

Mark D. Levine

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**Research**

- More than 200 publications and major presentations on energy efficiency policy; energy efficiency in buildings; and energy demand and energy efficiency policies in China

**Education**

- *Summa cum laude*, Princeton University
- Fulbright scholarship
- Woodrow Wilson Foundation scholarship
- PhD University of California, Berkeley

**Management**

- Head, Energy Analysis Department for 15 years, growing it from 20 staff to >100
- Director, Environmental Energy Technologies Division for 10 years (staff of 400)
- Founder and Leader, China Energy Group, a unique, long-term collaboration with China on energy efficiency policy, 1988-2012.
- Founding Director, U.S. – China Clean Energy Research Center – Building Energy Efficiency (CERC-BEE), 2010 - present

**Institution building**

- Leading role in creating the China Sustainable Energy Program of the Energy Foundation (working with Chair and President of the Packard Foundation)
- Co-creator of the Beijing Energy Efficiency Center (BECon)
- Founding Director of the Center for Resource Solutions at the Presidio of San Francisco
- Founding Director CERC-BEE

**Selected achievements in analysis of China energy policy**

- Assessment of energy efficiency policies in the 11<sup>th</sup> Five Year Plan
- Advice to Chinese government to re-create energy efficiency investment fund (now >\$1B/year) two years prior to implementation of fund
- Long-term energy scenarios for China, including presentations to Congressional staff, chair of environment committee of U.K. Parliament, FERC Chairman, Assistant Secretaries and equivalent in U.S. and China, and numerous public fora
- Assessment of policies and programs to reduce China's energy demand growth, 1980-2002

**Selected achievements on building and appliance energy efficiency in China**

- Led team that brought appliance efficiency standards to China
  - Current standards on 31 products will by 2020 save five times as much energy annually as the Three Gorges Dam (100 TWh) produces!
- Recent (2009-present) of building energy efficiency in China

- Policy recommendations for energy retrofit of buildings in N. China, many of which were adopted in 12<sup>th</sup> Five Year Plan
- Design of computer tool to estimate costs and energy savings for commercial building energy retrofits
- Management and technical oversight of collaborative research projects in the U.S. China Clean Energy Research Center-Building Energy Efficiency (CERC-BEE)

#### **Major awards**

- Recipient of the Obayashi Prize for contributions to urban sustainability
- Awarded the Appreciation Prize of the Japanese Institute of Architects for contributions to energy efficiency in buildings
- Recipient of the Public Service Award of the Federation of American Scientists
- Recipient of World Technology Award in the category of energy efficiency
- Inducted as a Senior Fellow of the California Council on Science and Technology – less than 150 scientists in California have been so honored

#### **Boards of Directors (current)**

- American Council for an Energy Efficient Economy, leading U.S. non-profit on energy efficiency
- California Clean Energy Fund, a non-profit venture capital fund chaired by President of California PUC
- Center for Clean Air Policy, leading non-profit specializing in international climate change policy

#### **Boards of Advisors (current)**

- U.C. Davis Energy Efficiency Center, the first academic research center devoted to energy efficiency
- Asia Pacific Energy Research Center, a multi-national energy analysis center located in Tokyo, Japan

#### **Editorial Boards of International Journals**

- Energy Policy (U.S)
- Building Research and Information (UK)
- IEEJ Transactions on Electrical and Electronic Engineering (Japan)
- Energies (Europe)

#### **International Contributions and Collaborations**

- Coordinating lead author chapter 4 (buildings), 4<sup>th</sup> IPCC assessment report (which received the Nobel Prize)
- Lead author, energy efficiency chapter in 3<sup>rd</sup> mitigation assessment report of the IPCC
- Convening lead author, human settlements chapter in 2<sup>nd</sup> mitigation assessment report of the Intergovernmental Panel on Climate Change (IPCC)
- Lead author of report of the World Energy Council on global prospects for energy efficiency
- Author on many briefings and publications on energy efficiency policies and programs in China

Dr. Levine graduated *summa cum laude* from Princeton University, earned a PhD from the University of California, and has been the recipient of a Fulbright scholarship and a Woodrow Wilson Fellowship.

For illustrative presentations and papers, see

<http://china.lbl.gov/news/dr-mark-levein-gives-presentation-at-2010-aceee>

<http://www.youtube.com/watch?v=qWJWjAa2yD4>;

<http://www.youtube.com/watch?v=8DSuEdet47g>;

<http://www.osti.gov/bridge/purl.cover.jsp?purl=/5161973-22XA0c/>

<http://china.lbl.gov/publications/greening-middle-kingdom%EF%BC%9A-story-energy-efficiency-china>

<http://china.lbl.gov/print/publications/energy-use-buildings-us-experience-and-lessons-china>

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