



2009 WISCONSIN

## Renewable Energy Summit

Renewables, Sustainability, Energy Efficiency,  
Social Responsibility, and Green Energy Practices

## Green Transportation

## Session 12-4

**DATE:**

**THURSDAY, MARCH 26, 2009**

**Breakout Session 12-4:**

**Vehicle Education Programs**

**Time:**

**2:00pm – 3:45pm**

**Chair:**

Christopher Damm, MSOE

**Presenters:**

**Biodiesel Chemistry and Technical Education; EcoCar; Hybrid-electric**  
Ken Walz, Madison Area Technical College

This presentation will examine the chemistry, potential benefits, and technical aspects surrounding production and use of biodiesel fuel. Discussion will include results of recent emissions studies done by the National Renewable Energy Lab, and an overview of biodiesel education at Wisconsin Technical Colleges.

**EcoCar: The Next Challenge**  
UW Hybrid Vehicle Team reps

**Hybrid-electric vehicles**  
MSOE student reps

**Presenter Biographies:**

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**Ken Walz**

Ken Walz is a chemistry and engineering instructor at Madison Area Technical College. Dr. Walz received his Ph.D. in Environmental Chemistry and Technology from the University of Wisconsin-Madison, while conducting research on advanced lithium-ion battery technology. His scientific experience has included work on photo-induced charge transfer at the University of Rochester, and on hybrid technology at the National Renewable Energy Laboratory. At MATC, Dr. Walz serves as a project director for the Consortium for Education in Renewable Energy Technology (CERET) while teaching courses in biodiesel fuel and renewable energy for the developing world.