



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)

(All times US Eastern)

8:00 – 8:30	Breakfast
8:30 – 12:00	Pre-conference Tutorials
8:30 – 10:00	Tutorial on Hydrogen Technology, “Green hydrogen as a path to decarbonization and net-zero” by Prof. Feng Yuan Zhang (UTK)
10:00 – 10:30	Break
10:30 – 12:00	Tutorial on Nuclear Technology (Small Modular Reactors and Microreactors) (Title TBD) by Prof. Sandra Bogetic (UTK)
12:00 – 13:00	Lunch (Rooms 362 & 360 UT Student Center)
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	Student Paper Session – Power Systems
16:30 – 17:30	Student Paper Session – Power Electronics
17:30 – 18:30	Break
18:30 – 20:30	Conference Dinner (The Gallery, Marriott Knoxville Downtown)
20:30 – 21:30	Industry Meeting

INDUSTRY CONFERENCE – DAY 2
Wednesday, May 1, 2024 (UT Student Union, Room 169)

8:00 – 8:30	Breakfast
8:30 – 9:30	Invited Keynote Speeches (Tentative)
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,
12:00 – 12:15	Break and move to Min Kao Building lab
12:15 – 15:00	Box Lunch, Lab Tour, and Poster Session
15:00	Adjourn
