3
3:15 pm - 4:30 pm	TF Core Overexcitation Requirements	PCS	C. Stiegemeier	150 CL S3	B-2 Pacific 1
3:15 pm - 4:30 pm	WG Transf. Life Extension PC57.140	Power	R. James/ W. Bartley	125 CL S3	B-2 Pacific 2
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			B-2 Foyer	
4:45 pm - 6:00 pm	Tutorial/Presentation #1: "Environmental Impact of Audible Sound Produced by Transformers and Reactors", by Dudley, Girgis, Papp, Ploetner, and Verner **			125 CL S3 (add 50 TH seats in rear)	B-2 Pacific 2
No Evening Activity Planned					

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

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Tuesday, March 21 -- Tuesday Breaks Sponsored by MGM Transformer Company ***					
7:00 am - 12:00 pm	Meeting Registration		B-2 Alcove	L-shaped table	B-2 Alcove
7:00 am - 4:30 pm	Internet Cafe'			20 SQ	B-1 Laguna 1
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			300 RT (9/tbl)	B-2 Pacific 3/4
7:30 am - 8:15 am	Breakfast - Companions, no attendees, NOTE EARLY START!			80 RT (8/tbl)	Fountain Terrace
8:30 am - 5:00 pm	Companion Tour: <u>Getty's Museum/Center, Grauman's Chinese Theater at Hollywood</u> . Includes lunch. -- Advance registration required. The bus will leave the Hilton at 8:30 am and return by 5:00 pm.				
8:00 am - 9:15 am	WG Test Requirements for HV Instrument Transformers C57.13.5	IT	R. McTaggart/ P. Riffon	30 CL	B-2 Balboa 2
8:00 am - 9:15 am	WG Temp. Rise Test Procedures in Section 11 of C57.12.90	IL	P. Payne Powell	40 CL	B-2 Emerald 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	40 CL	B-2 Balboa 1
8:00 am - 9:15 am	WG Switching Transients Induced by Transformer/Breaker Interaction	PCS	R. Degeneff	80 CL	B-2 Emerald 2/3
8:00 am - 9:15 am	WG Natural Ester-based Fluids C57.147	IF	P. McShane	150 CL S3	B-2 Pacific 1
8:00 am - 9:15 am	TF Transformers for Wind Farms	TBD	J. Watson	125 CL S3 (with raised tbl for 5)	B-2 Pacific 2
9:15 am - 9:30 am	<i>Break (beverages only)</i>			B-2 Foyer	
	WG Dry Type Gen. Require. C57.12.04		Postponed until the Fall 2006 Meeting		
9:30 am - 10:45 am	TF Joint/PSIM Low PF Measurement	PCS	E. So	30 CL	B-2 Balboa 2
9:30 am - 10:45 am	TF Functional Life Tests, De-energized Tap Changers (DETC)	Power	P. Hopkinson	40 CL	B-2 Emerald 1
9:30 am - 10:45 am	(TBD)			40 CL	B-2 Balboa 1
9:30 am - 10:45 am	WG Rev. Field Test Guide IEEE 62	DiTest	L. Wagenaar	80 CL	B-2 Emerald 2/3
9:30 am - 10:45 am	WG Revision of Oil Acceptance & Maintenance Guide C57.106	IF	J. Thompson/ T. Oommen	150 CL S3	B-2 Pacific 1
9:30 am - 10:45 am	WG Revision to Loading Guide C57.91	IL	T. Raymond	125 CL S3	B-2 Pacific 2
10:45 am - 11:00 am	<i>Break (beverages only)</i>			B-2 Foyer	
11:00 am - 12:15 pm	TF Power Transf. Tank Rupture & Mitigation (new)	Power	P. Zhao	30 CL	B-2 Balboa 2
11:00 am - 12:15 pm	WG Phase-shift Trans. Guide C57.135	Power	J. McIver	40 CL	B-2 Emerald 1
11:00 am - 12:15 pm	WG Loss Tolerance and Measurement	PCS	E. teNyenhuis	40 CL	B-2 Balboa 1
11:00 am - 12:15 pm	TF IEEE-IEC Cross Reference (new)	Stds	S. Beckman	80 CL	B-2 Emerald 2/3
11:00 am - 12:15 pm	WG Dist. Substation Transf. C57.12.36	Dist	Aho/Rossetti	150 CL S3	B-2 Pacific 1
11:00 am - 12:15 pm	WG Guide for DGA in LTCs C57.139	IF	F. Jakob	125 CL S3	B-2 Pacific 2
12:15 pm - 1:30 pm	<u>Speaker Luncheon</u> . Mike Lattimore, "Life Work That Makes the Heart Sing". Advance registration is necessary. -- 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 (8) P add <u>elevated</u> tbl for 5, add lectern w/mic & lapel	Fountain Terrace (Lobby Level) NOTE LOCATION!
1:45 pm - 3:00 pm	WG Rev. Transf. for Non-sinusoidal Loads C57.110	PCS	R. Marek	30 CL	B-2 Balboa 2
1:45 pm - 3:00 pm	SC Instrument Transformer	IT	J. Smith	40 CL	B-2 Emerald 1
1:45 pm - 3:00 pm	WG Voltage Step Regulators C57.15	Dist	C. Colopy/ G. Kennedy	40 CL	B-2 Balboa 1
1:45 pm - 3:00 pm	WG Dielectric Test Tables, Liquid-filled	DiTests	P. Hopkinson	80 CL	B-2 Emerald 2/3
1:45 pm - 3:00 pm	WG Revision Installation Guide C57.93	Power	M. Lau	150 CL S3	B-2 Pacific 1
1:45 pm - 3:00 pm >	WG Revision to Gas Guide C57.104	IF	R. Ladroga	125 CL S3	B-2 Pacific 2
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i>			B-2 Foyer	

