



## Fall 2024 Meeting – Bonita Springs, Florida (USA) AGENDA (Final – October 16)

### Welcome to Bonita Springs – SCHEDULE OF EVENTS

#### General Meeting Notes

Breakout Working Group (WG) and Discussion Group (DG) meetings are held concurrent with Subcommittee Sessions, in different rooms as noted. Groups ending with a "W" (e.g., D03W) are working groups with a PAR and are working to complete or revise a standard or guide. Groups ending with a "D" (e.g., B17D) are discussion groups, discussing various things related to their title. Attendees are welcome to attend all general session, subcommittee, discussion group, and working group meetings.

#### Spouse/Companion Activities/Breakfast

Registered guests will be provided a breakfast for each morning in The Cove at Tarpon Bay.

#### Attendee Breakfast:

A breakfast is provided each meeting day (Monday through Wednesday morning) for attendees between 7:00AM and 8:00AM. All attendees must register for the ICC meeting.

**Administrative** activities are on the last page of the schedule. See the Bulletin Boards in the Registration area for specifics on events or for last minute changes, or check the [guidebook](#) smart phone application (scan QR code for link):

Please note that only those meetings listed on this schedule are sponsored or co-sponsored by ICC.



ICC mobile phone agenda powered by [guidebook](#)

SUNDAY, OCTOBER-20-2024 (20.10.2024)			
TIME	ACTIVITY	CHAIRS	ROOM
12:30 – 4:00PM	<b>Registration (On-Site Registration &amp; Registration Package Pickup)</b>	<b>B. Taylor / Arnold</b>	Conference Foyer
4:00 – 4:30PM	<b>Insulated Conductors Committee ORIENTATION</b> <b>Are you new? Come and learn about the ICC, meet some new people, and maybe get some ICC SWAG.</b>	Wen	Great Egret
4:00 – 5:00PM	<b>Social for ICC Women Engineers</b> <b>Network with other women engaged in the engineering profession.</b> <b>Introverts and extroverts – all are welcome!</b>	Chmielewski / Thompson	Banyan Courtyard
12:30 – 5:00PM	<b>Table Top Displays</b>		<b>Estero Ballroom</b>
5:00 – 7:00PM	<b>RECEPTION – All Attendees</b>		Cypress Courtyard

#### Key – Schedule Color Coding

Color	Event Type	Color	Event Type	Color	Event Type	Color	Event Type
Yellow	Administrative Meetings (Officers, Chairs, Vice-Chairs)	Green	Registration	Light Green	Working /Discussion Group Meetings - Break Outs	Light Blue	Meals / Snacks
Cyan	Author / Presenter Presentation Preload Times	Light Green	Exhibits / Table Top Displays by Vendors	Yellow	Training Sessions	Orange	Lunch Event (Registration Required)



# INSULATED CONDUCTORS COMMITTEE

Established 1947

Fall 2024 Meeting – Bonita Springs, Florida (USA) AGENDA (Final – October 16)

