2024 Industry Conference

Tuesday, April 30 and
Wednesday, May 1, 2024
Knoxville, TN

INDUSTRY CONFERENCE – DAY 1
Tuesday, April 30, 2024
(UT Student Union, Room 169 unless noted otherwise)
(All times US Eastern)

8:00 – 8:30	**Breakfast**
8:30 – 12:00	**Pre-conference Tutorials**
8:30 – 10:00	Feng Yuan Zhang (UTK): "Green Hydrogen as a Path to Decarbonization and Net-Zero"
10:00 – 10:30	Break
10:30 – 12:00	Sandra Bogetic (UTK): "Small Modular Reactors to Contribute in the Future of Grid Decarbonization"
12:00 – 13:00	**Lunch (*UT Student Union, Rooms 362A/B, overflow 360*)**
13:00 – 13:30	**Welcome and Center Overview**
13:30 – 15:00	**Invited Keynote Speeches**
13:30 – 14:00	Darrell Moore (NERC): "Challenges in the Electric-Gas Energy System"
14:00 – 14:30	Olga Spahn (ARPA-E): "Power Semiconductor Technologies for Improved Grid Control, Resilience and Reliability"
14:30 – 15:00	Fred Jones (Raytheon): "Cyber Safe Communities – A Conceptual Architecture for Securing Critical Infrastructure and Local Citizens"
15:00 – 15:30	**Break**
15:30 – 16:30	**Industry/Alumni Session**
16:30 – 17:30	**Dialogue Session for Selected Posters (*UT Student Union, Room 362A*)**
17:30 – 18:30	**Break**
18:30 – 20:30	**Conference Dinner (The Gallery, Marriott Knoxville Downtown)**
20:30 – 21:30	**Industry Meeting**

8:00 – 8:30	**Breakfast**
8:30 – 9:30	**Invited Keynote Speeches**
8:30 – 9:00	Y.C. Zhang (Utilidata) "Redefining the Grid from the Edge via Distributed AI"
9:00 – 9:30	Peter Barbosa (Delta Electronics) "Components, Systems, and Grid Interface Challenges Related to Solid-State Transformers in Emerging Applications"
9:30 – 10:00	**Break**
10:00 – 12:00	**Faculty Research Projects Overview** Fran Li, Yilu Liu, Hector Pulgar, Kai Sun, Kevin Tomsovic, Kevin Bai, Daniel Costinett, Leon Tolbert, Fred Wang, Zheyu Zhang, Chien-Fei Chen, Stella Sun
12:00 – 12:15	**Break and move to Min Kao Building**
12:15 – 15:00	**Testbed Demo, Lab Tour, Poster Session, and Box Lunch (*Min Kao Building*)**
12:15 – 13:00	CURENT Testbeds Demo (*Visualization and Control Room 124*) Large-scale Testbed (LTB), FNET, and Hardware Testbed (HTB)
12:15 – 14:15	Box Lunch (*Room 118*)
13:00 – 15:00	Power Electronics Poster Session and Lab Tours HTB Lab (*Room 101*) High Power Electronics Lab (*Room 117*) Medium and Low Power Electronics Lab (*Room 125*) Power Systems Poster Session and Lab Tours HTB Lab (*Room 101A*) CURENT Conference Room (*Room 121*) FNET Lab (*Room 402*)
15:00	**Adjourn**