

**IEEE/PES TRANSFORMERS COMMITTEE**[www.transformerscommittee.org](http://www.transformerscommittee.org)**Fall 2011 Meeting; October 30 - November 3****Hosted by OMICRON electronics Corp. USA****Renaissance Waterfront Hotel; Boston, Massachusetts USA****NOTES:** See Page 5 for a key to abbreviations. A vertical line in the left margin indicates a noteworthy revision since last revision.

<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>
<b>Saturday, October 29</b>					
No Meeting Registration, No Transformers Committee Meetings, No Social Events or Tours					
<b>Sunday, October 30</b>					
10:30 am - 12:00 pm	<u>Special Event: "Boston Duck Tour"</u> -- Indicate your desire to attend while registering on-line for the Committee Meeting (will sell-out early!). -- Ducks depart the Renaissance Hotel at 10:30 am; and return to hotel approx 12:00 pm. -- Eat breakfast before boarding. Lunch on your own.				
1:00 pm - <u>5:30 pm</u>	Meeting Registration				3rd Floor Foyer
2:00 pm - 5:30 pm	Administrative SC -- Closed meeting, by invitation only	Admin.	E. Smith	26 US (w/snack buffet)	Atlantic 1 (3rd Floor)
2:00 pm - 5:30 pm	NEMA Transformers -- Closed meeting, by invitation only	++	C. Drexler	20 US (w/beverages)	Atlantic 2 (3rd Floor)
6:00 pm - 8:00 pm	Welcome Reception			450 Reception	Pacific ABCDE
<b>Monday, October 31 (Happy Halloween!) -- Monday Breaks Sponsored by Waukesha Electric Systems ***</b>					
7:00 am - <u>4:00 pm</u>	Meeting Registration				3rd Floor Foyer
7:00 am - 6:00 pm	Internet Cafe'			10 BR	Bering
<u>7:00 am</u> - 7:50 am	Newcomers Orientation (arrive early!) -- Newcomers & Guests are encouraged to attend! -- Get food in Atlantic 1&2 and carry into Atlantic 3		B. Chiu	54 CL	Atlantic 3 (with opening in airwall)
7:00 am - 7:45 am	Distribution SC Leaders Coordination -- Closed meeting, by invitation only		S. Shull	16 CONF	606 Congress Restaurant Private Dining Rm
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			240 RT (9/tbl)	Atlantic 1&2
8:00 am - 9:00 am	Breakfast - Spouses/Companions (no meeting attendees please)			80 RT (9/tbl)	Brewster (4th Floor)
9:15 am - 4:15 pm	<u>Spouses/Companions Tour: "Boston North End Tour and Museum of Fine Arts".</u> Includes lunch. -- Advance registration required. Buses depart the Renaissance at 9:15 am, and return approx 4:15 pm.				
	<del>WG Dry-Type Reactors C57.16</del>	Dry	Document submitted to Standards Board		
8:00 am - 9:15 am	TBD			50 MX	Pacific C
8:00 am - 9:15 am	WG 3-ph Underground Distribution Transformers C57.12.24	UTNP	G. Termini	60 MX	Caspian
8:00 am - 9:15 am	WG Distr. Substation Transf. C57.12.36	Dist	J. Murphy	80 MX S3	Pacific AB
8:00 am - 9:15 am	WG Natural Ester-Based Fluids C57.147	IF	P. McShane	120 MX S3	Pacific FGH
8:00 am - 9:15 am	TF Tertiary/Stabilization Windings	PCS	E. Betancourt	150 MX S3	Pacific E
8:00 am - 9:15 am	WG Failure Analysis & Reporting Guide C57.125	Power	W. Binder	150 MX S3	Pacific D
8:00 am - 10:45 am	IEC TC-14 Technical Advisory Group (all interested individuals welcome)	++	P. Hopkinson	50 MX	Mediterranean
9:15 am - 9:30 am	Break (beverages only)				3rd Floor Foyer

\*\*\* Contact Joe Watson ([joe\\_watson@ieee.org](mailto:joe_watson@ieee.org)) if you are interested in sponsoring a coffee-break at a future meeting.

