

Speaker Profile



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Dr. Bor Yann Liaw directs the Electrochemical Power Systems Laboratory to conduct research on advanced batteries, (bio)-fuel cells, and chemical sensors at the University of Hawaii at Manoa. He received his Ph.D. in Materials Science and Engineering from Stanford University in 1988 and conducted his post-doctoral fellowship at the Max-Planck-Institute of Solid State Research in 1989. He has published over 100 technical papers and acquired three patents in US and Europe. He has been involved in electric and hybrid vehicle R&D for the past 12 years, primarily focused on battery testing, model prediction and simulation, and vehicle operation data collection and analysis. Currently, with support from the Hawaii Center for Advanced Transportation Technologies (HCATT) and Air Force Advanced Power Technology Office (APTO), he is conducting several advanced lithium ion battery and hybrid vehicle evaluations at the Hickam Air Force Base in Honolulu. He also receives support from ONR, AFOSR (via a Multi-disciplinary University Research Initiative project), and NGSa to develop enzymatic bio-fuel cells with a team of US researchers spreading over seven laboratories.