

## Alan K. Meier

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### EDUCATION

Ph.D. in Energy and Resources, 1982. University of California, Berkeley. Dissertation title: "Supply Curves of Conserved Energy."

Graduate Work in Chemistry, 1975 – 1976. Departments of Chemistry, University of Pennsylvania and Ludwig Maximilian Universität (Germany).

B.A. Chemistry & Economics, 1974. University of California, Berkeley.

### WORK EXPERIENCE

*Senior Scientist and Principal Investigator.* (July 1982 – present) Lawrence Berkeley National Laboratory. Conducted and supervised research on topics related to energy efficiency, including low power modes, energy test procedures for appliances, and indicators of performance for commercial buildings. Developed techniques for collection, analysis, and display of regional electricity supply and consumption in real time. Developed data bases and procedures for estimating technical potentials for energy conservation, including supply curves of conserved energy. *Group Leader* (1990 - 1998). Supervised all activities of the Building Energy Analysis Group (about 25 people). Led research on energy-efficient buildings and equipment, mitigation of urban heat islands, and evaluation of efficiency programs.

*Senior Analyst in Energy Efficiency.* (November 2002 – August 2006) International Energy Agency, Paris, France. Responsible for developing and undertaking research projects, managing programs, and coordinating international activities related to energy efficiency policies and technologies. Major projects now underway include: "Saving electricity in a hurry", reducing standby power use in appliances, analysis of market barriers in the end use of energy, and reducing the off-test fuel consumption of motor vehicles.

*Consulting Professor.* (1987 and 1996) Department of Civil Engineering, Stanford University. Taught graduate and undergraduate courses. Supervised graduate research, including a Ph.D. dissertation. *Lecturer.* (1982 - present) Energy and Resources Group, University of California, Berkeley. Taught "Quantitative Aspects of Energy Conservation in Homes" and other energy-related courses. Supervise Masters theses.

*Editor-in-Chief.* *Energy and Buildings* (June 1983 - 2003). Review papers submitted for publication, obtain referees' comments, and shepherd papers through publication.

*Executive Editor.* (1984 - present) *Home Energy Magazine*. Founded magazine, write editorials, articles, and establish policies. Current member of Editorial Boards of *Energy—The International Journal*, *Journal of Asian Architecture and Building Engineering*, and *The Journal of Intertemporal Design*.

*National Science Foundation Fellow and Visiting Researcher*, Waseda University, Tokyo, Japan (1989-90). Participated in research on visual comfort and energy conservation.

*Consultant, Lecturer, Expert Witness.* (1974 - present) for the International Energy Agency, Australian Greenhouse Office, the World Bank, the US Federal Trade Commission, the Energy Efficiency and Conservation Agency of New Zealand, Jyukankyo Research Institute, and other institutions. Researched intermediate transport in Southeast Asian cities and rural transport in Turkey and Greece for the World Bank. Numerous invited speeches and lectures on energy conservation and transportation at major universities and institutions throughout the world.

### PUBLICATIONS

Wrote more than one hundred articles in books, refereed journals, magazines, and newspapers. Also established several web sites offering unique technical content related to standby power and real-time display of electricity supply and demand. Some recent publications are listed below:

Meier, A. (2005), "Standby: Where are we now?", *Proceedings of the 2005 ECEEE Summer Study*, European Council for an Energy Efficient Economy, Paris.

Olofsson, T., A. Meier and R. Lamberts (2004), "Rating the Energy Performance of a Building", *The International Journal of Low Energy and Sustainable Buildings*, Vol. 3.

International Energy Agency (2005), *Saving Electricity in a Hurry*, International Energy Agency, Paris. (N.B. I was the sole author of this book.)

Meier, Alan (2003), "The future of Energy Star and other voluntary energy efficiency programs", *Proceedings of the 2003 ECEEE Summer Study*, European Council for an Energy Efficient Economy, Paris.

Nordman, B. and A. Meier (2004), "Energy Consumption of Home Information Technology", Lawrence Berkeley National Laboratory LBNL-53500, Berkeley California.