Sunday, August 20, 2006		
12:00 pm onward	Check in at Manzanita Village	
5:30 pm to 7:30 pm	Reception and Registration at Lagoon Plaza, University Center	
Monday, August 21, 2006 – Multicultural Center Theater		
7:30 am to 8:30 am	Breakfast at Carrillo Dining Commons	
8:00 am to 8:45 am	Registration at Multicultural Center Theater	
8:45 am to 9:15 am	Opening Session	
9:15 am to 10:00 am	Invited: M. Dresselhaus, "Basic Research Needs for the Hydrogen Economy"	
10:00 am to 10:20 am	Break	
10:20 am to 11:05 am	Invited: L. Schlapbach, A. Zuttel, "Hydrogen Storage for Mobility, a Challenge for Materials Science and Technology"	
11:05 am to 11:50 am	Invited: M. Grätzel, A. Kay, I. Cesar, "Solar Generation of Hydrogen from Water in Tandem Cells using nanostructured $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> Films"	
12:00 pm to 1:00 pm	Lunch at the De La Guerra Dinning Commons (served from 12-1:00 pm)*	
2:00 pm to 2:45 pm	Invited: <u>C.M. Jensen</u> "Advanced Complex Hydrides: Development and Fundamental Studies of Promising New Hydrogen Storage Materials"	
2:45 pm to 3:30 pm	Invited: O. Løvvik, S.M. Opalka, "Density-functional Calculations of New Alanates"	
3:30 pm to 3:50 pm	Break	
3:50 pm to 4:10 pm	Contributed: M. Van Setten, G.A. de Wijs, G. Brocks, "Complex Metal Hydrides: Trends in Formation Enthalpy"	
4:10 pm to 4:30 pm	Contributed: <u>A. Peles</u> , C. Van de Walle, "Hydrogen-related Defects in Sodium Alanate"	
4:35 pm to 5:20 pm	Invited: <u>G. Pez</u> , A. Cooper, B. Toseland, K. Campbell, "Hydrogen Storage in the Context of a Liquid Carrier Infrastructure"	
5:30 pm to 6:30 pm	Dinner at the Carrillo Dining Commons*	
Tuesday, August 22, 2006 – Multicultural Center Theater		
7:30 am to 8:30 am	Breakfast at Carrillo Dining Commons	
8:30 am to 9:15 am	Invited: M. Darensbourg, "Biomimetic Hydrogen Production"	
9:15 am to 10:00 am	Invited: A. Melis, "Issues in Photobiological Hydrogen Production"	
10:00 am to 10:20 am	Break	

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 $<sup>^{\</sup>ast}$  Breakfast, lunch and dinner arrangements are for participants holding meal cards.

10:20 am to 11:05 am	Invited: <u>C. Read</u> , G. Ordaz, G. Thomas, S. Satyapal, "Materials Issues in Hydrogen Storage and Production: Recent Developments in the US Department of Energy's R&D Portfolio"	
11:05 am to 11:50 am	Invited: <u>J. K. Johnson,</u> S.V. Alapati, B. Dai, J. Liu, D.S. Scholl, "Atomistic Simulation of Hydrogen Storage in Metal Hydrides and Nanoporous Sorbents"	
12:00 pm to 1:00 pm	Lunch at the De La Guerra Dinning Commons (served from 12-1:00 pm)	
2:00 pm to 2:45 pm	Invited: Z. Xiong, G. Wu, J. Hu, Y. Liu, <u>P. Chen</u> , "Development of Metal-N-H Systems for Hydrogen Storage"	
2:45 pm to 3:30 pm	Invited: <u>F. Pinkerton,</u> G. Meisner, M.S. Meyer, M.P. Balogh, "New Li-B-N-H Quaternary Hydride"	
3:30 pm to 3:50 pm	Break	
3:50 pm to 4:20 pm	Invited: <u>W. Kohn,</u> "Remarks on Immediate Energy Challenges"	
4:20 pm to 5:15 pm	Film: "The Power of the Sun" (Executive Produced: W. Kohn; Host and Narrator: John Cleese)	
5:30 pm to 6:30 pm	Dinner at the Carrillo Dining Commons	
Wednesday, August 23, 2006 – Multicultural Center Theater		
7:30 am to 8:30 am	Breakfast at Carrillo Dining Commons	
8:30 am to 9:15 am	Invited: M. Henderson, "Photochemistry on Single Crystal TiO₂ Surfaces"	
9:15 am to 10:00 am	Invited: A. Kudo, "Visible-light-driven Photocatalyst Materials for Water Splitting"	
10:00 am to 10:20 am	Break	
10:20 am to 11:05 am	Invited: <u>J. Norskov</u> , "Hydrogen Production and Storage by Catalysis"	
11:05 am to 11:50 am	Invited: <u>E. McFarland,</u> "New Materials for Photoelectrocatalytic Production of Hydrogen From Sunlight"	
12:00 pm to 1:00 pm	Lunch at the De La Guerra Dinning Commons (served from 12-1:00 pm)	
2:00 pm to 5:15 pm	Poster Session at the State Street and Harbor Rooms, University Center Ground Floor	
6:00 pm to 8:30 pm	Banquet Dinner at the Lagoon Plaza, University Center	
Thursday, August 24, 2006 – Multicultural Center Theater		
7:30 am to 8:30am	Breakfast at the Carrillo Dining Commons	
8:30 am to 9:15 am	Invited: P. Jena (Virginia Commonwealth), "Materials for Hydrogen Storage: From Nanostructures to Complex Hydrides"	
9:15 am to 10:00 am	Invited: N. Hess, J. Linehan, W. Shaw, D. Camaioni, A. Stoew, M. Gutowski, <u>T. Autrey</u> , "Chemical Hydrides: Amine Boranes"	
10:00 am to 10:20 am	Break	

