



NSF Center for GRid-connected Advanced Power Electronics Systems (GRAPES) Annual Meeting - May 15-16, 2025

Meeting Location: Cambria Hotel Milwaukee Downtown
503 N. Plankinton Avenue
Milwaukee, WI 53203
Goodland Meeting Room

Thursday, May 15, 2025							
Chile	Taiwan	South Korea	Time Allotted	Start (CDT)	End (CDT)		
8:30 AM	8:30 PM	9:30 PM	60	7:30 AM	8:30 AM	Breakfast & Registration	Goodland Meeting Room
9:30 AM	9:30 PM	10:30 PM	30	8:30 AM	9:00 AM	Introductions & Overview of Schedule and Introductions Yue Zhao, GRAPES Executive Director Rob Cuzner, UWM GRAPES Site Director Roy McCann, UA GRAPES Site Director Adel Nasiri, USC GRAPES Site Director	
10:00 AM	10:00 PM	11:00 PM	30	9:00 AM	9:30 AM	GRAPES Center Update Yue Zhao, Executive Director, GRAPES	
10:30 AM	10:30 PM	11:30 PM	10	9:30 AM	9:40 AM	GRAPES Voting Update/Discussion Yue Zhao, Executive Director, GRAPES	
10:40 AM	10:40 PM	11:40 PM	30	9:40 AM	10:10 AM	GRAPES Korea Updates/Waiting on Title Yong-June Shin, Korea University/Gyusub Lee, Seoul National University	
11:10 AM	11:10 PM	12:10 AM	15	10:10 AM	10:25 AM	Break	
11:25 AM	11:25 PM	12:25 AM	25	10:25 AM	10:50 AM	New Member Presentation - MEPPi (15 min presentation, 10 min Q&A) Jim Hoelscher, Business Development and Sales Manager, VVC and Power Quality Solutions, MEPPi	
11:50 AM	11:50 PM	12:50 AM	25	10:50 AM	11:15 AM	New Member Presentation - Prolec (15 min presentation, 10 min Q&A) Carlos Gaytan, Manager of Prolec Labs R&D, Prolec	
12:15 PM	12:15 AM	1:15 AM	20	11:15 AM	11:35 AM	Eaton Plus Up Project Update (15 min presentation, 5 min Q&A) Alan Mantooth/David Huitink	
12:35 PM	12:35 AM	1:35 AM	20	11:35 AM	11:55 AM	ITRI Plus Up Project Update (15 min presentation, 5 min Q&A) Yue Zhao	
12:55 PM	12:55 AM	1:55 AM	20	11:55 AM	12:15 PM	Eaton Plus Up Project Update (15 min presentation, 5 min Q&A) Rob Cuzner	
1:15 PM	1:15 AM	2:15 AM	60	12:15 PM	1:15 PM	Lunch	
2:15 PM	2:15 AM	3:15 AM	90	1:15 PM	2:45 PM	Business Meeting (IAB & Faculty) Break (Guests & Students)	
3:45 PM	3:45 AM	4:45 AM	30	2:45 PM	3:15 PM	Break	
4:15 PM	4:15 AM	5:15 AM	90	3:15 PM	4:45 PM	Poster Session	
5:45 PM	5:45 AM	6:45 AM	15	4:45 PM	5:00 PM	Break	



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6:00 PM	6:00 AM	7:00 AM	30	5:00 PM	5:30 PM	Walk to Dinner	
6:30 PM	6:30 AM	7:30 AM	120	5:30 PM	7:30 PM	Organized Dinner	

Friday, May 16, 2025							*GRAPES Members Only*
Chile	Taiwan	South Korea	Time Allotted	Start (CDT)	End (CDT)		
8:30 AM	8:30 PM	9:30 PM	60	7:30 AM	8:30 AM	Breakfast	Goodland Meeting Room
9:30 AM	9:30 PM	10:30 PM	15	8:30 AM	8:45 AM	Overview of the Schedule <i>Rob Cuzner, UWM Site Director, GRAPES</i>	
9:45 AM	9:45 PM	10:45 PM	15	8:45 AM	9:00 AM	GRAPES Short Course Review	
10:00 AM	10:00 PM	11:00 PM	20	9:00 AM	9:20 AM	Ultrafast <i>Alan Mantoosh, University of Arkansas</i>	
10:20 AM	10:20 PM	11:20 PM	20	9:20 AM	9:40 AM	GR-23-02: Compact, GaN Based, 25kW and 100kW 480VAC Bidirectional Inverter <i>Adel Nasiri, University of South Carolina</i>	
10:40 AM	10:40 PM	11:40 PM	20	9:40 AM	10:00 AM	Design and Development of a 20kV High Voltage SiC Switch for Next Generation Energy Conversion and Grid Modernization <i>Xiaoqing Song & Yue Zhao, University of Arkansas</i>	
11:00 AM	11:00 PM	12:00 AM	20	10:00 AM	10:20 AM	Low Rth, Dense Ceramic Isolation Enabling Direct Substrate Integration on Cold Plate <i>David Huitink, University of Arkansas</i>	
11:20 AM	11:20 PM	12:20 AM	20	10:20 AM	10:40 AM	Break	
11:40 AM	11:40 PM	12:40 AM	80	10:40 AM	12:00 PM	Optional Tours of UWM labs <i>Schedule with Rob Cuzner directly</i>	
1:00 PM	1:00 AM	2:00 AM	60	12:00 PM	1:00 PM	Boxed Lunch Meeting Adjourned	