Grand Ballroom & Jr. Ballroom Foyers

IEEE/PES TRANSFORMERS COMMITTEE

www.transformerscommittee.org
Fall 2016 Meeting; October 23-27
Hosted by IFD Corporation
Sheraton Vancouver Wall Centre Hotel; Vancouver BC, Canada

See Page 5 for a key to abbreviations.

9:15 am - 9:30 am

ALL MEETINGS ARE IN THE NORTH TOWER OF THE HOTEL.

DATE/TIME	ACTIVITY	SUB- COM	ACTIVITY CHAIR	ROOM CAP/ARR/AV	MEETING ROOM			
Friday, October 21								
8:00 am - 5:00 pm >	WG Step-Voltage Regulators 60076-57-15	Dist	C. Colopy	14 US	Port Alberni (4th FL)			
Saturday, October 22	2							
•	No Committee Meetings, No Technical Tou	rs						
7:15 am to 7:30 pm	Advance on-line registration necessary. I	Early Bird Event #1: Vancouver Island & Victoria Tour, a full-day tour. - Advance on-line registration necessary. Limited attendance. Will sell out quickly! See flyer for details. - Buses depart Sheraton Hotel at 7:15 am. Return at ~7:30 pm.						
6:30 pm to 10:00 pm	Early Bird Event #2: "The Comedy Mix" Cor Advance on-line registration necessary. I Meet in hotel lobby and walk together acr	Limited at	tendance. Will s	sell out early. See fl				
Sunday, October 23								
	No Technical Tours or Social Tours							
1:00 pm - <u>5:30 pm</u>	Meeting Registration				North Tower Main Lobby			
2:00 pm - 5:30 pm	Administrative SC Closed meeting, by invitation only	Admin.	S. Antosz	24 US	Port McNeill (4th FL)			
2:00 pm - 5:30 pm	NEMA Transformers Closed meeting, by invitation only	++	J. Caskey	14 US	Port Alberni (4th FL)			
6:00 pm - 8:00 pm	Welcome Reception			500 Reception	Pavilion Ballroom with Foyer (3rd FL)			
Monday, October 24	Monday Breaks Sponsored by R.L. (Compon	ents **					
7:00 am - 5:00 pm	Meeting Registration	•			North Tower Main Lobby			
<u>7:00 am</u> - 7:50 am	Newcomers Orientation Breakfast Meeting; arrive early! Newcomers & Guests are encouraged to	attend!	S. McNelly	80 CL S2 (with buffet)	Junior Ballroom CD (3rd FL)			
7:00 am - 7:50 am	Distribution SC Leaders Coordination Closed breakfast meeting, by invitation or	nly	S. Shull	14 BD	Port Hardy			
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/compan	ions pleas	se)	300 RT (8/tbl)	Pavilion Ballroom ABCD (3rd FL)			
8:00 am - 9:30 am	Breakfast - Spouses/Companions (no meet	ing attend	ees please)	100 RT (10/tbl)	S. Tower, 34th Floor Event Space			
9:15 am - 3:15 pm	Spouses/Companions Tour: Sea to Sky To with gondola ride and lunch on Mount Hal Bus departs from front of hotel at 9:15 am	brich. Adv	ance registratio	n required. See fly	eshoe Bay, er for details.			
8:00 am - 9:15 am >	Opening Session All attendees are encouraged to attend See separate document for meeting ager Attendance required to maintain Committ		S. Antosz er status.	550 MX S1	Grand Ballroom ABCD			

^{**} Contact Ed Smith (edsmith@ieee.org) if you are interested in sponsoring a coffee break at a future meeting.

