

Innovation for Our Energy Future



Join us for this "bonus" brown bag seminar, sponsored by the **National Renewable Energy Laboratory and** the U.S. Department of Energy. Each seminar is held at NREL's Washington office with a videoconferenc<u>e link</u> to Golden, Colorado. Topics focus on new and innovative renewable energy and energy analysis strategies, models, and technologies.



Energy Analysis Seminar Series

A "brown bag" analytical seminar series

Business Unusual: Expanding Domestic and International Clean Energy Markets

Daniel Kammen, Professor of Energy and Society University of California, Berkeley

Monday, September 20, 2004 Noon – 1 p.m. (in Washington, D.C.) 10 – 11 a.m. (videoconference in Golden, Colo.)



Daniel M. Kammen

In recent years, major advances in energy infrastructure have occurred through the dramatic evolution in efficiency and cost declines for a range of renewable energy technologies. These advances also are a result of an increased understanding of the ways to manage and facilitate energy markets. In his talk, Daniel Kammen will examine each of these issues through a new

"energy Gini" coefficient to track changes in access and productive use of energy. His presentation also will discuss the growth of solar, biomass, and wind technologies in a number of markets in both developed and developing nation economies. Kammen will show how these tools can be used to place energy policy in a wider context of economic development.

Daniel M. Kammen holds multiple appointments at the University of California, Berkeley. He is a professor in the Energy and Resources Group, professor in the Goldman School of Public Policy, and professor of Nuclear Engineering. He works on technical, social, and policy aspects of domestic and international energy and environmental policy. He also is the founding director of the Renewable and Appropriate Energy Laboratory (RAEL) at Berkeley. Kammen is the author of more than 120 journal publications, as well as several reports on renewable energy and development. He has a bachelor's in physics from Cornell University; and his master's and Ph.D. in physics are from Harvard University.

Golden, Colo., information

1829 Denver West Drive, Golden, Colorado Building 27, Conference Room 230 A/B

Please contact Lynne Fenn at lynne_fenn@nrel.gov or 303-384-7439

Washington, D.C., information

901 D Street SW (also the Aerospace Building, 370 L'Enfant Promenade), adjacent to the Forrestal Building

Please contact Wanda Addison at wanda_addison@nrel.gov or 202-646-5278

If you are interested in participating in the seminar via conference call, please contact Wanda Addison at wanda_addison@nrel.gov or 202-646-5278 for instructions.



For more information on NREL analysis, please visit the Web site at http://www.nrel.gov/analysis