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Tuesday, March 21 (continued)					
	TF Arc Furnace Transformers C57.17	Power	moved to Monday at 8:00 am		
3:15 pm - 4:30 pm	TF Revision to IEEE 638 (new)	Power	C. Swinderman	30 CL	B-2 Balboa 2
3:15 pm - 4:30 pm	WG Semiconductor Rectifier Transformers C57.18.10	PCS	S. Kennedy	40 CL	B-2 Emerald 1
3:15 pm - 4:30 pm	TF Bushing Applicat. Guide C57.19.100	Bush	T. Spitzer	40 CL	B-2 Balboa 1
3:15 pm - 4:30 pm	WG for Bar Coding Distribution Transformers C57.12.35	Dist	L. Matthews/ G. Termine	80 CL	B-2 Emerald 2/3
3:15 pm - 4:30 pm	WG Revision to Impulse Tests	DiTests	P. Riffon/ P. Heinzig	150 CL S3	B-2 Pacific 1
> 3:15 pm - 4:30 pm	WG Revision to Gas Guide C57.104	IF	R. Ladroga	125 CL S3	B-2 Pacific 2
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			B-2 Foyer	
4:45 pm - 6:00 pm	Tutorial/Presentation #2: "Aging Rate of Kraft Paper Insulation Immersed in Natural Ester Based Dielectric ", by McShane, Duckett, and Jakob **			125 CL S3 (add 50 TH seats in rear)	B-2 Pacific 2
No Evening Activity Planned					
Wednesday, March 22 -- Wednesday Breaks Sponsored by <u>Serveron</u> ***					
No Meeting Registration, No Companion Tours					
7:00 am - 5:30 pm	Internet Cafe'			20 SQ	B-1 Laguna 1
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			275 RT (9/tbl)	B-2 Pacific 3/4
8:00 am - 9:00 am	Breakfast - Companions (no attendees please)			72 RT (8/tbl)	Fountain Terrace
7:00 am - 7:45 am	SC Meetings Planning -- get your breakfast in Pacific 1/2 and take to Emerald 1	Mtgs	G. Anderson	40 CL	B-2 Emerald 1
8:00 am - 9:15 am	EL&P Delegation -- Users only meeting	++	K. Hanus	40 CL	B-2 Emerald 1
8:00 am - 9:15 am	WG Sound Level Measurement Guide	ASV	J. Puri	80 CL	B-2 Balboa 1/2
8:00 am - 9:15 am	SC Insulation Life	IL	D. Platts	80 CL S3	B-2 Emerald 2/3
8:00 am - 9:15 am	SC Dielectric Tests	DiTests	L. Wagenaar	200 CL S3	B-2 Pacific 1/2
9:15 am - 9:30 am	<i>Break (beverages only)</i>			B-2 Foyer	
9:30 am - 10:45 am	WG Neutral Ground. Devices PC57.32	PCS	S. Schappell		
9:30 am - 10:45 am	WG Transportation Issues Guide	Power	G. Anderson/ E. Schweiger	80 CL	B-2 Balboa 1/2
9:30 am - 10:45 am	SC Audible Sound & Vibration	ASV	J. Puri	40 CL	B-2 Emerald 1
9:30 am - 10:45 am	SC Distribution Transformers	Dist	K. Hanus	80 CL S3	B-2 <u>Emerald 2/3</u>
9:30 am - 10:45 am	SC Bushings (w/special presentation on "Interaction of Bushings and Transformers During Seismic Events"	Bush	F. Elliott	200 CL S3	B-2 Pacific 1/2
10:45 am - 11:00 am	<i>Break (beverages only)</i>			B-2 Foyer	
11:00 am - 12:15 pm	WG Frequency Response Analysis (FRA) Guide PC57.149	PCS	C. Sweetser	40 CL	B-2 Emerald 1
11:00 am - 12:15 pm	SC UG Transf. & Network Protectors	UTNP	C. Niemann	80 CL	B-2 Balboa 1/2
11:00 am - 12:15 pm	SC Dry Type	Dry	C. Johnson	80 CL S3	B-2 Emerald 2/3
11:00 am - 12:15 pm	SC Power Transformers	Power	T. Lundquist	200 CL S3	B-2 Pacific 1/2
12:15 pm - 1:30 pm	Lunch (on your own)				