Break (beverages only)

DATE/TIME	ACTIVITY	SUB- COM	ACTIVITY CHAIR	ROOM CAP/ARR/AV	MEETING ROOM		
Monday, October 24							
	WG Submersible Transf. C57.12.24	UTNP	Work is near co	completion. Resolving ballots.			
9:30 am - 10:45 am	WG Thermal Evaluation of Insulation Systems, Dry Type C57.12.60	Dry	R. Wicks	60 MX	Port Alberni (4th FL)		
9:30 am - 10:45 am				80 MX	Port McNeill (4th FL)		
9:30 am - 10:45 am	TF External Dielectric Clearances	DiTests	E. Davis	80 MX	Jr. Ballroom AB		
9:30 am - 10:45 am	WG Tertiary/Stabilizing Windings PC57.158	PCS	E. Betancourt	160 MX S3 (80 CL + 80 TH)	Jr. Ballroom CD		
9:30 am - 10:45 am	TF Consolidation of Insulating Fluid Guides	IF	T. Prevost	200 MX S3	Grand Ballroom AB		
9:30 am - 10:45 am	TF Transformer Efficiency and Loss Evaluation (DOE Activity)	Dist	P. Hopkinson	250 MX S3	Grand Ballroom CD (+ Passage)		
10:45 am - 11:00 am	Break (beverages only)			Grand Ballroom	& Jr. Ballroom Foyers		
11:00 am - 12:15 pm	WG Ventilated Dry Type C57.12.51	Dry	S. Som	60 MX	Port Alberni (4th FL)		
11:00 am - 12:15 pm				80 MX	Port McNeill (4th FL)		
11:00 am - 12:15 pm	WG Overhead Distr. Transf. C57.12.20	Dist	A. Traut	80 MX	Jr. Ballroom AB		
11:00 am - 12:15 pm	WG Control Cabinets PC57.148	Power	J. Watson	160 MX S3	Jr. Ballroom CD		
11:00 am - 12:15 pm	WG Moisture in Insulation PC57.162	IL	T. Prevost	200 MX S3	Grand Ballroom AB		
11:00 am - 12:15 pm	TF PCS Rev. to Test Code C57.12.90	PCS	M. Perkins	250 MX S3	Grand Ballroom CD		
12:15 pm - 1:30 pm	<u>Lunch Meeting</u> : Standards Development Re- Everyone welcome to attend. All SC/WG/		J. Graham	240 RT (7/tbl)	Pavilion Ballroom ABCD		
	 Doors open ~12:00 pm. Come early, get a Advance registration necessary. No pape Anyone can join us for this luncheon, and Suggested time to arrive for only the presentation. 	r tickets. sit & lister entation (w	Admission verifient to the presenta vithout lunch) is 1	ed with name badg tion, without eating 2:30 pm.	lunch.		
1:45 pm - 3:00 pm	WG Sec. Network Protectors C57.12.44	UTNP	M. Faulkner	60 MX	Port Alberni (4th FL)		
1:45 pm - 3:00 pm	WG Dry Type Gen. Require. C57.12.01	Dry	C. Ballard	80 MX	Port McNeill (4th FL)		
1:45 pm - 3:00 pm	WG 1-ph Padmount Dist Transf C57.12.38	Dist	A. Ghafourian	80 MX	Jr. Ballroom AB		
1:45 pm - 3:00 pm	WG Thru-Fault Current Duration PC57.109	PCS	V. Mehrotra	160 MX S3	Jr. Ballroom CD		
1:45 pm - 3:00 pm	WG Installation of Power Transf. C57.93	Power	M. Lau	200 MX S3	Grand Ballroom AB		
1:45 pm - 3:00 pm	TF Audible Sound Revision to Test Code	PCS	R. Girgis	250 MX S3	Grand Ballroom CD		
3:00 pm - 3:15 pm	Break (beverages <u>and treats</u>)				& Jr. Ballroom Foyers		
0.45 4:00	WG Milli-amp Current Transf. C57.13.7	H (DC		Balloting documen			
3:15 pm - 4:30 pm	SC HVDC Converter Transformers and Smoothing Reactors	HVDC	M. Sharp	60 MX	Port Alberni		
3:15 pm - 4:30 pm	<u>-</u>			80 MX	Port McNeill		
3:15 pm - 4:30 pm	WG 3-ph Padmount Dist Transf. C57.12.34		R. Stahara	80 MX	Jr. Ballroom AB		
3:15 pm - 4:30 pm	WG Natural Ester-Based Fluids C57.147	IF	P. McShane	160 MX S3	Jr. Ballroom CD		
3:15 pm - 4:30 pm	WG Dielectric Freq. Response PC57.161	DiTest	A. Naderian	200 MX S3	Grand Ballroom AB		
3:15 pm - 4:30 pm	WG Transformer Capability with Non-sinusoidal Loads PC57.110	PCS	R. Marek	250 MX S3	Grand Ballroom CD		
4:30 pm - 4:45 pm	Break (beverages only)				& Jr. Ballroom Foyers		
4:45 pm - 6:00 pm				60 MX	Port Alberni (4th FL)		
4:45 pm - 6:00 pm	WG PD in Bushings & PT/CTs PC57.160	DiTests	T. Hochanh	80 MX	Port McNeill (4th FL)		
4:45 pm - 6:00 pm	WG Step-Voltage Regulators C57.15 / 60076-21	Dist	C. Colopy	80 MX	Jr. Ballroom AB		
4:45 pm - 6:00 pm				160 MX S3	Jr. Ballroom CD		
4:45 pm - 6:00 pm	WG Life Extension C57.140	Power	P. Boman	200 MX S3	Grand Ballroom AB		
4:45 pm - 6:00 pm	TF PCS Revisions to C57.12.00	PCS	T. Ansari	250 MX S3	Grand Ballroom CD		

