

Science Today

Presentations for general science audiences

Tuesday, October 7, 1:05 PM

*** Campus Center Auditorium, rm. 118 ***

Pre-presentation social gathering, 12:55 PM

Speaker: Akiko Fillinger
Dept. of Chemistry, Ithaca College

“Solar Energy -- Answer to the Single Most Important Technological Challenge”



At a recent workshop on critical research directions on conversion of solar energy to electricity and fuels in August 2008 at Boulder, Colorado, I was inspired by a keynote speech by Professor Nathan Lewis of California Institute of Technology, a chemist famous for his solar power research. I will share his clear message: solar energy technology is the most critical among alternative energy resources to save our civilization, and his strategies with the audience. In addition, I will explain the current status of the technologies related to solar energy utilization.

Dr. Fillinger received her B.S. in Chemistry from Portland State University in Portland, Oregon, where she became interested in chemical solar-to-electricity conversion under the guidance of Professor Carl Wamser. At Colorado State University in Fort Collins, Colorado, she studied dye sensitized nanocrystalline TiO₂ solar cells with Professor Bruce Parkinson and received a Ph.D. in analytical chemistry. After post-doc experience on nanoscale atmospheric chemistry at Harvard University in Cambridge, Massachusetts, she taught at Grinnell College in Iowa for a year. Since then she has taught at Ithaca College. Her group's current research interests are (1) solar hydrogen generation from water and (2) analysis of our lab-made biodiesel toward accreditation.

Science Today is sponsored by the Science Planning Committee, the College of Liberal Arts & Sciences, and Sigma Xi.
Persons with disabilities needing accommodations to attend this event should contact
Dr. Paul Tomascak at x2786 in advance.

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