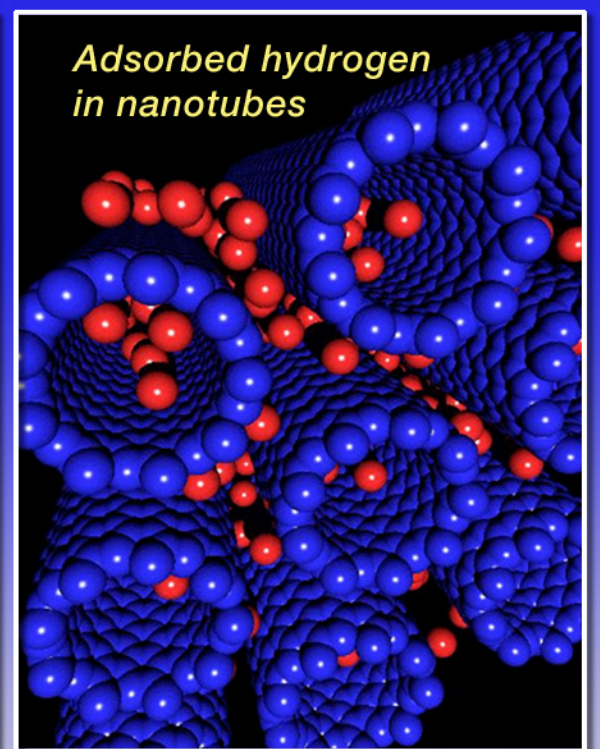
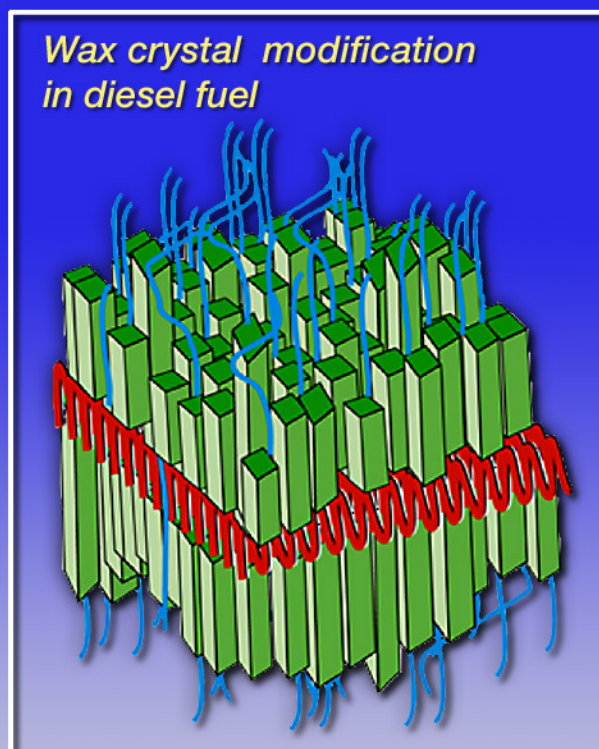
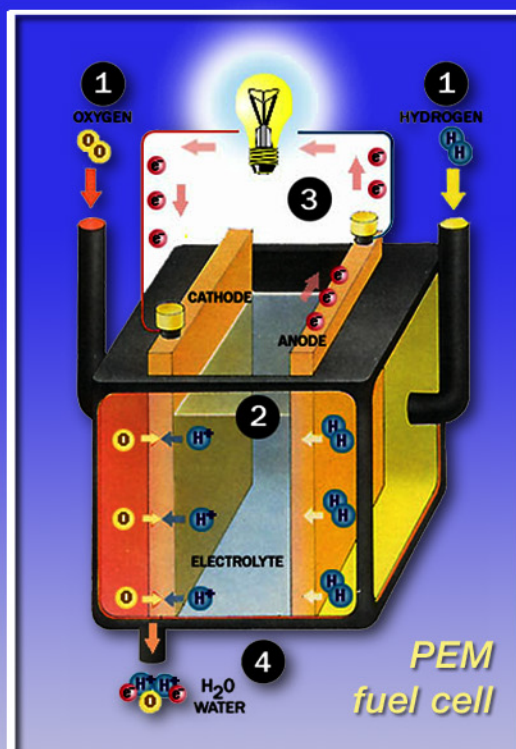


Neutrons & Energy for the Future

June 4–5, 2004 • Washington, D.C • Renaissance Hotel

Significant challenges are ahead to identify reliable and economic sources of energy in the United States and throughout the world that can be produced in the needed quantity without increasing pollution. Basic research will make an important contribution by providing understanding that will both expand the available options in technological approaches and identify new concepts. Neutrons offer unique opportunities to achieve the needed understanding of materials structures and properties. Broadening knowledge among researchers and policy makers of these opportunities is important. Several recent reports have identified the specific directions for research on "clean energy." This workshop will cover targeted areas, focusing on potentially high-impact research opportunities for using neutrons as tools. Topics to be covered include:

- fuel cells, advanced batteries, and catalysis;
- applications of complex fluids in energy;
- hydrogen storage;
- hydrogen in metals;
- materials issues in fusion reactors
- energy foresight studies



The workshop is a satellite event of the 2nd American Conference on Neutron Scattering, and is organized by the UT/ORNL Joint Institute for Neutron Sciences (JINS) and NMI3, the Neutron Scattering and Muon Spectroscopy Integrated Infrastructure Initiative. NMI3 is a European Union Framework 6 Program.

Speakers *Invited

W. Goodman, Texas A&M Univ., USA
T. Yildirim, NIST, USA
S. Haile, Caltech, USA
F. Mulder, TU-Delft, NL
J. Eckert, UCSB and Los Alamos, USA
D. Richter, FZ-Juelich, DE
R. Prud'homme, Princeton Univ., USA
T. Holden, CA
P. Dehmer, DOE, USA
J. Eberhardt, DOE, USA

L. Horton, Oak Ridge, USA
C. Hebling*, Inst. for Solar Energy, DE
H. Kuipers*, Royal Dutch Shell, NL
M. Darensbourg*, Texas A&M Univ., USA
L. Cranswick, NRC, CA
K. Ross*, Salford Univ., UK
K. Yvon, Univ. Geneva, CH
H. King, ExxonMobil, USA
C. Rubbia*, ENEA, IT

Contacts

Lee Magid, Imagid@utk.edu, 865-974-4229
Flavio Carsughi, F.Carsughi@alisf1.univprn.it

Local Contact

Al Ekkebus, ekkebusae@sns.gov, 865-241-5644

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Scientific Organizing Committee

S. Sinha - UC-San Diego, USA
J. Eckert - UC-Santa Barbara and
Los Alamos National Lab, USA
E. Kaler - Univ. Delaware, USA
J. Zwanziger - Dalhousie Univ., CA
L. Horton - Oak Ridge
National Laboratory, USA
T. Egami - Tennessee/Oak Ridge
National Laboratory, USA

L. Magid - Tennessee/Oak Ridge
National Laboratory, USA
F. Carsughi - U. Politecnica della Marche, IT
K. Clausen - Paul Scherrer Institute, CH
D. Richter - FZ-Juelich, DE
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