Recent Lectures/Professional Presentations:

Building for Social Responsibility Meeting (Burlington, VT, September 27, 2005)
Building Green in the Green Mountain State
Abstract: Building for Social Responsibility is a Vermont-based organization promoting green building practices. At each of their bi-monthly meetings they feature two "green" homes. This presentation covered the different green building techniques and materials used in the construction of the Letendre's new straw bale, solar heated home in Middletown Springs, VT.

SolarFest 2005 (Tinmouth, VT, July 17, 2005)
Incentives for Investments in Renewable Energy in the Northeast
Abstract: This presentation covered the different mechanism that state and federal governments can use to promote investments in energy efficiency and renewable energy systems. Mechanisms such as tax credits, direct subsidies (rebates), and net metering were discussed. Particular emphasis was given to specific incentive programs currently underway in northeastern states.

Seattle Electric Vehicle to Grid Forum (Seattle, WA, June 7, 2005)
Public-Private Strategies to Grow a V2G Industry in Washington State
Abstract: This presentation took place at a two-day event specifically focused on implementing a vehicle to grid demonstration project in Seattle, WA. The talk provided attendees first with an overview of the public benefits from connecting electric vehicles to the grid and provided suggestions on specific funding mechanisms to finance a V2G demonstration project.

Northeast Climate Conference (Burlington, VT, February 19, 2004)
Solar as a Greenhouse Gas Reduction Strategy on College Campuses: Technology and Applications
Abstract: This presentation was geared toward student activists looking to implement greenhouse gas reduction projects on their campus. The talk provided a general overview of solar thermal and solar electric technologies and how they could be deployed on college campuses to reduce greenhouse gas emissions.

International Solar Cities Congress (Daegu, South Korea, November 17, 2004)
PV Integrated Electric Drive Transit Buses: Toward a Sustainable Urban Transit System
Abstract: This presentation offered a new idea whereby solar electric cells are embedded on an electric transit bus. Currently, solar energy is not utilized for urban transportation applications. The proposed idea could help to integrate solar into an urban transit system.

Renewable Energy Vermont's 3rd Annual Conference (Burlington, VT, October 14, 2004)
The Value of Grid-Connected Solar Electricity in Vermont
Abstract: This presentation presented analysis of the value of grid-connected solar photovoltaic (PV) systems in Vermont. The general conclusion from the analysis was that values not economic value will drive the market for PV systems in Vermont. Although solar is extremely valuable from a social perspective, current market conditions make it not cost-effective for customers to invest in these systems. Thus, individuals with strong environmental values will be moving the market for PV in Vermont.

American Solar Energy Society's Annual Conference (Austin, TX, June 24-25, 2003)

Vehicle Integrated Photovoltaics: A Clean and Secure Fuel for Series Hybrid Electric Vehicles

Solar and Power Markets: Peak Power Prices and PV Availability for the Summer of 2002

Abstract: Two papers were delivered at the American Solar Energy Society's 2003 conference. The first presentation presented analysis on the potential for solar photovoltaic technology to be embedded on the body panels of hybrid electric vehicles. The analysis suggests that between 10%-30% of annual fuel requirements could be met with solar. The second paper relates to ongoing research matching peak power prices with the availability of the solar resources.

The Howard E. Woodin Colloquium Series, Middlebury College Environmental Studies Program (Middlebury, VT, October 10, 2002)

Distributed Energy Technologies: Economics, Environment, and the Policy Challenge

Abstract: The presentation included detailed assessments of the technical and economic status of various distributed energy technologies, including fuel cells, photovoltaic, wind, generator sets, and micro-turbines.