Department of Electrical and Computer Engineering

Seminar / Presentation

Friday, October 19, 2018
1:00pm – 2:00pm
West Commons-220

"A Broad Perspective on Future Mobility – How Battery Changes Electrification"

Speaker: Dr. Boryann Liaw, Idaho National Laboratory

Abstract: The renewable energy and electrification in the transportation sector have brought significant changes in the energy sectors regarding the next generation of mobility and grid infrastructure. In this mix, battery technology plays a significant role in this transformation of our future energy planning and security. Idaho National Lab (INL) sees a great challenge in the electrification process that is unchartered by the industry. With the support under the U.S. Department of Energy EERE office, INL is conducting some forefront research that is intended to greatly support the mission to enable the electrified transformation in the U.S. and the world. This presentation shall provide some live discussions on how this is going to happen and how the battery technology sector is responding to the needs in the industry and the society.

Biography: Dr. Boryann (Bor Yann) Liaw is manager of the Energy Storage and Advanced Vehicles Department at Idaho National Laboratory. The department operates state-of-the-art Energy Storage Innovation Technology Center (ESITeC), Non-destructive Battery Laboratory for Evaluation (NOBLE), and Electric Vehicle Infrastructure Laboratory (EVIL), to conduct reliability, safety, and failure analyses of energy storage systems, advanced vehicles, and charging equipment and infrastructure. Dr. Liaw received his doctorate in materials science and engineering from Stanford University. He is a Fellow of the Electrochemical Society and past President of International Battery Association. He has been a university faculty member at the University of Hawaii at Manoa and active professional consultant in industry before joining INL.

All faculty and graduate students are welcome to attend. **All graduate students must attend at least three Graduate Research seminars before registering for EE 799.** An attendance sheet will be circulated at the seminar.