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<b>Monday, October 31 (continued)</b>					
9:30 am - 10:45 am	WG Sealed Dry-Type Power Transformers C57.12.52	Dry	S. Kennedy	50 MX	Pacific C
9:30 am - 10:45 am	WG Liquid-immersed Secondary Network Transformers C57.12.40	UTNP	B. Klaponski	60 MX	Caspian
9:30 am - 10:45 am	WG Overhead Distr. Transf. C57.12.20	Dist	A. Traut	80 MX S3	Pacific AB
9:30 am - 10:45 am	TF Furan Tests	IL	S. Xu	120 MX S3	Pacific FGH
9:30 am - 10:45 am	WG External Dielectric Clearances	DiTests	E. Davis	150 MX S3	Pacific E
9:30 am - 10:45 am	WG PCS Rev. to Test Code C57.12.90	PCS	M. Perkins	150 MX S3	Pacific D
10:45 am - 11:00 am	<i>Break (beverages only)</i>			3rd Floor Foyer	
	<del>WG Thermal Evaluation C57.100</del>		Work is complete		
11:00 am - 12:15 pm	WG Dry-Type Gen. Require. C57.12.01	Dry	T. Holdway	50 MX	Pacific C
11:00 am - 12:15 pm	WG Standard Requires for Secondary Network Protectors C57.12.44	UTNP	B. Wimmer	60 MX	Caspian
11:00 am - 12:15 pm	WG 1-ph Padmount Distribution Transformers C57.12.38 (12.21 & 12.25)	Dist	A. Ghafourian	80 MX S3	Pacific AB
11:00 am - 12:15 pm	WG Frequency Response Analysis (FRA) Guide PC57.149	PCS	C. Sweetser	120 MX S3	Pacific FGH
11:00 am - 12:15 pm	TF Audible Sound Revision to Test Code	PCS	R. Girgis	150 MX S3	Pacific E
11:00 am - 12:15 pm	WG Tank Rupture & Mitigation PC57.156	Power	P. Zhao	150 MX S3	Pacific D
12:15 pm - 1:30 pm	<u>Lunch Meeting:</u> Standards Development Review		B. Bartley	140 (7/tbl)	Atlantic 123
	-- Presentation/Discussion: "Demise of Reaffirmations and the NEW Standards Process"				
	-- <u>Everyone</u> is welcome to attend. All SC/WG/TF leaders are <u>highly encouraged</u> to attend.				
	-- Advance reservation required (\$20 for box lunch). No paper tickets. Admission verified at the door.				
1:45 pm - 3:00 pm	<b>SC HVDC Converter Transformers and Smoothing Reactors</b>	HVDC	R. Dudley	50 MX	Pacific C
1:45 pm - 3:00 pm	WG Tap Changer Performance C57.131	Power	W. Henning	60 MX	Caspian
1:45 pm - 3:00 pm	WG 3-ph Padmount Distribution Transformers C57.12.34	Dist	R. Stahara	80 MX S3	Pacific AB
1:45 pm - 3:00 pm	WG High Temp. Transformers PC57.154	IL	R. Marek	120 MX S3	Pacific FGH
1:45 pm - 3:00 pm	TF Particle Count Limits in Mineral Oil	IF	M. Scarborough	150 MX S3	Pacific E
1:45 pm - 3:00 pm	TF Dielectric Frequency Response	PCS	G. Frimpong	150 MX S3	Pacific D
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i>			3rd Floor Foyer	
	<del>WG Harmonizing IEEE &amp; IEC Standards</del>	will not meet; work is complete			
3:15 pm - 4:30 pm	WG Dry-Type Test Code C57.12.91	Dry	D. Foster	50 MX	Pacific C
3:15 pm - 4:30 pm	WG Transformers Directly Connected to Generators C57.116	Power	G. Hoffman	60 MX	Caspian
3:15 pm - 4:30 pm	TF Tank Pressure Coordination	Dist	C. Gaytan	80 MX S3	Pacific AB
3:15 pm - 4:30 pm	TF PD in Bushings and PTs/CTs	DiTests	T. Hochanh	120 MX S3	Pacific FGH
3:15 pm - 4:30 pm	TF Moisture in Oil	IF	B. Rasor	150 MX S3	Pacific E
3:15 pm - 4:30 pm	WG PCS Revisions to C57.12.00	PCS	S. Snyder	150 MX S3	Pacific D
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			3rd Floor Foyer ** remove Pacific ED airwall **	
4:45 pm - 6:00 pm	Presentation: "Partial Discharge Measurements", by B. Poulin and others. Sponsored by DiTests SC **			300 MX S3	Pacific ED
8:00 pm - 9:30 pm	<u>Special Event: "Boston Frightseeing Tour"</u> -- Indicate your desire to attend while registering on-line for the Committee Meeting ( <u>will sell-out early!</u> ). -- Trolleys depart the Renaissance at 8:00 pm; and return at approx 9:30 pm. Eat dinner before boarding. -- May not be suitable for children under age 13. Children under age 4 are not allowed.				

