

Neutrons & Energy for the Future
Washington Renaissance Hotel, Washington, D.C.
June 4-5, 2004

(see <http://www.sns.gov/jins/nmi3> for additional information)

Friday, June 4, AM		
Overview/stage-setting session		
7:30 AM	Registration opens	
8:30 AM	Welcoming remarks	
8:45 AM	Linda Horton (ORNL, USA)	New Materials for Global Energy Needs
9:30 AM	Mildred Dresselhaus (MIT, USA)	Basic Research Needs for the Hydrogen Economy
10:15 AM	coffee break	
10:40 AM	Robert Krakowski (PSI, CH)	Global Energy Landscape
Funding perspectives:		
11:20 AM	Dr. Patricia Dehmer (Director, Basic Energy Sciences, DOE Office of Science)	Basic Research Needs, Energy for a Secure Future and for the Hydrogen Economy
11:50 AM	Dr. Camden Hubbard (ORNL, USA)	Materials Needs in EERE
12:20PM – Lunch provided		
Friday, June 4, PM		
First topical session: H ₂ economy, fuel cells and batteries		
2:00 PM	Raj Choudhury (General Motors)	GM's Perspective on the Hydrogen Economy
2:30 PM	James Jorgensen (Argonne, USA)	Ceramic membranes
3:00 PM	Taner Yildirim - (NIST, USA)	Proton diffusion, fuel cells
3:30 PM	Break	
4:00 PM	Sossina Haile - (Cal Tech, USA)	Fuel cells
4:30 PM	Fokko Mulder (TU Delft, NL)	Solar cells
5:00 PM	Y. Andreev, (St. Andrews, UK)	Batteries
5:30–7:00 PM	Poster Session with heavy hors d'oeuvres	

Saturday, June 5, AM		
Topical session – Catalysis and H ₂ storage		
9:00 AM	Wayne Goodman (Texas A&M)	Catalysis
9:30 AM	Juergen Eckert, (UC-Santa Barbara and LANL, USA)	Overview of materials for H ₂ storage; H ₂ storage in porous materials
10:20 AM	Coffee break	
10:50 AM	Keith Ross (Salford, UK)	Metal hydrides
11:25 AM	Klaus Yvon (Geneve, CH)	H ₂ in novel solid-state metal hydrides
12:00 Noon	Lunch	
Saturday, June 5, PM		
Topical session: Soft matter, Transmutations, H ₂ in materials, Fusion/spallation materials		
1:30 PM	Hubert King (Exxon, USA)	Organo-clay suspensions
2:00 PM	Dieter Richter (Juelich, D)	Wax crystal modification
2:30 PM	Robert Prud'homme, (Princeton, USA)	Polymers/wax crystals
3:00 PM	Break	
3:30 PM	Lachlan Cranswick and John Root (NRC, Canada)	H ₂ in materials
4:00 PM	Tom Holden (Northern Stress Technologies, Canada; LANL, USA)	Fusion/Spallation Materials
4:30 PM	Dominique Warin, invited (CEA-Saclay, FR)	Transmutations
5:00 PM	Conference summary and Adjourn	

May 1, 2004