<u>Technical Tour</u>: IFD Corporation Tour, Vancouver Facility, <u>with BBQ dinner</u> (www.ifdcorporation.com)

6:30 pm - 10:00 pm

⁻⁻ Everyone welcome to attend, but <u>register in advance</u> during on-line meeting registration.
-- Buses depart from front of hotel at 6:30 pm, and return by 10:00 pm. See flyer for more info.

DATE/TIME	ACTIVITY	SUB- COM	ACTIVITY CHAIR	ROOM CAP/ARR/AV	MEETING ROOM	
Tuesday, October 25	Tuesday Breaks Sponsored by WEC	3 Electric	Corp. **			
7:00 am - <u>12:00 pm</u>	Meeting Registration				Main Lobby	
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/compan	Pavilion Ballroom ABCD				
8:00 am - 9:30 am	Breakfast - Spouses/Companions (no meet	ing attend	ees please)	100 RT (10/tbl)	S. Tower, 34th Floor Event Space	
<u>7:00 am</u> - 7:50 am	EL&P Delegation (end-users only please) Breakfast Meeting; arrive early		J. Murphy	30 CL (with buffet)	Parkville	
9:15 am - 3:45 pm	 Spouses/Companions Tour: Vancouver Cit and Queen Elizabeth Park. Advance regi Bus departs from front of hotel at 9:15 am 	istration re	quired. See flye	r for details.		
	TF Composite Bushings	Bush	Work complete	, report submitted i	n April 2016.	
8:00 am - 9:15 am	WG Enclosure Integrity C57.12.28, C57.12.29, C57.12.31, C57.12.32	Dist	D. Mulkey	60 MX	Port Alberni (4th FL)	
8:00 am - 9:15 am	WG Station Service Volt. Transf. C57.13.8	IT	D. Wallace	80 MX	Port McNeill (4th FL)	
8:00 am - 9:15 am				80 MX	Jr. Ballroom AB	
8:00 am - 9:15 am	TF Limits for Winding Insulation PF/Resistance	DiTests	S. Tarlapally	160 MX S3	Jr. Ballroom CD	
8:00 am - 9:15 am	WG Dry Type PD Detection C57.124	Dry	T. Prevost	200 MX S3	Grand Ballroom AB	
8:00 am - 9:15 am	WG Revision to C57.12.10	Power	G. Hoffman	250 MX S3	Grand Ballroom CD	
9:15 am - 9:30 am	Break (beverages only)			Grand Ballroom 8	Jr. Ballroom Foyers	
9:30 am - 10:45 am				60 MX	Port Alberni (4th FL)	
9:30 am - 10:45 am	WG Tests for Instrument Transf. C57.13.5	IT	P. Riffon	80 MX	Port McNeill (4th FL)	
9:30 am - 10:45 am	WG 1-Ph Submersible Transf. C57.12.23	UTNP	A. Traut	80 MX	Jr. Ballroom AB	
