## This symposium was organized

## by Innovative Energy Research Center of IFS and Collaboration Research Centers and Facilities of IMR

## OS1: The Sixth International Symposium on Innovative Energy Research I: =Advanced Materials and its Energy Application=

	SV 11	
Chair:Seiji Samukawa		
14:00-14:15		
OS1-1	Energy-Material Project in World Leading Research Center	pp.
	Shin-ichi ORIMO and Seiji Samuakwa (Tohoku Unversity, Japan)	
14:15-15:00		
OS1-2	Hydrogen Energy Applications Developed in Taiwan (Invited Talk)	
	<u>Chao-Ho Lan</u> and Der-Ray Huang (National Chiao-Tung University / Taiwan Hydrogen Industry Development Association/MOST, Taiwan)	
15:00-15:30	nydrogen industry Development Association/MOS1, Talwan/	
OS1-3	Thermal Conductivity of Silicon Nanowire Using Landauer Approach for	
5654-2	Thermal Conductivity of Sincol Nanowire Osing Landauer Approach for Thermoelectric Applications (Invited Talk)	
0004 <u>2</u>	Ming-Yi Lee, Yiming Li (Naitonal Chiao Tung University, Taiwan) and Seiji	
	Samukawa (Tohoku University, Japan)	
15:40-16:10	Salitation (2010) Supuly	<break (10="" min)<="" td=""></break>
OS1-4	Hydrogen Energy Supply System and Supply Chain Model by using Renewable	
	Energy (Invited Talk)	
Chair:Shinichi Orimo	<u>Tatsuoki Kono</u> (Tohoku University, Japan)	
16:10-16:40		
OS1-5	Large Scale Molecular Simulations of Mass Transport Phenomena in PEFC	
	(Invited Talk)	
	<u>Takashi Tokumasu</u> and Takuya Mabuchi (Tohoku University, Japan)	
16:40-17:10		
OS1-6	Lithium Ion Battery and Solar Cell Materials Synthesis via Supercritical Fluid	
	Processes (Invited Talk)	
17.00.17.50	T. Tamai and Itaru Honma (Tohoku University, Japan)	<break (10="" min)<="" td=""></break>
17:20-17:50 OS1-7		Dieak (10 IIIII)
051-7	Acoustic Phonon Thermal Transport in Corrugated Silicon Nanowires (Invited Talk)	
	Junichi Hattori, Vladimir Poborchii and Tetsuya Tada (National Institute of	
	Advanced Industrial Science and Technology, Japan)	
17:50-18:20		
OS1-8	Electricity Generation by Water Flow on Nitrogen-doped Graphene (Invited	
	Talk)	
	Takeru Okada (Tohoku University, Japan), Golap Kalita, Masaki Tanemura	
	(Nagoya Institute of Technology, Japan), Ichiro Yamashita (Osaka University,	
	Japan), M. Meyyappan (NASA Ames Research Center, USA) and Seiji	
	Samukawa (Tohoku University, Japan)	