## ICC MEETING SCHEDULE

### MONDAY, OCTOBER-21-2024 (21.10.2024) - AM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
7:00 AM – 8:00 AM		Attendee Breakfast	Spear/ Mueller	Estero Ballroom	<b>Registered ICC Meeting Attendees (Only)</b>
8:00 - 9:30 AM		Spouse/Companion Breakfast	Spear	The Cove at Tarpon Bay	<b>Registered Spouse/Companion only</b> <b>** Breakfast served in Hospitality Suite</b> <b>**</b>
7:00AM-8:00AM		<b>All Chairs Breakfast Meeting</b> - (Subcom., WG, DG, Ed., Transnational, Communications, and Standards Chairs & Vice-Chairs)	Spear / Mueller	Great Egret	<b>ICC Meeting, Subcommittee, WG/DG Operational Announcements</b>
7:00AM–8:00AM		<b>Presentation Pre-load and Test</b> All Presenters MUST Pre-load		Calusa D-H	<b>Subcommittee presentation loading on ICC Computer</b>
7:00AM-12:00PM		<b>Registration</b>	B. Taylor / Arnold	Conference Foyer	<b>On-Site Registration &amp; Package Pickup</b>
7:30AM-5:30PM		<b>Table Top Displays</b>		Estero Ballroom	<b>Product/Services Exhibitions</b>
8:00 -9:00 AM		<b>OPENING SESSION (All Attendees)</b>	Spear / Mueller	Calusa D-H	<b>Announcements and Awards</b>
9:15 AM-12:15 PM	<b>D</b>	<b>GENERATING STATION AND INDUSTRIAL CABLES</b>	<b>Laudicina / Fallesen</b>	Calusa D-H	
<b>BREAKOUT WG/DG MEETINGS</b> <sup>(see notes on Page 1)</sup>					
9:15 AM - 10:15 AM	<b>A10D</b>	Conductors	Liu / {Vacant}	Blue Heron	Discussion on cable and conductor improvements
	<b>B23D</b>	Transmission Cable Joints & Terminations (Replaces IEEE 48 & 404)	Jovanovic / Castro	Great Egret	Meeting on Transition of IEEE 48 and 404 documents for Terminations and Joints
	<b>C22D</b>	Superconducting Cables	Frentzas / Ross	Sanibel	Discussion on superconducting technology and presentations on HTS systems
	<b>C33D</b>	Renewable Energies	Lawton / Moulton	Pine	IEEE 1547 Standards, and Interconnect Issues
	<b>F14D</b>	Real Time Monitoring of Cable Systems	Tirinzoni / Perkel	Calusa A	Discussion of cable system monitoring
				Captiva	
10:15–10:30AM	<b>Break</b>	Refreshments / Snacks	Spear	Estero Ballroom	<b>Registered ICC Meeting Attendees (Only)</b>
10:30 AM - 12:15 PM	<b>A06D</b>	Accelerated Electrical Aging	Caronia / Narayanan	Blue Heron	Open discussion group
	<b>B10W</b>	Guide to Select Terminations for Shielded Power Cables Rated 5-46 kV (P1637)	Gupta / B. Taylor	Sanibel	Refresh discussion on current guide
	<b>B26W</b>	IEEE Guide for Investigating and Analyzing Joint Failures on Systems Rated 2.5 – 46kV (P1511.2)	Bader / Ayres	Great Egret	Review status and expiration of existing IEEE 1511 series guides and continue work on P1511.2 guide
	<b>C31D</b>	HPFF/HPGF Pipe Type Cable Systems	Fraijo / Smith	Calusa A	Presentations on Pipe Type Cable Systems
	<b>C34W</b>	Mitigating Manhole Explosions - P2417	Hanebuth / Spencer	Pine	Discussion of manhole events and mitigation
	<b>F05W</b>	Damped AC Field Testing	Guo / Hernandez	Captiva	Continue discussion on the revision of the draft guide



### ICC MEETING SCHEDULE

#### MONDAY, OCTOBER-21-2024 (21.10.2024) - PM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
12:30 PM - 2:00 PM	E	<b>NETWORKING LUNCHEON</b> <i>(Must Register for This)</i>	Levine / Hampton	Calusa B-C	<b>Networking and Technical Presentations</b>
2:00 PM – 5:30 PM	A	<b>CABLE CONSTRUCTION &amp; DESIGN</b>	Richardson / Reepe	<b>Calusa F-H</b>	
<b>BREAKOUT WG/DG MEETINGS</b> <sup>(see notes on Page 1)</sup>					
2:00 PM - 3:15 PM	<b>B05W</b>	Connection of Cables to GIS (1300)	Frentzas / Thompson	Blue Heron	Continue with revision of the guide
	<b>B16W</b>	Separable Insulated Connectors (386)	Hughes / Allen	Sanibel	Review title, scope, and other groundwork for PAR
	<b>C13D</b>	Installation of Cables Using Trenchless Techniques	Goyette / Williams	Calusa D-E	Presentation and work on white paper
	<b>D03W</b>	Guide for Selecting and Specifying Cables for Petrochemical Plants (IEEE P1242 – Joint w/IAS/PCIC)	Laudicina / Marciano	Pine	Continue Guide revision
	<b>F01W</b>	Field Testing and Evaluation of Shielded Cables (IEEE 400)	Hampton / Villareal	Captiva	Review updated and approved PAR and work on current draft
	<b>G10D</b>	International Organizations	Zenger / Orton	Calusa A	Update on Cigre SCs & B1 Cables. US activities plus WGs. Update on IEC. JTF Cigre/ICC
3:15–3:30PM	<b>Break</b>	Refreshments / Snacks	Spear	Estero Ballroom	<b>Registered ICC Meeting Attendees (Only)</b>
3:30 PM - 5:30 PM	<b>B22D</b>	Distribution Cable Joints & Terminations (Replaces IEEE 48 & 404)	Madden / B. Taylor	Blue Heron	Family of products discussion and ongoing harmonization work
	<b>C37D</b>	Submarine Cable	Orton / Alvarez	Sanibel	Discussion on submarine & offshore cables
	<b>D13W</b>	Ampacity derating of Fire Protected Cable (P848)	Konnik / Graham	Calusa D-E	Continue Standard revision
	<b>F10D</b>	Diagnostic Testing for Cable Joints & Terminations	Sub F Chairs: Tirinzoni / Perkel	Pine	Discuss interest in restarting discussion group
				Captiva	
			Calusa A		