9:30 am - 10:45 am	WG GSU Bushings PC57.19.04	Bush	S. Digby	160 MX S3	Jr. Ballroom CD	
9:30 am - 10:45 am	WG Shunt Reactors C57.21	PCS	S. Som	200 MX S3	Grand Ballroom AB	
9:30 am - 10:45 am	WG Wind Turbine Transf. P60076-16	PCS	D. Buckmaster	250 MX S3	Grand Ballroom CD	
10:45 am - 11:00 am	Break (beverages only)			Grand Ballroom 8	Jr. Ballroom Foyers	
11:00 am - 12:15 pm	WG PD Acoustic Detection C57.127	DiTests	D. Gross	60 MX	Port Alberni (4th FL)	
11:00 am - 12:15 pm	TF PLC Caps & CCVTs (currently C93.1)	IT	Z. Roman	80 MX	Port McNeill (4th FL)	
11:00 am - 12:15 pm	WG Liquid-immersed Secondary Network Transformers C57.12.40	UTNP	B. Klaponski	80 MX	Jr. Ballroom AB	
11:00 am - 12:15 pm	WG Distrib. Transf. Bushings PC57.19.02	Bush	S. Shull	160 MX S3	Jr. Ballroom CD	
11:00 am - 12:15 pm	WG Semiconductor Power Rectifier Transformers C57.18.10	PCS	S. Kennedy	200 MX S3	Grand Ballroom AB	
11:00 am - 12:15 pm	WG Loss Evaluation Guide C57.120	PCS	R. Verdolin	250 MX S3	Grand Ballroom CD	
12:15 pm - 1:30 pm	Awards Luncheon		D. Platts	240 RT (7/tbl)		
	Doors open ~12:00 pm. Come early, get a good seat, and start eating Advance registration necessary. No paper tickets. Admission verified with name badge at the door. All meeting attendees are encouraged to attend this luncheon. It's a great way to show your appreciation and help us recognize our accomplishments.					
1:45 pm - 3:00 pm	WG 3-ph Transf. Connections PC57.105	PCS	A. Bromley	60 MX	Port Alberni (4th FL)	
1:45 pm - 3:00 pm	WG Distr. Substation Transf. C57.12.36	Dist	J. Murphy	80 MX	Port McNeill (4th FL)	
1:45 pm - 3:00 pm				80 MX	Jr. Ballroom AB	
1:45 pm - 3:00 pm	TF LTC Std Require C57.131 / 60214-1	Power	C. Colopy	160 MX S3	Jr. Ballroom CD	
1:45 pm - 3:00 pm	TF Revision to Low Frequency Tests	DiTests	B. Griesacker	200 MX S3	Grand Ballroom AB	
1:45 pm - 3:00 pm	WG DPV Grid Transformers PC57.159	PCS	H. Shertukde	250 MX S3	Grand Ballroom CD	
3:00 pm - 3:15 pm	Break (beverages and Pretzels!)			Grand Ballroom 8	& Jr. Ballroom Foyers	

^{**} Contact Ed Smith (edsmith@ieee.org) if you are interested in sponsoring a coffee break at a future meeting.

