



Special Events for PSERC's Celebration of its First Decade

May 31-June 2, 2006
University of Wisconsin-Madison
[[announcement](#) | [registration form](#)]

At 10 a.m. on May 31, interested golfers will meet for a 9-hole golf tournament hosted by Fernando Alvarado. If want to join in, contact him at Alvarado@engr.wisc.edu.

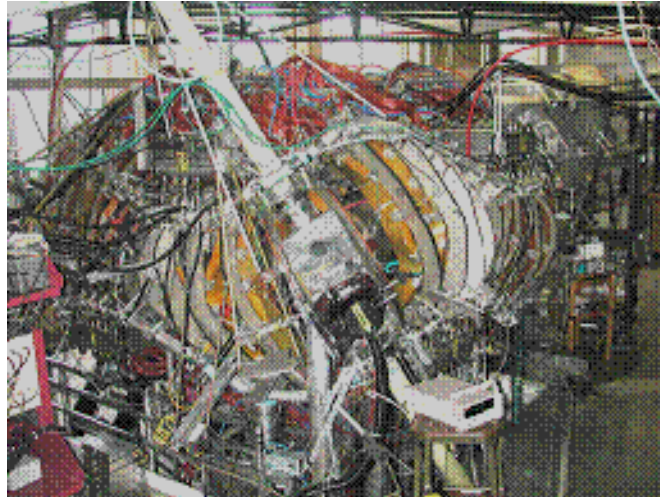
From 1-3 p.m. on May 31, there will be tours of the following College of Engineering facilities.

Nuclear Reactor Lab: The UW Nuclear Reactor is a research reactor primarily used for educational purposes (instruct students, train operators and perform scientific studies using the radiation present in the core). It is also used to educate the general public about the operations, equipment, and science of a nuclear reactor. Take a virtual tour at <<http://reactor.engr.wisc.edu>>.



Control Room of Nuclear Reactor

Plasma Energy Lab: HSX (the Helically Symmetric eXperiment) is a new concept in toroidal stellarators. It is the only device in the world that has a magnetic field structure termed Quasi-Helically Symmetric (QHS). Quasi-helically symmetric stellarators, to a good approximation, possess a direction of symmetry and therefore are topologically equivalent to a tokamak without plasma current.



HSX

Power Electronics Lab: The enabling nature of power electronics and its impact on factory automation, robotics, transportation, energy efficiency, electric automobiles, residential and commercial appliances, alternate energy and computers as well as other electronic equipment is increasingly providing important utility applications. The Wisconsin Electric Machines and Power Electronics Center (WEMPEC) has offered a power electronics and electric machines research and education program since the early 1980s. Tours will be given of the WEMPEC research and teaching labs. Student posters will be available.

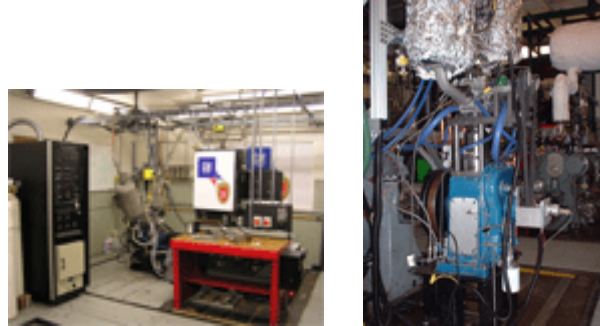


Grainger Teaching Lab



Research Lab

Wisconsin Engine Research Center: The Center conducts education in combustion engine research and fundamentals, to meet the important needs of the worldwide transportation industry, government and academia; provides research to meet the national goals of reduced emissions and reduced fuel consumption; and provides a national resource for information on combustion engine science and technology. A tour will be conducted of their experimental facilities that includes 8 engine test cells, equipped with electric dynamometers and speed controllers.



Gasoline and Diesel Engine Test Facilities

Thomas Edison Speaks: On June 1, during the poster session, we will celebrate Thomas Edison's inventive genius by having Edison himself give a short talk about his life and some of his 1,100 inventions including the phonograph, the motion picture projector, the practical incandescent light bulb, and the dc electric lighting system. The wizard of Menlo Park will then direct his technician to activate an 1880 Edison dynamo to power some carbon filament bulbs of the type that he invented. This antique Edison dynamo is on display in a glass case throughout the year in the lobby of the ECE Department. Hosted by [Professor Willis Tompkins](#).



Thomas Alva Edison



1880 Edison DC Dynamo



Dinner: Our Thursday night dinner will be on campus at Tripp Commons.

