Daniel G. Nocera
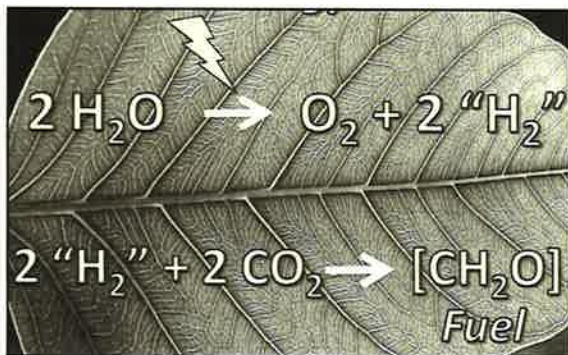*Department of Chemistry
and Chemical Biology
Harvard University*

"The Sustainocene and Global Energy Challenge"

Thurs., March 6, 2014 • 8:00 p.m.
Science Center Auditorium
Reception at 7:00 p.m.

$$2 H_2O \rightarrow O_2 + 2\ "H_2"$$

$$2\ "H_2" + 2 CO_2 \rightarrow [CH_2O]\ Fuel$$

AUBURN—ACS Section

The Auburn Section of the American Chemical Society would like to welcome members, friends, and supporters to the twenty-ninth annual Auburn-G.M. Kosolapoff Lecture and Award Ceremony. This award has been established to honor outstanding and distinguished scientists of international reputation.

This year the Executive Council of the Auburn Section has selected Dr. Daniel G. Nocera from Harvard University as the twenty-ninth recipient of this Award for scientific achievement.

Professor Nocera is well known for his studies of the basic mechanisms of energy conservation in biology and chemistry. This work has allowed him to investigate physical and chemical issues of pertinence to clean and renewable energy. His research is directed toward solving important societal problems; the greatest of which is the delivery of a carbon-neutral and sustainable energy supply for the 21st century.

It is our hope that these annual lectures by outstanding scientists will stimulate scientific awareness, thought, and discussion in the East Alabama area. In this and future presentations, we look forward to your participation.

Edward J. Parish
*Chairman,
The Auburn-G. M. Kosolapoff Award Committee*

Daniel G. Nocera

Daniel G. Nocera is the Patterson Rockwood Professor of Energy at Harvard University. He is widely recognized in the world as a leading researcher in renewable energy. His group has pioneered studies of the basic mechanisms of energy conversion in biology and chemistry.

His contributions to the development of renewable energy have been recognized by a number of awards, some of which include the Eni Prize, IAPS Award, Burghausen Prize, Elizabeth Wood Award and the United Nation's Science and Technology Award and from the American Chemical Society, Harrison Howe and Remsen Awards. He is a member of the American Academy of Arts and Sciences, the U.S. National Academy of Sciences and the Indian Academy of Sciences. Before joining Harvard, Nocera began his career at Michigan State University, where he was a University Distinguished Professor and then was on the faculty of MIT where he was the Henry Dreyfus Professor of Energy. He earned his B.S. degree at Rutgers University and his Ph.D. at Caltech. Nocera has mentored 120 Ph.D. graduate and postdoctoral students, published over 350 papers, given over 750 invited talks and 80 named lectureships. In 2008, he founded Sun Catalytix, a company committed to bringing personalized energy to the non–legacy world.

Past Recipients of the Award

1986 – William N. Lipscomb, Harvard University

1987 – Herbert C. Brown, Purdue University

1988 – Michael J. S. Dewar, University of Texas at Austin

1989 – Donald J. Cram, University of California at Los Angeles

1990 – Henry Taube, Stanford University

1991 – Derek H. R. Barton, Texas A&M University

1992 – Allen J. Bard, University of Texas at Austin

1993 – Richard E. Smalley, Rice University

1994 – Dudley R. Herschbach, Harvard University

1995 – William von Eggers Doering, Harvard University

1996 – Rudolph A. Marcus, California Institute of Technology

1997 – Mario J. Molina, Massachusetts Institute of Technology

1998 – Richard N. Zare, Stanford University

1999 – Jacqueline K. Barton, California Institute of Technology

2000 – Josef Michl, University of Colorado

2001 – Harry B. Gray, California Institute of Technology

2002 – Ahmed H. Zewail, California Institute of Technology

2003 – John D. Roberts, California Institute of Technology

2004 – Kenneth N. Raymond, University of California at Berkeley

2005 – Ronald Breslow, Columbia University

2006 - Kyriacos C. Nicolaou, Scripps Research Institute

2007 - Robert H. Grubbs, California Institute of Technology

2008 - Barry M. Trost, Stanford University

2009 - Koji Nakanishi, Columbia University

2010 - Robert H. Crabtree, Yale University

2011 - Eric N. Jacobsen, Harvard University

2012 - Thomas J. Meyer, University of NC at Chapel Hill

2013 - Ei-ichi Negishi, Purdue University