

Monday, March 27, 2023

Conference Schedule

12:00 PM to 6:00 PM	Exhibitor Move In - Exhibit Hall North and South	CLASSROOM	Junior Ballroom A	Junior Ballroom B / Outdoors	Junior Ballroom C / Outdoors
11:30 AM to 7:00 PM	Registration Opens - Exhibit Hall Pre-Function	Monday 12:30PM to 2:30PM	Self-Defense Workshop <i>Wesco</i>	Revolutionizing the Solar Workflow with Drone Technology <i>Scanify</i>	Quality, Speed, AlphaSeal™: Live Demo of Rail-Less PV Mounting! <i>Roof Tech</i>
3:00 PM to 4:30 PM	Round Tables Discussion - Room D 1-3				
4:45 PM to 5:45 PM	"Meet and Greet" - Room 104/105 Sponsored by Mission Solar				
6:00 PM to 7:00 PM	Opening Keynote Speaker - Jodi White - Grand Ballroom A & B - Sponsored by: BayWa r.e. Solar Systems				
7:00 PM to 9:00 PM	Welcome Reception - Exhibit Hall Pre-Function - Sponsored by BayWa r.e.				



Tuesday, March 28, 2023

8:00 am - 4:00 pm						CONFERENCE REGISTRATION						Exhibit Hall Pre-Function											
8:00-9:00 am						BREAKFAST BUFFET						Exhibit Hall North and South						Sponsored by: ENPHASE					
8:00-8:50 am						VETERAN'S APPRECIATION BREAKFAST						Grand Ballroom C						Sponsored by: SOLAR TOOLS USA					
CLASSROOMS	Room 101	Room 102	Room 103	Room 104/105	Junior Ball A	Junior Ball B	Junior Ball C	Junior Ball D	Room D-1	Room D-2	Room D-3												
9:00-10:30 am	Renewable Energy and Storage, the What, Why and How <i>AdaptiPhy Energy Solutions</i>	Building Better Battery Systems Fortress 105 Technical Training + Batt265 Retrofitting Batteries <i>Fortress Power</i>	Low-Slope Commercial Rooftops: The Hidden Pitfalls of Solar Design and Installation <i>OMG Roofing Products</i>	Drones, 3D Mapping, and LIDAR in Solar <i>Scanify</i>	Best Practices for Dual PV Microinverter Implementation <i>Northern Electric Power (NEP)</i>	Microinverters in C&I Applications <i>APsystems</i>	Controlling String Inverters Through Power Line Communication (PLC) <i>Sungrow</i>	DC Disconnects within PV and ESS Systems - How to Size <i>IMO Automation</i>	Continuity, Bonding, and Ground Fault Locating in Solar PV Systems <i>Megger</i>	Advanced Ground Mount Design & Installation <i>IronRidge</i>	PV Associate Training by <i>HeatSpring</i>												
10:30-11:00 am						MORNING BREAK						Exhibit Hall North and South						Sponsored by: GENERAC					
CLASSROOMS	Room 101	Room 102	Room 103	Room 104/105	Junior Ball A	Junior Ball B	Junior Ball C	Junior Ball D	Room D-1	Room D-2	Room D-3												
11:00-12:30 pm	Energy Storage - LFP & Traditional Deep Cycle Battery Selection, Sizing, Installation & Programming <i>Rolls Battery Engineering</i>	Integrating Large-Scale Energy Storage: Solar + Storage Solutions for C&I and Utility Applications <i>Chint Power Systems CPS</i>	Achieving True Safety in Energy Storage: UL 9540A Fire Testing <i>Briggs and Stratton Energy Solutions</i>	"Hybrid" Inverters: The New Standard Platform for Residential PV & Battery Systems <i>Solis Inverters</i>	K2 Pro: Solar Mounting & Roofing Best Practices <i>K2 Systems</i>	Energy Storage Testing: Understanding IEC 61427-1 <i>Phocos Americas</i>	Best Practices and Proper Techniques for Connectors, Bonding, Grounding, and Wire Management, <i>Burndy/Wiley, LLC</i>	Developing Company Resilience: Weathering Industry Storms to Build Business Success <i>BayWa r.e.