

Publication List

Below is a partial list of recent publications and presentations as a result of the work carried under the auspices of the Energy Research Center.

“Electrical and CHP Efficiencies of a 1 MW University Fuel Cell Power Plant,” Proceedings of the 2009 ASME 3rd International Conference on Energy Sustainability, San Francisco, CA, July 19-23, 2009.

“Analysis and Design of a Manifolded Fume Hood Exhaust System to Minimize Energy Consumption in Two University Science Buildings,” published and presented at the 40th Heat Transfer and Fluid Mechanics Institute, Sacramento, CA, June 12, 2008.

“CSU Northridge – Design Clinic for Study of Fume Hood Exhaust Systems in Science 3 and 4 Buildings,” Final report submitted to DMJM Harris, Inc., for Project No.: 60018171, April 2008.

“Advanced Energy Projects at CSUN,” presented at San Fernando Valley Engineers Council Technical Conference, CSUN, February 27, 2009.

“Design and Performance of a Fuel Cell Plant Heat Recovery System,” Invited presentation at the 2008 International Colloquium on Environmentally Preferred Advanced Power Generation (ICEPAG), Newport Beach, California, January 30, 2008.

“Design and Performance of a Fuel Cell Plant Heat Recovery System,” published and presented at the ASME International Mechanical Engineering Congress and Exposition, Seattle, Washington, November 14, 2007.

“Performance Evaluation of the Fuel Cell Plant Heat Recovery System”, presented at Physical Plant Management’s 38th Annual Workshop, Northridge, CA, April 2, 2007.

“An Overview of CECS Energy Research Center,” presented at the CECS Advisory Board meeting, CSUN, November 2007.

“Case Studies of Collaboration among Facilities Management and Faculty/Students,” presented at the CSU Facilities Conference, Sacramento, CA, November 2007.

“Opportunities for Collaboration,” presented at California Energy Commission, Sacramento, CA, August 2007.

Aside from the above presentations and publications, a patent application titled “Barometric Thermal Trap (BaTT),” was filed with the US Patent and Trademark Office on 8/8/2007. The inventors are Mr. Tom Brown, Dr. Sidney Schwartz (CECS), and James Valiensi.