UCONN
COLLEGE OF ENGINEERING
CONNECTICUT POWER ELECTRONICS CENTER OF EXCELLENCE

2026 Northeast Power Electronics Symposium (NEPES) - Nov. 12-13, 2026

Nov. 12, 2026 — Day 1 Agenda

Time	Description	Location
7:30 AM	**Registration** Turn Page for Day 2	IPB Lobby
7:30 AM	**Arrival, coffee, pastries**	IPB 317
8:45 AM	**Welcome** Prof. Ali Bazzi, UConn CONPEX Prof. Lindsay DiStefano, UConn Vice President for Research	IPB 317
9:00 AM	**Keynote 1: Mr. Anurag Jivanani - Schneider Electric** *Power Electronics– Shaping the Future of AI Datacenters*	IPB 317
9:30 AM	**Expert Presentations:** **1. Mr. Jay Patel, Ametek CTS (9:30 AM)** *Power Electronics in Harsh Environments: Circuit Challenges and Battery Self-Heating Strategies* **2. Dr. Ali Gokirmak, Uconn (9:50 AM)** *Undergraduate PCB Design Course and Lab*	
10:10 AM	**Coffee Break**	IPB 317
10:25 AM	**Keynote 2: Mr. John Perry - Wolfspeed** *From AI Datacenters to Aerospace & Defense: How Silicon Carbide Is Unlocking the Next Generation of Capability*	IPB 317
10:55 AM	**Keynote 3: Dr. Phuc Huynh** *Electrifying Flight: The Breakthroughs, Barriers, and Road Ahead*	IPB 317
11:25 AM	**Introduction to the Center for Advanced Engineering Education (CAEE) at UConn**	IPB 317
11:45 AM	**Lunch**	Lobby
12:45 PM	**CONPEX Overview**	IPB 317
1:15 PM	**Tech Park Overview** *Prof. Manos Anagnostou, Mr. Michael DiDonato*	IPB 317
1:45 PM	**Student Networking Event / Coffee**	IPB 317
	Industry Tutorial 1: Dewetron (By registration with Dewetron only)	
	Power Electronics Control - A Brushless Motor Case Study	IPB 323
2:45 PM	**Expert Presentations:** **1. Dr. Shan Zuo, University of Connecticut (2:45 PM)** High-Power-Density GaN Converters: From Design Optimization to Safe and Resilient Control **2. Dr. Georges Pavlidis, University of Connecticut (3:05 PM)** Beyond the Substrate: Near-Junction Thermal Management of Ultra-Wide-Bandgap Devices	IPB 317
3:30 PM	**Lab Tours**	Selected Labs
5:00 PM	**Reception & Poster/Demo Session**	IPB Lobby
WI-FI	**Connect for free to "UCONN-GUEST" or "eduroam" if applicable**	
Parking	**Free on both sides of IPB except for vehicle charger fees**	

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CONNECTICUT POWER ELECTRONICS CENTER OF EXCELLENCE

2026 Northeast Power Electronics Symposium (NEPES) - Nov. 12-13, 2026

Nov. 13, 2026 — Day 2 Agenda

Time	Description	Location
7:30 AM	**Registration**	IPB Lobby
7:30 AM	**Arrival, Coffee, Pastries**	IPB 317
8:45 AM	**Welcome** Prof. Ali Bazzi, UConn Prof. JC Zhao, Dean of the UConn College of Engineering	IPB 317
9:00 AM	**Keynote 4: Dr. Amrita Masurkar - BAE Systems** *Powering the Mission: From Compact Architectures to Large Tactical Platforms*	IPB 317
9:30 AM	**Industry Tutorial 2: Mathworks** *Solid-State Transformers for AI Data Centers*	
10:30 AM	**Panel 2: Power Conversion and Drives for Building and Cooling Systems** *Moderator: Mr. John Noon, OTIS*	IPB 317
11:30 AM	**Coffee Break**	IPB 317
11:45 AM	**Expert Presentations:** **1. Dr. Ilham Osman, General Motors (11:45 AM)** *Power Electronics for Traction inverters in harsh environments* **2. Mr. Jacob Heisler, Heisler Semiconductor (12:05 PM)** *AI-Assisted Process Development for Power Electronics Packaging* **3. Dr. Xin Zan, University of Maryland (12:25 PM)** *Recent Advances in Radio-Frequency Switched-Mode Power Amplifiers*	IPB 317
12:45 PM	**Lunch**	Lobby
1:30 PM	**Introduction to the Center for Advanced Engineering Education (CAEE) at UConn**	IPB 317
1:45 PM	**Panel 3: Powering the Pulse: Industry Perspectives on Pulsed Power Loads** *Moderator: Mr. Elvis Crespo, Booz Allen Hamilton*	IPB 317
2:45 PM	**Coffee Break**	IPB 317
3:00 PM	**CONPEX Updates**	IPB 317
3:15 PM	**Panel 1: Powering the Future of Flight: Trends, Challenges, and Opportunities in Aerospace Power Electronics** *Moderator: Mr. Stefan Bilyk, Triumph*	IPB 317
4:00 PM	**Expert Presentations:** **1. Dr. Yeonho Jeong, University of Rhode Island (4:00 PM)** *Power Electronics: From Circuit Topology to the Digital Era* **2. Dr. Mahshid Amirabadi, Northeastern University (4:20 PM)** *Capacitive-Link Universal Power Converters for Renewable Energy and Motor Drive Applications*	IPB 317
4:40 PM	**Student Networking Event / Coffee**	IPB 317
5:10 PM	**Lab Tours**	Selected Labs
6:00 PM	**Reception & Poster/Demo Session**	IPB Lobby

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