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KEY

> -- activity continued into another session / from another session

++ -- not a Transformers Committee activity TBD = to be determined

P = PC projector (all rooms have OH 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 (w/head table for 2-3)

TH -- theater seating (with head table for 2-3)

RT -- multiple roundtable (8-9/table)

US -- one hollow square or U-shape

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Wednesday, March 22 (continued)					
	NEMA ST-1/ST-20 Revision	++	Canceled		
1:30 pm - 2:45 pm	(TBD)			40 CL	B-2 Emerald 1
1:30 pm - 2:45 pm	TF West Coast	Power	M. Lau	80 CL	B-2 Balboa 1/2
1:30 pm - 2:45 pm	SC Insulating Fluids (will move to Tues., 3:15 pm in Fall '06)	IF	F. Gryszkiewicz	80 CL S3	B-2 Emerald 2/3
1:30 pm - 2:45 pm	SC Performance Characteristics	PCS	R. Girgis	200 CL S3	B-2 Pacific 1/2
2:45 pm - 3:00 pm	<i>Break (beverages only)</i>			B-2 Foyer	
3:00 pm - 4:15 pm	IEC TC-14 Technical Advisory Group (all interested parties welcome)	++	P. Hopkinson	80 CL	B-2 Balboa 1/2
3:00 pm - 4:15 pm	SC Transformer Standards	Stds	B. Chiu	200 CL S3	B-2 Pacific 1/2
4:30 pm - 9:30 pm	Dinner Social at <u>Richard Nixon Library & Birthplace</u> . Advance registration is necessary. -- Buses begin departing at 4:30 pm. Last bus will depart at 5:00 pm. Return to the hotel 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 board the bus.				

Thursday, March 23

	No Meeting Registration, No Companion Tours, No EPRI Meetings, <u>No Internet Cafe</u>				
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			250 RT	B-2 Pacific 3/4
8:00 am - 9:00 am	Breakfast - Companions (no attendees please)			64 RT	Fountain Terrace
8:00 am - 9:45 am >	Transformers Committee -- <u>All attendees</u> are encouraged to attend. -- See separate document for meeting agenda.		D. Fallon	250 CL S1, P <u>elevat.</u> table for 4	B-2 Pacific 1/2 (3 per 8')
9:45 am - 10:00 am	<i>Break (beverages only)</i>			B-2 Foyer	
> 10:00 am - 11:30 pm	Transformers Committee		D. Fallon	250 CL S1, P	B-2 Pacific 1/2
12:30 pm - 5:30 pm	Technical Tour: <u>Sylmar HVDC Converter Station</u> -- Limited openings. See security requirements in event flyer. No meals, eat lunch at the hotel beforehand. -- The bus will leave from The Hilton at 12:30 pm and return by 5:30 pm.				
1:00 pm - 3:00 pm >	EPRI Power Transformer Project Review -- Closed meeting, EPRI members only	++	B. Ward	48 CL	B-2 Emerald 2/3
3:00 pm - 3:15 am	<i>Break (beverages only)</i>			B-2 Foyer	
> 3:15 pm - 5:00 pm >	EPRI Power Transformer Project Review -- Continued into Friday morning	++	B. Ward	48 CL	B-2 Emerald 2/3

Friday, March 24

	No Transformer Committee Meetings, No Internet Cafe'				
7:30 am - 8:00 am	Breakfast - EPRI members only			32 RT	B-2 Emerald 2
> 8:00 am - 10:00 am >	EPRI Power Transformer Project Review -- Closed meeting, EPRI members only -- Continued from Thursday afternoon	++	B. Ward	32 CL	B-2 Emerald 2
10:00 am - 10:15 am	<i>Break (beverages only)</i>			B-2 Foyer	
> 10:15 am - 12:00 pm	EPRI Power Transformer Project Review	++	B. Ward	32 CL	B-2 Emerald 2

FUTURE COMMITTEE MEETINGSFALL 2006 - October 22-26; Montreal, Quebec; Delta Center-Ville. Hosted by Thang Hochanh and Hydro Quebec/IREQ.SPRING 2007 - March 11-15; location to be determinedFALL 2007 - Date TBD; Minneapolis, Minnesota. Hosted by Susan McNelly and Xcel Energy.

Hilton Orange County/Costa Mesa

Costa Mesa, California, USA