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## ICC MEETING SCHEDULE

### TUESDAY, OCTOBER-22-2024 (22.10.2024) - AM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
7:00-8:00am		Attendee Breakfast	Spear / Mueller	Estero Ballroom	<b>All Registered ICC attendees</b>
7:00-8:00am		<b>Training Breakfast (Open to All)</b>	Gonzalez	Calusa B-C	IEEE Standards Process Overview
8:00 - 9:30 AM		Spouse/Companion Breakfast	Spear	The Cove at Tarpon Bay	<b>Registered Spouse/Companion only</b> <b>** Breakfast served in Hospitality Suite **</b>
7:00 AM – 8:00 AM		<b>Presentation Pre-load and Test</b> All Presenters MUST Pre-load		Calusa F-H	Subcommittee presentation loading on ICC Computer
7:00 AM - 11:00 AM		<b>Registration</b>	<b>B. Taylor / Arnold</b>	Conference Foyer	On-Site Registration
7:30 AM - 5:30 PM		<b>Table Top Displays</b>		Estero Ballroom	Product/Services Exhibitions
8:00 AM - 12:00 PM	<b>F</b>	<b>FIELD TESTING AND DIAGNOSTICS</b>	<b>Tirinzoni / Perkel</b>	<b>Calusa F-H</b>	
<b>BREAKOUT WG/DG MEETINGS</b> <sup>(see notes on Page 1)</sup>					
8:00 AM - 10:00 AM	<b>A08W</b>	Tests for Compatibility of Cable Pulling Lubricants with Wire & Cable (1210)	Wright / Zhou	Blue Heron	Address RevCom comments on P1210 and provide updated document status
	<b>A14D</b>	Power Cable Standards	Eanes / West	Sanibel	Update on Standards Development from AEIC, ICEA, IEC and UL
	<b>B18W</b>	Application Guide for Separable Connectors (IEEE 1215)	Szysko / Smalley	Pine	Review of the document and discuss what to add
	<b>C11W</b>	Submarine Cables (1120) – Meeting 1	Orton / Dodeman	Calusa D-E	Revision of IEEE Standard 1120 on Submarine Cables
	<b>C20W</b>	Soil Thermal Stability (1254)	Moutassem / Bates	Captiva	Discuss and develop / revise guide
	<b>D18W</b>	Guide for Selection of Fire Rated Circuit Integrity Cables (P1810)	Shoshani / Bayer	Calusa A	Continue Guide revision
<b>10– 10:15AM</b>	<b>Break</b>	<b>Refreshments / Snacks</b>	<b>Spear</b>	Estero Ballroom	<b>Registered ICC Meeting Attendees (Only)</b>
10:15 AM - 12:00 PM	<b>A16D</b>	Characteristics of EPR Cables	Cao / Graham	Blue Heron	Presentations and Discussions
	<b>A20D</b>	Low Voltage Cable Systems Rated up to 600V	Brigandi / LeBlanc	Pine	Presentations and future low voltage guide
	<b>B12W</b>	Guide for Investigating & Analyzing Power Cable, Joint, and Termination Failures on Systems Rated 2.5 – 46 kV (P1511)	Bader / Ayres	Sanibel	Review status and expiration of existing IEEE 1511 series guides and continue work on P1511 guide
	<b>C11W</b>	Submarine Cables (1120) – Meeting 2	Orton / Dodeman	Calusa D-E	Revision of IEEE Standard 1120 on Submarine Cables
	<b>C23W</b>	Overhead / Underground Transition Structures (P1793)	Rochel / Zhang	Captiva	Review current document
	<b>D14W</b>	Guide for the Design of Cable Systems (P422) [Joint with PGC]	Fallesen / Schroeder	Calusa A	Continue Guide revision



