

# MH2006

## INTERNATIONAL SYMPOSIUM ON METAL-HYDROGEN SYSTEMS FUNDAMENTALS AND APPLICATIONS

October 1-6, 2006 Lahaina, Maui, Hawaii

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### AIM OF THE SYMPOSIUM

MH2006 will provide a forum for international scientists to present and discuss new results and ideas concerning the fundamentals and applications of hydrogen interactions with metals and other materials. This symposium should help further the progress of hydrogen-based science and thus aid in future worldwide technological advances concerning energy and the environment.

### Symposium Co-Chairs:

R. C. Bowman, Jr. C. M. Jensen T. J. Udovic

### USA Organizing Committee:

C. Ahn	M.S. Conradi	G. Sandrock	J. Wegrzyn
D.L. Anton	M.-Y. Chou	W. Tumas	J.-C. Zhao
T. Autrey	S. W. Jorgensen	J.C. Wang	R. Zidan

E-mail: [MH2006@nist.gov](mailto:MH2006@nist.gov)

Symposium Website: <http://www.ncnr.nist.gov/MH2006>

### Deadlines:

March 15, 2006	Abstract Submission
June 01, 2006	Reduced Registration Fee
September 1, 2006	Paper Submission

- Surface and interface effects
- Reaction kinetics
- Hydrogen diffusion, tunneling, and trapping
- Crystal structures, H-induced transformations
- Thermodynamics, phase diagrams
- Optical, magnetic, and electronic properties
- Isotopic phenomena, including muons

### International Steering Committee:

E. Akiba	Japan	A. Percheron-Guégan	France
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R. Kirchheim	Germany		
J.Y. Lee	Korea		
Y.Q. Lei	China		
M.H. Mintz	Israel		
D. Noréus	Sweden		

### Honorary Members:

H. Ishikawa	Japan
F. Lewis	UK
G. Sandrock	USA

### Symposium Topics:

- New absorbers – properties and phenomena
- Thin films, nanocrystalline, amorphous, cluster, and composite materials
- H in non-metal materials
- Ni/MH batteries, fuel cells
- H<sub>2</sub> gaseous, thermal, and catalytic applications
- H processing of materials