



2009 WISCONSIN

Renewable Energy Summit

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

Curriculum Prog./Course Design

Session #4-6

DATE:

Breakout Session 4-6

Time:

Session Moderator:

FRIDAY, MARCH 27, 2009

Putting Renewable Energy into the Curriculum

2:30pm - 4:15pm

David Stinnett, Milwaukee Area Technical College

How We Put Renewable Energy into the Curriculum: this would outline and demo our efforts at including renewable energy into student learning that we started 2 years ago.. We will provide samples of our instruction being presented by faculty and students... additionally as direct result of the renewable energy grant a student organization has been started at MATC where students will support MPS students with learning more on renewable energy. The president of the organization will briefly present a sample of peer teaching in renewable energy.

Presenters:

Conserving Energy in Business

Marcia Blackman, Amen Hadjinian MATC Service Learning
with student Soraya Terriquez

How Much CO₂?

Brenda Wingard-Haynes, Mark Yoeman, Todd La Butte, Kisha Lever

Business/IT Programming Development -

Creating a Buzzzzzz for Sustainability

Steve Burleson, Milwaukee Area Technical College

T&I/ Power Plant Engineering

Richard Curley, Milwaukee Area Technical College

Business/Visual Communication

Jonathan Meersman, Milwaukee Area Technical College

Electricity from Mud

Veronica Neumann, Milwaukee Area Technical College

Marketing Renewable Energy

Paul Redig, Milwaukee Area Technical College

History

Francisco Urbina, Milwaukee Area Technical College

See presenter
biographies
next page



2009 WISCONSIN

Renewable Energy Summit

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

Curriculum Prog./Course Design

Session #4-6

Presenter Biography:

David Stinnett

David Stinnett (MS) Associate Degree instructor at MATC Milwaukee . Obtained We Energies grant in 2006 to include renewable instruction into unit of instruction. Coordinated the grant which ended this December 2008. I have presented at numerous conferences in the past as well as workshops. Having been an educator for 25+ years I am able to present and organize my session of the presentation.

Marcia Blackman

Marcia Blackman serves as an AmeriCorps*VISTA (Volunteers in Service to America) at the Milwaukee Area Technical College Service-Learning Center. As a Service-Learning Coordinator she works with faculty to implement service-learning in classes to create more engaged and civic-minded students. She also facilitates faculty, student and community partnerships to promote effective service-learning.

Armen Hadjinian

Armen Hadjinian is a Business Administration adjunct instructor for MATC. His area of interest is in entrepreneurship and strategy. His business, the Armen Group, specializes in business development. He was a Citizen member of the Governor's Task Force on Global Warming, which presented its recommendations in 2008.

Soraya Terriquez

Soraya Terriquez is a student at Milwaukee Area Technical College, studying Business Administration. She developed a bi-lingual Service Learning project on energy conservation. She will be co-presenting with a member of the MATC Service Learning staff, Marcia Blackman, and her instructor, Armen Hadjinian.

Brenda Wingard-Haynes

I received a BBA from Iowa State University and an MS from University of Virginia in Chemistry. Working in a clinical research lab at Johns Hopkins University School of Medicine provided an opportunity to work with numerous chemicals, including radionuclides, and the complexity of their disposal. Over time, I have become increasingly interested in the consequences created by basic chemical reactions due to human activities. After leaving Johns Hopkins University, I began teaching chemistry to undergraduates in two year institutions including Howard Community College in Baltimore, Maryland and the College of DuPage in Glen Ellyn, Illinois. I have been teaching at Milwaukee Area Technical College in chemistry, biochemistry, and nutrition since 2004.

Steve Burleson

Steve Burleson is a Business Professional who spent 18 years working in the Telecommunications and Information Technology Consulting fields before joining MATC as a full-time instructor in 2001. Steve teaches sales, marketing, negotiation, eCommerce and a variety of business and leadership classes. Steve participates in the Faculty Advisory Boards for the eCommerce / Web Administration and Marketing Associate Degree Programs at MATC and speaks publicly on the topic of eBusiness as it relates to technology and societal transformation, he lives in Sussex, Wisconsin with his wife and two children.



2009 WISCONSIN

Renewable Energy Summit

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

Curriculum Prog./Course Design

Session #4-6

Presenter Biography:

Rich Curley

Rich Curley – I am an instructor at MATC south campus teaching Power Engineering. I teach a one credit class (renewable energy) that is part of the Pow-Eng program. I have been teaching 8 years. (4 years part time). Previously I worked at We-Energies for 26.5 years mainly as a mechanic and chief steward in various coal fired power plants. I have in depth knowledge of fossil fuel plants. I license about 100 people each year from low pressure boilers to chief engineers. I am passionate about renewable energy and would like to start a certificate program for installers at the Oak Creek campus soon. I purchase green power from We-Energies and encourage all my students to do the same.

Veronica Neumann

I teach Microbiology and a course on the history of infectious diseases at Milwaukee Area Technical College. Prior to my career in teaching, I was a Project Manager at PowderJect Diagnostics in Oxford, England for three years. Before moving to England I was a Research Assistant developing DNA-based vaccines at PowderJect Vaccines in Madison, Wisconsin. I received my M.S. in Microbiology from the University of Alabama, Tuscaloosa and a B.S. in Biology, also from the University of Alabama, Tuscaloosa.

Paul Redig

I earned a Masters in Continuing and Vocational Education and a BS in Agriculture Education from UW-Madison. I have been an Instructor and Instructional Chair in the Business Division at MATC in a career spanning over 33 years. In addition I taught High School Agribusiness for 5 years. Outside of MATC I have owned and managed a successful educational software and consulting business for over 20 years. I have been active in a variety of professional organizations serving on National and State Committees, Boards, and as President of the Wisconsin Association for Career and Technical Education.

Francisco A. Urbina

I am originally from Mexico, grew-up in Dallas, Texas; I am a graduate of UT-Arlington (BA) and UT-Austin (1972); and have elementary, middle school, and high school experience (K-12). I came to Milwaukee, Wisconsin in 1972 to work for Milwaukee Public Schools in a bilingual (Spanish/English) elementary schools curriculum writing project (1972 – 1977, CANBBE/the Curriculum Adaptation Network for Bilingual Bicultural Education) graduate work in Washington, D.C. (1980-1983), and worked in legislative issues as an intern for a National Hispanic Organization (LULAC). I have been teaching at MATC (since 1989) in the Pre-College Division (Basic Skills, GED, and Adult High School Program).