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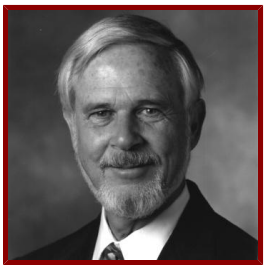

Gilbert Masters

Professor (Teaching) of Civil and Environmental Engineering, Emeritus

CONTACT INFORMATION

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Bio

BIO

GILBERT M. MASTERS

MAP EMERITUS PROFESSOR OF SUSTAINABLE ENERGY

B.S. (1961) AND M.S. (1962) UNIVERSITY OF CALIFORNIA, LOS ANGELES

PH.D. (1966) Electrical Engineering, STANFORD UNIVERSITY

Gil Masters has focused on energy efficiency and renewable energy systems as essential keys to slowing global warming, enhancing energy security, and improving conditions in underserved, rural communities. Although officially retired in 2002, he has continued to teach CEE 176A: Energy-Efficient Buildings, and CEE 176B: Electric Power: Renewables and Efficiency. He is the author or co-author of ten books, including Introduction to Environmental Engineering and Science (3rd edition, 2008), Renewable and Efficient Electric Power Systems, (2nd edition, 2013), and Energy for Sustainability: Technology, Policy and Planning (2nd edition, 2018). Professor Masters has been the recipient of a number of teaching awards at Stanford, including the university's Gores Award for Excellence in Teaching, and the Tau Beta Pi teaching award from the School of Engineering. Over the years, more than 10,000 students have enrolled in his courses. He served as the School of Engineering Associate Dean for Student Affairs from 1982-1986, and he was the Interim Chair of the Department of Civil and Environmental Engineering in 1992-93.

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Civil and Environmental Engineering
- Affiliate, Precourt Institute for Energy
- Affiliate, Stanford Woods Institute for the Environment

Publications

PUBLICATIONS

- **Defining a Standard Metric for Electricity Savings** *Conference on Physics of Sustainable Energy II - Using Energy Efficiently and Producing It Renewably*

Koomey, J., Akbari, H., Blumstein, C., Brown, M., Brown, R., Budnitz, R., Calwell, C., Carter, S., Cavanagh, R., Chang, A., Claridge, D., Craig, P., Diamond, et al

AMER INST PHYSICS.2011

- **Defining a standard metric for electricity savings** *ENVIRONMENTAL RESEARCH LETTERS*

  Koomey, J., Akbari, H., Blumstein, C., Brown, M., Brown, R., Calwell, C., Carter, S., Cavanagh, R., Chang, A., Claridge, D., Craig, P., Diamond, R., Eto, et al

  2010; 5 (1)

- **Energy: Exploiting wind versus coal** *SCIENCE*

  Jacobson, M. Z., Masters, G. M.

  2001; 293 (5534): 1438-1438

- **A MECHANISM TO RECONCILE EQUITY AND EFFICIENCY IN GLOBAL CLIMATE PROTECTION - INTERNATIONAL CARBON EMISSION OFFSETS** *AMBIO*

  Swisher, J., Masters, G.

  1992; 21 (2): 154-159

- **BUYING ENVIRONMENTAL INSURANCE - PROSPECTS FOR TRADING OF GLOBAL CLIMATE-PROTECTION SERVICES** *CLIMATIC CHANGE*

  Swisher, J. N., Masters, G. M.

  1991; 19 (1-2): 233-240