\*\* Contact Tom Prevost (tprevost@ieee.org) if you are interested in making a technical presentation at a future meeting.

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<b>Tuesday, November 1 -- Tuesday Breaks Sponsored by Brockhaus Messtechnik ***</b>					
7:00 am - 12:00 pm	Meeting Registration				3rd Floor Foyer
7:00 am - 6:00 pm	Internet Cafe'			10 BR	Bering
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			280 RT (9/tbl)	Atlantic 123
8:00 am - 9:00 am	Breakfast - Spouses/Companions (no meeting attendees please)			80 RT (9/tbl)	Brewster (4th Floor)
9:15 am - 4:15 pm	<u>Spouses/Companions Tour</u> : "JFK Library and Salem Tour". Lunch included. -- Advance registration required. Buses depart the Renaissance at 9:15 am, and return approx 4:15 pm.				
8:00 am - 9:15 am	WG Req. for Instrument Transf. C57.13	IT	R. McTaggart	50 MX	Pacific C
8:00 am - 9:15 am	WG Enclosure Integrity C57.12.28, C57.12.29, C57.12.31, C57.12.32	Dist	R. Olen	60 MX	Caspian
8:00 am - 9:15 am	WG Oil Reclamation Guide PC57.637	IF	J. Thompson	80 MX S3	Pacific AB
8:00 am - 9:15 am	WG PC57.152 Field Test Guide	Stds	J. Verner	120 MX S3	Pacific FGH
8:00 am - 9:15 am	WG Transportation Issues Guide PC57.150	Power	G. Anderson	150 MX S3	Pacific E
8:00 am - 9:15 am	TF Functional Life Tests, De-energized Tap Changers (DETC)	Power	P. Hopkinson	150 MX S3	Pacific D
9:15 am - 9:30 am	<i>Break (beverages only)</i>			3rd Floor Foyer	
9:30 am - 10:45 am	WG Std Require. for Bushings C57.19.01	Bush	A. Del Rio	50 MX	Pacific C
9:30 am - 10:45 am	WG Bar Coding for Distribution Transformers C57.12.35	Dist	L. Matthews	60 MX	Caspian
9:30 am - 10:45 am	WG Impulse Test Guide C57.98 (Power Transformers)	DiTests	A. Molden	80 MX S3	Pacific AB
9:30 am - 10:45 am	WG DGA Natural Ester Fluids PC57.155	IF	P. Boman	120 MX S3	Pacific FGH
9:30 am - 10:45 am	WG Revision to Loading Guide C57.91	IL	D. Duckett	150 MX S3	Pacific E
9:30 am - 10:45 am	TF Wind Power Transformers	PCS	D. Buckmaster	150 MX S3	Pacific D
10:45 am - 11:00 am	<i>Break (beverages only)</i>			3rd Floor Foyer	
11:00 am - 12:15 pm	WG Milli-amp Current Transf. C57.13.7	IT	H. Alton	50 MX	Pacific C
11:00 am - 12:15 pm	WG Bushing Applicat. Guide C57.19.100	Bush	T. Spitzer	60 MX	Caspian
11:00 am - 12:15 pm	TF DPV Grid Transformers	Power	H. Shertukde	80 MX S3	Pacific AB
11:00 am - 12:15 pm	WG Guide for DGA in LTCs C57.139	IF	D. Wallach	120 MX S3	Pacific FGH
11:00 am - 12:15 pm	WG Loss Evaluation Guide C57.120	PCS	A. Traut	150 MX S3	Pacific E
11:00 am - 12:15 pm	WG Temperature Rise Test Procedures in Section 11 of C57.12.90	IL	P. Powell	150 MX S3	Pacific D
12:15 pm - 1:30 pm	<u>Speaker Luncheon</u> : Mr. Frank DePaola, Mass. Dept of Transportation -- Topic: "Innovation at MassDOT; Reshaping Transportation in Massachusetts" -- Advance registration is necessary. -- Paper tickets are not provided. Admission verified at the door.			250 (8/tbl) with elevated table for 5	Atlantic ABC
1:45 pm - 3:00 pm	WG Dry-Type Loading Guide PC57.96	Dry	R. Marek	50 MX	Pacific C
1:45 pm - 3:00 pm	WG GSU Bushing Standardization	Bush	TBD	60 MX	Caspian
1:45 pm - 3:00 pm	WG Test Data Reporting C57.12.37	Dist	J. Crotty	80 MX S3	Pacific AB
1:45 pm - 3:00 pm	WG DGA Factory Temperature Rise Tests PC57.130	IF	J. Thompson	120 MX S3	Pacific FGH
1:45 pm - 3:00 pm	WG Life Extension C57.140	Power	R. James	150 MX S3	Pacific E
1:45 pm - 3:00 pm	WG Revision to Low Frequency Tests	DiTests	B. Poulin	150 MX S3	Pacific D
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i>			3rd Floor Foyer	