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### TUESDAY, OCTOBER-22-2024 (22.10.2024) - PM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
12:15 PM - 2:00 PM	G	TRANSNATIONAL LUNCHEON (Must Register for This)	Gulski / Leufkens	Calusa B-C	International Meetings Announcements and Technical Presentations
2- 5:30PM	C	CABLE SYSTEMS	Frentzas / Rong	Calusa F-H	
<b>BREAKOUT WG/DG MEETINGS</b> *(see notes on Page 1)					
2:00 PM - 3:15 PM	A19D	Covered Conductors	Villareal / Nuckles	Blue Heron	Spacer cable presentations and general discussion on CC
	A21D	Sustainability of Power Cable Materials	Wen / Gladding	Calusa D-E	New group to study interest in sustainability of power cable materials
	B21D	Application Guide for Cable Joints	Campbell / McGovern	Sanibel	Discussion of pertinent qualities when selecting which joint type to use for MV applications
	B24W	Faulted Circuit Indicators – IEEE 495	Zhou / Marshall	Pine	Review what was sent to ballot and comments
	D24D	Guide for Fast Charging Cables used in EV Applications	Laudicina / Baferani	Captiva	Develop PAR for the Guide
				Calusa A	
3:15– 3:30PM	Break	Refreshments / Snacks	Spear	Estero Ballroom	<b>Registered ICC Meeting Attendees (Only)</b>
3:30 PM - 5:30 PM	B13D	Analysis and Solution to Problems with Insulated Cable Accessories	Morris / Levine	Blue Heron	Presentations and discussion on issues related to insulated cable accessories
	B27D	Transmission Class Separable Connectors	Madden / Jovanovic	Calusa D-E	New Discussion Group Meeting
	D06W	Fiber Optic Cables (IEEE 1428) (P1428)	Cunningham / Bagwell	Sanibel	Continue Standard revision
	D20W	Guide for Specifying and Selecting Cables for Nuclear Facilities (P2776)	Rasmussen / Fallesen	Pine	Continue Guide development
	F11W	Constant Voltage AC Field Testing of Cable Systems (P1614)	Fenger / Denmon	Captiva	Discussion of content of first draft
				Calusa A	



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## ICC MEETING SCHEDULE

### WEDNESDAY, OCTOBER-23-2024 (23.10.2024) - AM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
7:00 AM – 8:00 AM		Attendee Breakfast	Spear / Mueller	Estero Ballroom	<b>All Registered ICC attendees</b>
7:00-8:00am		<b>Training Breakfast (Open to All)</b>	<b>Gonzalez</b>	<b>Calusa B-C</b>	<b>IEEE Standards Association Training</b>
8:00 - 9:30 AM		Spouse/Companion Breakfast	Spear	The Cove at Tarpon Bay	<b>Registered Spouse/Companion only</b> <b>** Breakfast served in Hospitality Suite **</b>
7:00 AM – 8:00 AM		<b>Presentation Pre-load and Test</b> All Presenters MUST Pre-load		Calusa F-H	Subcommittee Presentation Loading on ICC Computer
7:30 AM - 1:00 PM		<b>Table Top Displays</b>		Estero Ballroom	<b>Product/Services Exhibitions</b>
8:00 AM – 12:00 PM	<b>B</b>	<b>CABLE ACCESSORIES</b>	<b>Jovanovic / Allen</b>	<b>Calusa F-H</b>	
<b>BREAKOUT WG/DG MEETINGS</b> <sup>(see notes on Page 1)</sup>					
8:00 AM - 10:00 AM	<b>A-AdHoc</b>	Cable Simulation	Richardson / Reepe	Blue Heron	Collaboration on exploring simulation techniques and applications in cable system design and performance, and sharing best practices. Discuss applications of simulation in cable systems
	<b>C39D</b>	Seismic Performance Assessment of Transmission Cables	Cherukupalli / Orton	Sanibel	Presentations and open discussion
	<b>C40D</b>	Re-utilizing Steel Pipes to Replace Pipe-type Cables with Extruded Cables	Thompson / {Vacant}	Calusa D-E	Presentations plus continued discussion on converting pipe cables to XLPE
	<b>D19W</b>	Standard for Testing Fire Resistive Cables For Use in Nuclear Facilities (P1844)	G. Taylor / Rasmussen	Pine	Continue Standard revision
	<b>F04W</b>	Partial Discharge Testing in the Field (400.3)	Levine / Perkel	Captiva	Presentations on PD testing
				Calusa A	
10 – 10:15 AM	<b>Break</b>	Refreshments / Snacks	Spear	Estero Ballroom	<b>Registered ICC Meeting Attendees (Only)</b>
10:15 AM - 12:00 PM	<b>A15W</b>	Guide for Selection and Design of Aluminum Sheaths for Power Cables	Wald / {Vacant}	Blue Heron	TBD
	<b>A18W</b>	Guide for Investigating & Analyzing Shielded Power Cable Failures on Systems Rated 5kV - 46kV (P1511.1)	Bader / Ayres	Sanibel	Review status and expiration of existing IEEE 1511 series guides and continue work on P1511.1 guide.
	<b>C38D</b>	HVDC Cable Systems	Hobson / Pothireddi	Calusa D-E	Discussion on the existing state of the art of HVDC cable systems in US
	<b>D23W</b>	Cable Guide for Transit Infrastructure	Shoshani / Bayer	Pine	Review Leaky Coax and prepare Guide for ballot
	<b>F03W</b>	Guide for Field Testing of Shielded Power Cable Systems Using Very Low Frequency (VLF) (P400.2)	Hampton / Morris	Captiva	General discussion
				Calusa A	



