

# GLOBAL CLIMATE CHANGE:

# WHAT SCIENCE IS DOING TO SAVE THE PLANET

9/19/09 • 9 a.m.

1040 Fetzer Center • Western Michigan University



The symposium is a **National Science Foundation** sponsored event where faculty and staff will **describe Western Michigan University's ongoing research, education, and outreach activities** that define the effects of human-caused Global Climate Change, and that create new technologies to save us from what is commonly called the "*greatest environmental crisis civilized humans have ever faced.*"

The sessions will include **keynote speakers**, one each from the fields of **Biology, Chemistry, and Engineering**, as well as shorter talks that highlight additional work in areas including **increased health risks, storm water management, and new technologies** related to carbon sequestration, sustainable energy sources, and recycling.

## Keynote Speakers:

"The Heat is On: Global, National, and Regional Consequences of Climate Change," David Karowe, Professor of Biological Sciences, WMU

"Biofuels and our Future Energy," Steve Bertman, Professor of Chemistry at WMU

"Wind Powering Michigan," John Patten, Chair and Director of the Manufacturing Department and Research center, WMU

## Presentations by:

"The 'Gap' Between People's Environmental Concerns and Their Unsustainable Lifestyles," Harold Glasser, Associate Professor in Environmental Studies and the Environmental Institute, WMU

"Waste Reduction and Recycling," Carolyn Noack, Manager, Recycling and Waste Reduction, WMU

"Carbon Capture and Storage Technologies Related to Global Climate Change," Dave Barnes, Professor of Geosciences at WMU

"Hydrogen as an Alternative Fuel for the Future," Bade Shrestha

"Highway Stormwater Management," Hubo Cai, School of Civil Engineering and Division of Construction Engineering Management, Purdue

"Increased Toxicity and Health Effects from Global Climate Change Associated Extreme Rain Events in the Great Lakes Basin," Charles Ide, Director, Environmental Institute, WMU and Colin Brooks, Michigan Tech Research Institute

For more information call:  
(269) 387-5951



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