



INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

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**I<sup>2</sup>CNER INTERNATIONAL WORKSHOP**  
**HYDROGEN STORAGE: LOOKING INTO THE INSIDE**  
**HYDROGEN STORAGE RESEARCH DIVISION**

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**DATE: WEDNESDAY, FEBRUARY 4, 2015**

**TIME: 13:00 – 16:40**

**VENUE: I<sup>2</sup>CNER HALL C**

**SCHEDULE:**

Speaker	Time	Title
Prof. Etsuo Akiba	13:00-13:10	Opening Remarks
Dr. Michael Felderhoff	13:10-14:00	Complex Metal Hydrides for Hydrogen and Heat Storage –Do We Understand the Molecular Processes?
Dr. Minghui Yang	14:00-14:30	Mesoporous Metal Nitrides for Energy Application
Prof. Toshiya Otomo	14:30-15:00	Studies of Atomic Structure of Hydrogen Materials with Neutron Scattering Technique
	15:00-15:20	Coffee Break
Dr. Kazutoshi Miwa	15:20-15:50	Theoretical Study on Hydrogen Storage Arrays
Prof. Hai-Wen Li	15:50-16:10	Synthesis and Thermal Decomposition Behavior of Alkali Metal Dodecaborate $M_2B_{12}H_{12}$
Dr. Emami Hoda	16:10-16:30	Investigating the Effect of Grain Size and Plastic Deformation Level on the Thermodynamics and Kinetics of Hydrogenation Reaction in TiFe
Prof. Zenji Horita	16:30-16:40	Closing Remarks

**CHAIR: ASST. PROF. HUAIYU SHAO**