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## ICC MEETING SCHEDULE

WEDNESDAY, OCTOBER-23-2024 (23.10.2024) - PM SESSIONS					
TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
12:00-1:00 PM		<b>ICC ON-SITE LUNCHEON (No Presentations)</b> <i>(Must Pay / Register for This)</i>		Calusa B-C	<b>No Presentations</b>
1:00–5:00PM		<b>Education Program: T&amp;D Underground Cable Systems – Design, Installation and Commissioning – Part 1</b>	Makovoz / Zhou	Calusa F-H	T&D UG cable systems design, installation, and commissioning. Anticipated topics: ampacity calculations for multiple circuits in urban environment, induced voltages, GIS and outdoor termination installations, grounding scheme, and new installation techniques
3:00–3:15PM	<b>Break</b>	Education Program: Refreshments / Snacks	Spear	Calusa F-H	

\*0.4 CEUs granted for this session. You must register and attend in order to receive CEUs.

◆◆◆◆◆◆◆◆◆◆ **Administrative Activities** ◆◆◆◆◆◆◆◆◆◆

ICC Office				ExCom	
SATURDAY, OCTOBER-19-2024 (19.10.2024)					
TIME	ACTIVITY			CHAIRS	ROOM
12:00– 2:00PM	Pre-Con Meeting with Hotel (Spear, Mueller, Clark, Wen, B.Taylor, Arnold, Hotel Staff)			Spear / Mueller	Pine
2:00-4:00PM	Executive Committee Meeting - Executive Session (Spear, Mueller, Clark, Wen, B.Taylor, Arnold)			Spear / Mueller	Executive Boardroom
4:00–5:00PM	Treasurer's Meeting - (Spear, Mueller, Clark, Wen, B.Taylor, Arnold)			Mueller	Executive Boardroom
Sunday, OCTOBER-20-2024 (20.10.2024)					
12:00–3:45PM	Administrative Committee Opening Meeting - (Spear, Mueller, Clark, Wen, B. Taylor, Arnold, Richardson, Reepe, Jovanovic, Frentzas, Rong, Laudicina, Fallesen, Tirinzoni, Perkel, Gulski, Leufkens, Mosier, Makovoz, Zhou, Klement, Madden, Carson, von Hermann, Wald, Levine, Thompson, Anderson, Smith)			Spear / Mueller	Pine
4:00–5:00PM	Advisory Committee Meeting - (Madden, Jovanovic, Spear, Mueller, Clark, past ICC Chairs)			Madden / Jovanovic	Sanibel
4:00 – 5:00PM	External Project Approvals Committee (EPAC) - (Klement, Clark, Richardson, Reepe, Jovanovic, Frentzas, Rong, Laudicina, Fallesen, Tirinzoni, Perkel)			Klement / Clark	Captiva
MONDAY OCTOBER-21-2024 (21.10.2024)					
7:00–7:45 AM	All Chairs Breakfast Meeting - (Subcommittee, Working Group, Discussion Group, Transnational, Education, Communications, and Standards: Chairs and Vice-Chairs)			Spear / Mueller	Great Egret
7:45 AM – 8:00AM	All Chairs Mtg. – Sub A Breakout			Richardson / Reepe	Great Egret
	All Chairs Mtg. – Sub B Breakout			Jovanovic / Allen	Great Egret
	All Chairs Mtg. – Sub C Breakout			Frentzas / Rong	Great Egret
	All Chairs Mtg. – Sub D Breakout			Laudicina / Fallesen	Great Egret
	All Chairs Mtg. – Sub F Breakout			Tirinzoni / Perkel	Great Egret
	All Chairs Mtg. – Sub G Breakout			Gulski / Leufkens	Great Egret
TUESDAY OCTOBER-22-2024 (22.10.2024)					
7:00-8:00am	Training Breakfast			Gonzalez	Calusa B-C
WEDNESDAY, OCTOBER-23-2024 (23.10.2024)					
7:00-8:00am	Training Breakfast			Gonzalez	Calusa B-C
12:00–2:00 PM	Administrative Committee Wrap-Up Meeting - (Attendees: See Opening Meeting)			Spear / Mueller	Calusa A