DATE/TIME	ACTIVITY	SUB-	ACTIVITY	ROOM	MEETING
DATE/TIME	ACTIVITY	COM	<u>CHAIR</u>	CAP/ARR/AV	ROOM
Tuesday, October 25	(continued)				
3:15 pm - 4:30 pm	WG Std Terminal Markings C57.12.70	Stds	S. Shull	60 MX	Port Alberni (4th FL)
3:15 pm - 4:30 pm	WG Dry Type Reactors PC57.16	Dry	A. Del Rio	80 MX	Port McNeill (4th FL)
3:15 pm - 4:30 pm	WG Std Require for Bushings C57.19.01	Bush	S. Zhang	80 MX	Jr. Ballroom AB
3:15 pm - 4:30 pm	WG LTC Application Guide 60214-2	Power	C. Colopy	160 MX S3	Jr. Ballroom CD
3:15 pm - 4:30 pm	WG High-Temp Insulat. Materials, P-1276	IL	R. Wicks	200 MX S3	Grand Ballroom AB
3:15 pm - 4:30 pm	TF Switching Transients Induced by Transf/Breaker Interaction PC57.142	PCS	J. McBride	250 MX S3	Grand Ballroom CD
4:30 pm - 4:45 pm	Break (beverages only)			Grand Ballroom	& Jr. Ballroom Foyers
4:45 pm - 6:00 pm	TF Cross Reference of IEEE to IEC	Stds	V. Mehrotra	60 MX	Port Alberni (4th FL)
4:45 pm - 6:00 pm	WG Dry Type Test Code C57.12.91	Dry	D. Foster	80 MX	Port McNeill (4th FL)
4:45 pm - 6:00 pm	WG Tank Pressure Coordinat. C57.12.39	Dist	C. Gaytan	80 MX	Jr. Ballroom AB
4:45 pm - 6:00 pm	WG Short Circuit Withstand PC57.164	PCS	S. Patel	160 MX S3	Jr. Ballroom CD
4:45 pm - 6:00 pm	WG Gas Guide C57.104	IF	C. Beauchemin	200 MX S3	Grand Ballroom AB
4:45 pm - 6:00 pm	TF Revisions to Impulse Test Sections of C57.12.00 and C57.12.90	DiTests	P. Riffon	250 MX S3	Grand Ballroom CD
7:00 pm - 10:00 pm	Technical Tour: TRIUMF National Laborato Everyone welcome, but register in advan Dinner on your own (eat beforehand). Bu	<u>ce</u> during (on-line meeting re	egistration. See fl	yer for more info.

Wednesday, October 26 -- Wednesday Breaks Sponsored by Cogent Power **

	No Meeting Registration, No Technical T	ours, No Spo	ouse/Companion ⁻	Tours	
7:00 am - 8:00 am	Breakfast - Attendees (no spouses/comp	300 RT (8/tbl)	Pavilion Ballroom		
8:00 am - 9:30 am	Breakfast - Spouses/Companions (no me	kfast - Spouses/Companions (no meeting attendees please)		100 RT (10/tbl)	S. Tower, 34th Floor Event Space
7:00 am - 7:50 am	SC Meetings Planning	Mtgs	G. Anderson	30 CL (with buffet)	Parkville
<u>7:00 am</u> - 8:30 am	IEC TC-14 Technical Advisory Group Breakfast Meeting; arrive early All interested individuals welcome	++	P. Hopkinson	80 CL S2 (with buffet)	Jr. Ballroom CD
8:00 am - 9:15 am	SC Instrument Transformers	IT	R. McTaggart	300 RT (8/tbl) 100 RT (10/tbl) 30 CL (with buffet) 80 CL S2 (with buffet) 80 MX 350 MX S3 160 MX S3 80 MX 350 MX S3 80 MX 350 MX S3 160 MX S3	Jr. Ballroom AB
8:00 am - 9:15 am	SC Insulation Life	IL	S. Kennedy	350 MX S3	Grand Ballroom
9:15 am - 9:30 am	Break (beverages only)				
9:30 am - 10:45 am	SC Bushings	Bush	P. Zhao	160 MX S3	Jr. Ballroom CD
9:30 am - 10:45 am	SC Distribution Transformers	Dist	S. Shull	350 MX S3	Grand Ballroom
10:45 am - 11:00 am	Break (beverages only)				
11:00 am - 12:15 pm	SC UG Transf. & Network Protectors	UTNP	D. Mulkey	80 MX	Jr. Ballroom AB
11:00 am - 12:15 pm	SC Dielectric Tests	DiTests	A. Varghese	350 MX S3	Grand Ballroom
12:15 pm - 1:30 pm	Lunch (on your own)				
1:30 pm - 2:45 pm	SC Dry Type Transformers	Dry	C. Johnson	80 MX	Jr. Ballroom AB
1:30 pm - 2:45 pm	SC Power Transformers	Power	J. Watson	350 MX S3	Grand Ballroom
2:45 pm - 3:00 pm	Break (beverages and treats)				
3:00 pm - 4:15 pm	SC Insulating Fluids	IF	D. Wallach	160 MX S3	Jr. Ballroom CD
3:00 pm - 4:15 pm	SC Performance Characteristics	PCS	E. teNyenhuis	350 MX S3	Grand Ballroom
4:15 pm - 4:30 pm	Break (beverages only)				
4:30 pm - 5:45 pm	SC Standards	Stds	J. Murphy	160 MX S3	Jr. Ballroom CD
5:45 pm - 10:00 pm	Evening Social: Dinner Cruise aboard the 10-min bus ride to boat. Buses begin Boarding and appetizers 6:30 to 7:00 propertickets will not be provided. Addrived: Temperatures will be cool, so dress appears to the social section of the so	oading at <u>fro</u> om. Embark nission verifie	nt of hotel at 5:45 at 7:00 pm. Retu	pm. <u>Last bus der</u> rn to hotel ~10:00	parts at 6:30 pm. pm.