</i>	Lessons from the Roof: Residential Installation Nightmares and How to Avoid Them <i>Pegasus Solar</i>	Load Management <i>Generac</i>	PV Associate Training by <i>HeatSpring</i>												
12:30-2:00 pm						NETWORKING LUNCH						Exhibit Hall North and South						Sponsored by: Sol-Ark					
CLASSROOMS	Junior Ballroom A & B				Junior Ballroom C & D				Room 104/105				Room D-1										
2:00-4:00 pm	Operation and Maintenance for Solar and Storage Sponsored by Fortress Power Moderator: Kyle Bolger INVITED PANEL Kate Collardson (OMNIDIAN) David Robinson Sun Up STS (Solar Tech Services) Marquis Matthews (PV Perfect)				Energy Management, Power Control Systems, and Interconnection Methods - Innovative Hardware for Advanced Control and Interconnection Sponsored by Discover Battery Moderator: Jeff Spies, (Planet Plan Sets) Invited Panel: Jason Fisher (Solar Consultant) Phil Roth (Lumin) Will Dillon (Savant Systems)				Safety Training and Planning Sponsored by APsystems Moderator: Bob Hattier, (IBEW Local 134) Invited Panel: Aur Beck (Advance Energy Solutions) Joe Kilcoyne (IBEW Local 134)				Installer Onboarding, Employee Career Planning, Workforce Development, Quality Job Growth Sponsored by Sol-Ark Moderator: Johan Alfson (K2 Systems) Invited Panel: Becky Dougherty (StraightUp Solar) Brittney Heller (HeatSpring) Nick Matthes (Midwest Renewable Energy Association)										
4:00-4:30 pm						AFTERNOON BREAK						Exhibit Hall North and South						Sponsored by: inter solar NORTH AMERICA					
CLASSROOMS	Room 101	Room 102	Room 103	Room 104/105	Junior Ball A	Junior Ball B	Junior Ball C	Junior Ball D	Room D-1	Room D-2	Room D-3												
4:30-6:00 pm	Understanding LYNK ACCESS & LYNK II Gateway: Close-Loop Communications and Optimized Performance <i>Discover Battery</i>	Choosing AC vs. DC Coupled Systems <i>OutBack Power</i>	NXT UMount™: Installation and Best Practices <i>Unirac, Inc.</i>	Design and Installation of the Enphase 3.0 ESS <i>Enphase Energy</i>	Residential Ground Mounts, Carports and Canopies – Increase Profitability and Minimize Aggravation <i>Solar Foundations USA</i>	Maximizing Your Solar Potential: A Deep Dive into the Sol-Ark 30K and 60K Commercial Inverters <i>Sol-Ark</i>	Building a Solar Software Stack to Support Growth Solution <i>Bodhi</i>	The Added Benefits of Power Optimization & Panel-Level Monitoring <i>Entelligent™ NMax RSD Optimizers Entelligent</i>	Tools and Techniques for Commissioning and Maintaining PV Systems <i>Fluke Corporation</i>	AC Coupling, NEC 2020 and Whole Home Back-up <i>FranklinWH</i>	PV Associate Training by <i>HeatSpring</i>												
6:00 - 8:30 pm						NETWORKING DINNER/RECEPTION						Exhibit Hall North and South						Sponsored by: APsystems					

