2023 Industry Conference

**Tuesday, April 18 and**

**Wednesday, April 19, 2023**

**Knoxville, TN**


# INDUSTRY CONFERENCE – Day 1

## Tuesday, April 18, 2023 (UT Student Center, Room 169)

(All times US Eastern)

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| 8:00 – 8:30 | **Breakfast** |
| 8:30 – 12:00 | **Pre-conference Tutorials** |
| 8:30 – 10:00 | Modeling, Management and Application of Lithium-Ion Battery Energy Storage Systems (Kevin Bai) |  |
| 10:00 – 10:30 | Break |  |
| 10:30 – 12:00  | Fundamentals of Intelligent Systems and Machine Learning: Applications in Power Systems (Fran Li, Kevin Tomsovic, and Yilu Liu) |  |
| 12:00 – 13:00 | **Lunch**  |  |
| 13:00 – 13:30  | **Welcome and Center Overview**  |  |
| 13:30 – 15:00  | **Invited Keynote Speeches (sequence is subject to change)** |  |
| 13:30 – 14:00 | Ben Kroposki (NREL) “*Grid-forming Inverters and the UNIFI Consortium*” |
| 14:00 – 14:30 | Daniel Brooks (EPRI) “*Grid Capabilities and Technologies to Enable a Net-Zero* *Economy by Mid-Century*” |
| 14:30 – 15:00 | Jeffrey Csank (NASA) “*NASA Lunar Surface Operations and Power Grid*” |
| 15:00 – 15:30 | Break |  |
| 15:30 – 16:30 | **Faculty Research Projects Overview**(F. Li, Y. Liu, H. Pulgar, K. Sun, K. Tomsovic, J. Chow/D. Osipov, K. Bai, D. Costinett, H. Cui, L. Tolbert, F. Wang)  |  |
| 16:30 – 17:30  | **Student Paper Session – Power Systems**(A. Ademola, B. She, X. Wang, T. Xia, M, Xiong, D. Dotta, M. Bennett) |  |
| 17:30 – 18:30 | Break |  |
| 18:30 – 20:30 | **Conference Dinner (Cumberland House Hotel—Pearl Ballroom)**  |  |
| 20:30 – 21:30 | **IAB/SAB Meeting** |  |

Industry Conference – Day 2

*Wednesday, April 19, 2023 (UT Student Center, Room 169)*

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| 8:00 – 8:30 | **Breakfast** |
| 8:30 - 9:30 | **Student Paper Session – Power Electronics**(P. Kritprajun, Z. Gao, D. Li, S. Sohid, X. Xia, Z. Liang) |
| 9:30 – 10:30 | **Invited Keynote Speeches** |
| 9:30 – 10:00 | Wolfgang Demmelbauer-Ebner (Volkswagen): “*Electrification in America - Volkswagen’s Journey to Zero Emissions*” |
| 10:00 – 10:30 | Juan Castaneda (Southern California Edison): (tentative) “*Pathway 2045- SCE Road Map to Full Decarbonization*” |
| 10:30 – 11:00 | Break and moving to labs on Min Kao Building 1st and 4th floor  |
| 11:00 – 13:00 | **Lab Demo, Poster Session and Box Lunch** |
| 13:00 | Adjourn |