

ANNOUNCES

21ST CENTURY CHEMISTRY: FUEL FROM SUNLIGHT AND WATER



Dr. Harry B. Gray
Beckman Professor
of Chemistry, California
Institute of Technology

**THURSDAY
MARCH 13,
2003**

11:45 A.M.

**VON KÁRMÁN
AUDITORIUM**

Membership in the Caltech Management Association is open to JPL and Caltech employees and contractors for \$10 per year. Join now for Fiscal Year 2003 by contacting Priscilla Fraschetti, (818)354-4964, JPL Mail Stop 264-255.

One of the toughest problems for 21st Century science is making fuel — safe, clean, affordable, and renewable fuel. Developing such an energy source would change the world forever. Burning of precious hydrocarbons, emissions of greenhouse gases, and dependence on unstable production sources would all be dramatically reduced. Spectacular advances in chemistry have shown us the way to use sunlight to split water into clean hydrogen fuel. Come join us and hear Dr. Harry Gray shed light on solar cells and solar paints that might one day allow you to obtain electricity from the paint on your house or car!

Illuminating the current state of affairs and future prospects of this research will be Dr. Harry Gray, the Arnold O. Beckman Professor of Chemistry and Founding Director of the Beckman Institute. Professor Gray has been at Caltech for 36 years, where his interdisciplinary research program addresses a wide range of fundamental problems in inorganic chemistry, biochemistry, and biophysics.

This CMA event is free. All JPL/Campus personnel are welcome.

For more information about this event, please send e-mail to CMA.Announce@jpl.nasa.gov or call Michael Eastwood, (818)354-9273.