● = NEC "National Electric Code"
 ● = Building and/or Fire Code (BFC)
 ● = PVIP
 ● = PVIS
 ● = PVDS
 ● = PVTS
 ● = PVCMS
 ● = PVSI

Wednesday, March 29, 2023 Conference Schedule

8:00 am-4:00 pm		REGISTRATION OPEN					Exhibit Hall Pre-Function					
8:00-9:00 am		BREAKFAST BUFFET					Exhibit Hall North and South					Sponsored by: 
8:00-8:50 am		WOMEN AND MINORITIES IN SOLAR BREAKFAST					Grand Ballroom C			Sponsored by:  		
CLASSROOMS	Room 101	Room 102	Room 103	Room 104/105	Junior Ball A	Junior Ball B	Junior Ball C	Junior Ball D	Room D-1	Room D-2	Room D-3	
9:00-10:30 am	Auxiliary Relay Controls with Discover LYNK ACCESS and LYNK II Gateway Discovery Battery	Mastering the Technique of Installing Solar-Plus-Storage with Yotta Energy's Innovative Technology Yotta Energy	Navigating NEC 690 Fronius USA	Design and Installation of the Enphase 3.0 ESS Enphase Energy	Home Backup Power: System Selection and Sizing GoodWe Technologies	Securing Your Energy Future with Whole-Home Backup Sol-Ark	Rail-Less Solar on Metal Roofs: Wire Management & Best Practices S-51	There's More to Building Your Business: Tools for Defining Organizational Development BayWa r.e.	PV Electrical Testing and Safety Seaward	Planning and Executing the Remote Microgrid Blue Planet Energy	PV Associate Training by HeatSpring	
10:30-11:00 am		MORNING BREAK					Exhibit Hall North and South					Sponsored by: 
CLASSROOMS	Room 101	Room 102	Room 103	Room 104/105	Junior Ball A	Junior Ball B	Junior Ball C	Junior Ball D	Room D-1	Room D-2	Room D-3	
11:00-12:30 pm	Energy Storage Advanced Commissioning, Care & Troubleshooting of Battery-Based Systems Rolls Battery Engineering	Avoiding Mistakes with Energy Storage and System Sizing OutBack Power	Off Grid Stationary and Autonomous Mobile Power Systems Victron Energy	PV Mounting with AlphaSeal™: Codes & Best Practices Roof Tech, Inc	Rapid Shutdown 2.0 - How to Get More Than Just NEC Code Compliance Northern Electric Power (NEP)	Designing with the SPAN Panel SPAN	Lumin Smart Panel Advanced Installation Training Lumin	Optimizing System Design with Aurora Solar Design Aurora Solar	Yaskawa Solectria Solar's Design Guide for Energy Storage Yaskawa Solectria Solar	Solar-Plus-Storage ESS NEC and Fire Codes Mayfield Renewables	PV Associate Training by HeatSpring	
12:30-2:00 pm		NETWORKING LUNCH					Exhibit Hall North and South					Sponsored by: 
CLASSROOMS	Junior Ballroom A & B			Junior Ballroom C & D			Room 104/105		Room D-1			
2:00-4:00 pm	Energy Storage - Codes, Compliance, RTFM and Equipment (Including Disconnecting Means Requirements) Sponsored by Greentech Renewables Moderator: Troy Daniels and Greg Smith INVITED PANEL Emmitt Muckles (Ormidian) Ryan Mayfield (Mayfield Renewables) Matt Walker (Victron Energy) Kindle Schmidt (Greentech Renewables)			Quality Management: The Feedback Loop Identifying the Most Common Failures in PV Installations in the Past Decade and How to Avoid Them Sponsored by, Scanify Moderator: Rudy Saporite (IBTS) INVITED PANEL Jeff Wang (Staubli) Johan Alfsen (K2) Milton Nogueira (Roof-Tech) Jeff Spies (Planet Plan Sets)			The IRA and Other Technical Sales Considerations for 2023 Sponsored by BayWa r.e. Moderator: Andrew Truitt INVITED PANEL Marc Lopata, (Azimuth Solar) Ben Rabe, (New Buildings Institute) Shannon Fulton, (StraightUp Solar) Harry Benson, (Standard Solar)		PV Code Forum: Updates in Electrical, Fire, and Building Codes Sponsored by Rolls Battery Engineering Moderator: Brian Mehalic (Solar Energy International) Invited Panel: Jason Fisher (Solar Tech Consultant) Rebekah Hren (Solar Energy International) Dustin Haddock (S-51)			
4:00-4:30 pm		AFTERNOON BREAK					Exhibit Hall North and South					Sponsored by: 
CLASSROOMS	Room 101	Room 102	Room 103	Room 104/105	Junior Ball A	Junior Ball B	Junior Ball C	Junior Ball D	Room D-1	Room D-2	Room D-3	
4:30-6:00 pm	DC Power Systems: Advanced PV Design and Troubleshooting MidNite Solar	Building Move Bits, not Trucks. 90 minutes to Energy Internet Expertise. Fortress Power	Why the Battery Management System (BMS) Matters & Understanding the Different BMS Functions: Briggs and Stratton Energy Solutions	Optimizing Design to Avoid "Crosstalk" Tigo Energy, Inc.	XW Pro Performance & BCS Schneider Electric	Deka Duration LFP MK Battery	Learn the Latest Innovations in Solar Mounting Systems SunModo	Carports and EVs — a Natural Combination Preformed Line Products (PLP)	High Voltage BESS System for Residential Pylon Technologies	Know Your Code: Solar Roof Mounting IronRidge	PV Associate Training by HeatSpring	
6:00 - 8:30 pm		NETWORKING DINNER/RECEPTION					Exhibit Hall North and South					Sponsored by: 
8:00 - 10:00 pm		SPECIAL EVENT: Wait, Wait Don't Tell Me - Solar Edition!					Exhibit Hall North and South					Sponsored by: 