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<b>Tuesday, November 1 (continued)</b>			Work		
	TF Semiconductor Rectifier Transformers C57.18.10		Work is complete. Will provide report in PC SC mtg.		
3:15 pm - 4:30 pm	WG Neutral Grounding Devices PC57.32	PCS	S. Schappell	50 MX	Pacific C
3:15 pm - 4:30 pm	WG Terminal Markings C57.12.70	Stds	S. Shull	60 MX	Caspian
3:15 pm - 4:30 pm	TF Transformer Efficiency and Loss Evaluation (DOE Activity)	Dist	P. Hopkinson	80 MX S3	Pacific AB
3:15 pm - 4:30 pm >	WG Transformer Paralleling Guide	Power	T. Jauch	120 MX S3	Pacific FGH
3:15 pm - 4:30 pm	WG Revision to Gas Guide C57.104	IF	R. Ladroga	150 MX S3	Pacific E
3:15 pm - 4:30 pm	WG Revisions to Impulse Test Sections of C57.12.00 and C57.12.90	DiTests	P. Riffon	150 MX S3	Pacific D
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			3rd Floor Foyer ** remove Pacific ED airwall **	
4:45 pm - 6:00 pm	Presentation: "Use of Furans as a Diagnostic Tool to Estimate Insulation Life", by S. Xu, T. Prevost, L. Chiem and D. Platts. Sponsored by Insulation Life SC **			300 MX S3	Pacific ED
Technical Tour of Massachusetts Institute of Technology (MIT): CANCELED					
6:30 pm - 10:00 pm	<u>Technical Tour:</u> Doble Laboratories, in Watertown, MA -- "Technical Demonstrations and New England Lobster Clambake" -- Everyone is invited, but this event will sell-out early. Dinner will be provided. -- Indicate your desire to attend while registering on-line for the Committee Meeting. -- Buses depart the Renaissance at 6:30; and return to hotel by 10:00 pm. Dinner will be served at the facility. -- For more information, refer to the flyer on the website, or contact events@doble.com or +617.926.4900.				
<b>Wednesday, November 2 -- Wednesday Breaks Sponsored by ABB Inc. ***</b>					
No Meeting Registration, No Technical Tours, No Spouse/Companion Tour					
7:00 am - 6:00 pm	Internet Cafe'			10 BR	Bering
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			240 RT (9/tbl)	Atlantic 123
8:00 am - <u>9:30 am</u>	Breakfast - Spouses/Companions (no meeting attendees please)			80 RT (9/tbl)	Brewster (4th Floor)
7:00 am - 7:50 am	<b>SC Meetings Planning</b> (arrive early, food buffet in room)	Meetings	G. Anderson	24 CL	Mediterranean
8:00 am - 9:15 am	EL&P Delegation (Users only meeting)	++	S. Shull	120 MX S3	Pacific FGH
8:00 am - 9:15 am	<b>SC Instrument Transformers</b>	IT	R. McTaggart	80 MX S3	Pacific AB
8:00 am - 9:15 am	<b>SC Insulation Life</b>	IL	B. Forsyth	250 MX S3	Pacific DE
9:15 am - 9:30 am	<i>Break (beverages only)</i>			3rd Floor Foyer	
9:30 am - 10:45 am	<b>SC Bushings</b>	Bush	P. Zhao	120 MX S3	Pacific FGH
9:30 am - 10:45 am	<b>SC Distribution Transformers</b>	Dist	S. Shull	250 MX S3	Pacific DE
10:45 am - 11:00 am	<i>Break (beverages only)</i>			3rd Floor Foyer	
11:00 am - 12:15 pm	<b>SC UG Transf. &amp; Network Protectors</b>	UTNP	C. Niemann	80 MX S3	Pacific AB
11:00 am - 12:15 pm	<b>SC Dielectric Tests</b>	DiTests	L. Wagenaar	250 MX S3	Pacific DE
12:15 pm - 1:30 pm	Lunch (on your own)				

