Cebrowski Institute Brown Bag

The Dual-Fuel Strategy: An Energy Transition Plan

Thursday, Jan 12 | Mechanical Engineering Auditorium | 1500 - 1600

Dr. William Ahlgren will discuss **The Dual Fuel Strategy**, a plan to facilitate the transition from fossil to renewable and nuclear sources by first replacing fossil with renewable fuels.

The strategy stipulates that all energy sources (fossil, renewable, and nuclear) will be most efficiently monetized by conversion to three energy vectors: electric, power and two liquid renewable fuels, all compatible with existing infrastructure, enabling global carbon emmisions to be reduced significantly early in the transition, perhaps by as much as an order of magnitude by 2030.

At completion of the transition, fossil sources will be replaced by renewable (and perhaps nuclear) sources.

Dr. William Ahlgren is an Associate Professor of Electrical Engineering at the California Polytechnic State University, San Luis Obispo. His degrees are B.S in Physics (MIT), M.S. in Energy Systems Engineering (University of Arizona), and Ph. D. in Electric Power Engineering with a thesis in Materials Science (USC). He is currently focused on the development of high-efficiency electrochemical energy conversion systems to promote the use of renewable energy.