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Conference Schedule

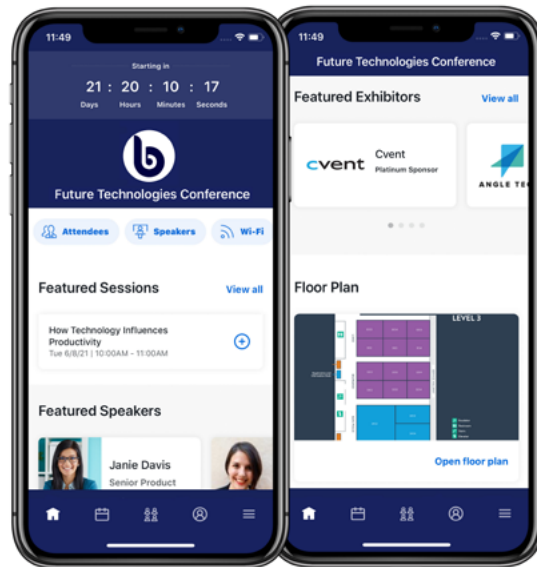
8:00-8:30 am		BREAKFAST BUFFET		Exhibit Hall North and South		Sponsored by:		aurora	
8:00-10:00 am		CONFERENCE REGISTRATION		Exhibit Hall Pre-Function					
CLASSROOMS	Grand Ballroom A - B	Junior Ballroom A & B	Junior Ballroom C & D	Room 104/105	Room D-3				
8:30-10:00 am	Code Requirements for PV Installations 2017 & 2020 NEC Sponsored by Greentech Renewables Presented by Ryan Mayfield, Mayfield Renewables ●●●●●●	Megawatt-Scale PV: Design Considerations and Case Study Discussion Sponsored by SolarInsure Presented by Amy Scher Solar Energy International (SEI) and Joe Villacci Solar Energy International (SEI) ●●●●	PV System Operations and Maintenance (O&M) Sponsored by Enphase O&M Marketplace Presented by Brian Mehalic, Solar Energy International (SEI) ●●●●	Electrification: A Technical and Financial Overview Sponsored by SolarReviews Presented by Michael Bishop (Slow Power) ●●●	PV Associate Training by HeatSpring ●●●				
10:00-10:30 am		MORNING BREAK		Exhibit Hall North and South		Sponsored by:		OutBack POWER	
CLASSROOMS	Grand Ballroom A - B	Junior Ballroom A & B	Junior Ballroom C & D	Room 104/105	Room D-3				
10:30-12:00 pm	Code Requirements Continued ●●●●●●	Megawatt-Scale PV: Continued ●●●●	PV System Operations and Maintenance (O&M) Continued ●●●●	Electrification: Continued ●●●	PV Associate Training by HeatSpring ●●●				
12:00-1:00 pm		NETWORKING LUNCH		Exhibit Hall North and South		Sponsored by:		Rolls BATTERY ENGINEERING	
CLASSROOMS	Grand Ballroom A - B	Junior Ballroom A & B	Junior Ballroom C & D	Room 104/105	Room D-3				
1:00-2:30 pm	Code Requirements Continued ●●●●●●	Megawatt-Scale PV: Continued ●●●●	PV System Operations and Maintenance (O&M) Continued ●●●●	Electrification: Continued ●●●					
2:30-3:00 pm		AFTERNOON BREAK		Exhibit Hall Pre-Function		Sponsored by:		FRANKLINWH	
CLASSROOMS	Grand Ballroom A - B	Junior Ballroom A & B	Junior Ballroom C & D	Room 104/105	Room D-3				
3:00-4:30 pm	Code Requirements Continued ●●●●●●	Megawatt-Scale PV: Continued ●●●●	PV System Operations and Maintenance (O&M) Continued ●●●●	Electrification: Continued ●●●					

4:30 pm Conference Adjournment - Thank You for Attending NABCEP's 13th Annual CE Conference. Have A Safe Journey Home!
 TO RECEIVE CEU's YOU MUST SCAN YOUR BADGE IN AND OUT OF EACH SESSION - KIOSK's AT EACH DOORWAY

- = NEC "National Electric Code"
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