10:20 am to 11:05 am	Invited: <u>D.M. Heinekey</u> , K. I. Goldberg, D. Mery, B. Dietrich, T.J. Hebden, "Efficient Catalysis of Amineborane Dehydrogenation"	
11:05 am to 11:25 am	Contributed: N. Dalal (Florida State U.), "Dielectric, NMR and Raman Studies of Hydrogen-bonded, Hydrogen-Storage Materials"	
11:25 am to 11:45 am	Contributed: <u>C. Miranda</u> , G. Ceder, "Ab-initio investigation of Ammonia-Borane complexes for hydrogen storage	
12:00 pm to 1:00 pm	Lunch at the De La Guerra Dinning Commons (served from 12-1:00 pm)	
2:00 pm to 2:20 pm	Contributed: <u>T. Czujko</u> , R. Varin, E. Wasmund, Z. Wronski, "Recent Advances in the Improvement of Hydrogen Desorption Properties of MgH <sub>2</sub> "	
2:20 pm to 2:40 pm	Contributed: M.J. van Setten, <u>G. de Wijs</u> , G. Brocks, "Transition metal doping in LT Mg <sub>2</sub> NiH <sub>4</sub> : DFT study of the energetic and optical changes"	
2:40 pm to 3:00 pm	Contributed: M. Jones, W. David, S. Johnson, D. Gregory, C. Jewell, A. Walton, P. Edwards, "A Non-Stoichiometric Mechanism for the Lithium Amide/ Imide Hydrogen Storage Reaction"	
3:00 pm to 3:20 pm	Contributed: <u>J. Germain</u> , J. Fréchet, F. Svec, "High Surface Area Nanoporous Polymers for Reversible Hydrogen Storage"	
3:30 pm to 3:50 pm	Break	
3:50 pm to 4:35 pm	Invited: <u>J. Turner</u> , T. Deutsch, J. Leisch, "Semiconductor Materials and Tandem cells for Photoelectrochemical Hydrogen Production: GaP <sub>1-x</sub> N <sub>x</sub> and Cu(In,Ga)(Se,S) Systems"	
4:35 pm to 5:20 pm	Invited: <u>J. Vohs</u> , "Novel Approaches for the Electrolysis of Water in Solid Oxide Electrolyzers"	
5:30 pm to 6:30 pm	Dinner at Carrillo Dining Commons	
Friday, August 25, 2006 – Multicultural Center Theater		
7:30 am to 8:30 am	Breakfast at Carrillo Dining Commons	
8:30 am to 9:15 am	Invited: O. Yaghi, "7.5% wt Hydrogen Storage in Metalorganic Frameworks"	
9:15 am to 10:00 am	Invited: <u>S. Zhang</u> , Y. Zhao, Y.H. Kim, A. Williamson, A.C. Dillon, M.J. Heben, "Nanostructured Materials for Room-Temperature Reversible Hydrogen Storage: A First-Principles Study"	
10:00 am to 10:20 am	Break	
10:20 am to 10:40 am	Contributed: P. Forster, J. Eckert, J.S. Chang, A.K. Cheetham, J.B. Parise, "It's not just surface area; The role of chemistry in determining hydrogen uptake in porous systems"	
10:40 am to 11:00 am	Contributed: <u>T. Baumann</u> , J. Satcher Jr., H. Kabbour, C. Ahn, "Metal-Loaded Carbon Aerogels for Hydrogen Storage"	
11:00 am to 11:20 am	Contributed: Y. Gogotsi, "Tailored Nanoscale Porosity in Carbide-Derived Carbons: Optimization for High Capacity Hydrogen Storage"	
11:20 am to 11:40 am	Contributed: <u>D. P. Serran</u> o, J.A. Botas, R. Gui-López, "CO <sub>2</sub> -free hydrogen production by catalytic CH <sub>4</sub> decomposition using carbon materials as catalysts: Preliminary studies of the control of the morphology of produced carbon"	

12:00 pm to 1:00 pm	Lunch at the De La Guerra Dinning Commons (served from 12-1:00 pm)	
2:00 pm to 2:45 pm	Invited: E. Wachsman, "Hydrogen Production With Mixed Protonic-Electronic Conducting Perovskite Membranes"	
2:45 pm to 3:30 pm	Invited: <u>G. Kubas</u> , J. Cross, M. Schlaf, B. Scott, "Synthesis, Structure, and Bonding Aspects of the Reversible Binding of Dihydrogen to Materials for Hydrogen Storage and Production"	
3:30 pm to 4:00 pm	Break	
5:30 pm to 6:30 pm	Dinner at De La Guerra Dinning Commons	
Saturday, August 26, 2006 – Free Day		
7:30 am to 8:30am	Breakfast at Carrillo Dining Commons	
8:30 am to 12:00 pm	Checkout must be completed by 12:00 PM	