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## KEY

Note: A PC projector will be furnished in each meeting room. Arrive early to ensure that equipment operates/syncs correctly. Overhead projectors are available in the meeting registration area.

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

++ -- not a Transformers Committee activity    TBD = "To Be Determined"

FC = flip chart; S1 = sound (special set-up)

S2 = stand mic in front only; S3 = one stand mic in front & stand mic(s) at mid-room

CL -- classroom seating (w/head table for 2)

TH -- theater seating (w/head table for 2)

RT -- multiple roundtables

US -- U-shape table

MX -- mix classroom & theater (w/head table)

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<b>Wednesday, November 2 (continued)</b>					
1:30 pm - 2:45 pm	<b>SC Dry Type</b>	Dry	C. Johnson	120 MX S3	Pacific FGH
1:30 pm - 2:45 pm	<b>SC Power Transformers</b>	Power	T. Lundquist	250 MX S3	Pacific DE
2:45 pm - 3:00 pm	<i>Break (beverages and treats)</i>				3rd Floor Foyer
3:00 pm - 4:15 pm	<b>SC Insulating Fluids</b>	IF	S. McNelly	120 MX S3	Pacific FGH
3:00 pm - 4:15 pm	<b>SC Performance Characteristics</b>	PCS	S. Antosz	250 MX S3	Pacific DE
4:15 pm - 4:30 pm	<i>Break (beverages only)</i>				3rd Floor Foyer
4:30 pm - 5:30 pm	<b>SC Transformer Standards</b>	Stds	B. Bartley	250 MX S3	Pacific DE
6:30 pm - 10:00 pm	<b>Dinner Social:</b> "The Spirit of Boston". Advance registration is necessary. -- The boat is docked directly across the street from the Renaissance Hotel (2-minute walking distance). -- Boarding and cocktails 6:30 to 7:00 pm. Embark at 7:00 pm. Dinner at 7:00 pm. Return approx 10:00 pm. -- Paper tickets will not be provided. Admission will be verified with a registration list as you board the boat. -- It will be cool temperature in the evening, so dress appropriately!				

## Thursday, November 3

No Meeting Registration, No Spouses/Companions Tours, No Internet Cafe'					
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/companions please)			240 RT (9/tbl)	Atlantic 123
8:00 am - <u>9:30 am</u>	Breakfast - Spouses/Companions (no meeting attendees please)			72 RT (9/tbl)	Brewster (4th Floor)
8:00 am - 9:45 am >	General Session, Transformers Committee -- <u>All attendees</u> are encouraged to attend. -- See separate document for meeting agenda.		E. Smith	200 CL S1 100 TH elevat. table for 4	Pacific Ballroom
9:45 am - 10:00 am	<i>Break (beverages only)</i>			Atlantic Foyer	
> 10:00 am - 11:30 am	General Session, Transformers Committee		E. Smith	200 CL S1 100 TH	Pacific Ballroom
12:00 pm - 4:45 pm	No Technical Tours or Socials planned				

## Friday, November 4

No Transformer Committee Meetings, No Internet Cafe', No Social Events or Tours.					
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## FUTURE COMMITTEE MEETINGS

Spring 2012 - March 11-15; Nashville, Tennessee USA. Hosted by Derek & Diana Baranowski and Baron USA, Inc.

Fall 2012 - date and location to be determined

**Renaissance Boston Waterfront Hotel**  
606 Congress Street; Boston, Massachusetts 02110  
+617.338.4111

**3rd FLOOR**