^{**} Contact Ed Smith (edsmith@ieee.org) if you are interested in sponsoring a coffee break at a future meeting.

KEY

Note: A PC projector will be furnished in each meeting room. Arrive early to ensure equipment operates/syncs correctly.

> -- 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

BD = boardroom; US = U-shape RT = multiple roundtables

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

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

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

SUBCOMMITTEES						
Bush	Bushings	HVDC	HVDC Converter Transformers	Mtgs	Meetings	
DiTests	Dielectric Tests		and Smoothing Reactors		Power Transformers	
Dist	Distribution Transformers	IF	Insulation Fluids	UTNP		
Dry	Dry Type Transformers	IL	Insulation Life		and Network Protectors	
		IT	Instrument Transformers	Stds	Standards	

Thursday, October 27

	No Meeting Registration, No Spouses/Companio	ons Tours			
7:00 am - <u>9:30 am</u>	Breakfast - Attendees (no spouses/companions	250 RT (8/tbl)	Pavilion Ballroom		
	Breakfast - Spouses/Companions (no meeting a	80 RT (8/tbl)	S. Tower, 34th Floor Event Space		
8:00 am - 9:15 am	and C57.12.90 in the 2015 Revisions"	cal Presentation #1: "Changes & Additions to C57.12.00 57.12.90 in the 2015 Revisions" Antosz and S. Snyder. See flyer on website. **			
9:15 am - 9:30 am	Break (beverages only)	Grand Ballroom Foyer			
9:30 am - 10:45 am	Technical Presentation #2: "Tacit Knowledge Ca Brain-Drain at Electric Utilities; an IEEE Persp by N. Perjanik and A. VanderWalt. See flyer of	350 MX S1	Grand Ballroom ABCD		
10:45 am - 11:00 am	Break (beverages only)	Grand Ballroom Foyer			
> 11:00 am - 12:00 pm	Closing Session All attendees are encouraged to attend See separate document for meeting agenda	S. Antosz	350 MX S1	Grand Ballroom ABCD	
	Lunch on your own				
1:00 pm - 5:00 pm >	WG Tap Changer Application Guide Pow 60214-2 (continued Friday)	er A. Kraemer	14 US	Port Alberni (4th FL)	
12:30 pm - 5:00 pm	Technical Tour: Powertech Test and Research 8 Everyone welcome, but register in advance du Box lunch provided on the bus. Bus departs fi	ring on-line meeting	registration. See fly	yer for more info.	

Friday October 28

Triday, October 20					
	No Technical Tours				
> 8:00 am - 5:00 pm	WG Tap Changer Application Guide 60214-2 (continued from Thursday)	Power	A. Kraemer	14 US	Port Alberni (4th FL)

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

FUTURE COMMITTEE MEETINGS

Spring 2017: April 2-6; New Orleans, Louisiana USA

Fall 2017: October 15-19 or 23-26, or October 29-November 2; USA Location (to be determined)

Spring 2018: March 25-29; Pittsburgh, Pennsylvania USA -- Our 100th Year Anniversary Celebration!

Fall 2018: October 14-18 or 21-25, or November 4-8; USA Location (to be determined)

Spring 2019: March 10-14 or 17-21 or 24-28; USA Location (to be determined)



