

A-2シンポジウム プログラム

	(min)	Presentation	name	title	Chair person	
12月11日(水)	16:30-18:30	120	Cluster A Keynote Talks (3) : Teruyasu MIZOGUCHI (The University of Tokyo), Truls NORBY (University of Oslo), Kenji OHOYAMA (Ibaraki University)		Shin-ichi Orimo	
12月12日(木)	09:00-09:45	45	Symposium Keynote-1	1-1 Rana Mohtadi	Enabling Energy Technologies Using Hydride Materials	Hiroshi Kageyama
	09:45-10:15	30	Invited-1	1-2 Shin-ichi Orimo	Complex Hydrides for Energy Device Research	
	10:15-10:35	20	Oral-1	1-3 Kartik Sau	Molecular Dynamics Study of Fast Li ⁺ Ion Transport in closo-Boranes	
	10:35-10:45	10	Break			
	10:45-11:15	30	Invited-2	2-1 Truls Norby	Hydride ion conduction	Tom Autrey
	11:15-11:45	30	Invited-3	2-2 Hiroshi Kageyama	Size Flexibility of Hydride Anion: Structure and Property Control	
	11:45-14:00		Break			
	14:00-14:20	20	Oral-2	2-3 Genki Kobayashi	H ⁻ Conduction in the Rock-Salt Layer of K ₂ NiF ₄ -Type Oxyhydrides	Anderson Janotti
	14:20-14:40	20	Oral-3	2-4 Soshi Iimura	Characteristic H ⁻ Ion Conduction in Oxygen-Substituted Lanthanum Trihydride	
	14:40-15:00	20	Oral-4	2-5 Tomofumi Tada	Fast Hydride Ionic Conduction of Lanthanum Oxyhydride from First Principles Molecular Dynamics Simulation	
	15:00-15:10	10	Break			
	15:10-15:40	30	Invited-4	3-1 Tom Autrey	Catalytic Properties of Hydrides in Aqueous Media	Truls Norby
	15:40-16:10	30	Invited-5	3-2 Miho Yamauchi	Inorganic Nanomaterials to Achieve Efficient Electrochemical Hydrogenation for Energy Storage and Materials Conversions	
	16:10-16:30	20	Oral-5	3-3 Hiroshi Mizoguchi	Hydrogen storage behaviors and application for ammonia synthesis of LnNiSi (Ln = La-Nd)	
	19:00-21:00	120	MRM2019 Banquet			
12月13日(金)	09:00-09:45	45	Symposium Keynote-2	4-1 Naoki Ohashi	Investigation on Defect Structures in Oxides with Hydrogen Impurity	Miho Yamauchi
	09:45-10:15	30	Invited-6	4-2 Anderson Janotti	The hydrogen impurity in wide-band-gap oxides	
	10:15-10:35	20	Oral-6	4-3 Toshio Kamiya	Structures and Electronic States of Hydrogen in Inorganic Semiconductors with Different Anions	
	10:35-10:55	20	Oral-7	4-4 Keisuke Ide	Hydrogen Doping in Ultra-widegap Amorphous Oxide Semiconductor, Amorphous Ga-O	
	10:55-11:15	20	Oral-8	4-5 Kazuhiro Gotoh	Activation energy of hydrogen effusion of high performance TiO _x /SiO _x /c-Si heterocontacts	
	11:15-14:00		Break			
	14:00-14:20	20	Oral-9	5-1 Shohei Ogura	Kinetic Enhancement of Hydrogen Absorption by Pd through Surface Modification with Au	Genki Kobayashi
	14:20-14:40	20	Oral-10	5-2 Nobutaka Maeda	Caught in the Act: Hydrogen Bond at Work in Asymmetric Synthesis Monitored by Modulation-Excitation Infrared Spectroscopy	
	14:40-15:00	20	Oral-11	5-3 Shigeyuki Takagi	Hydride Complexes with High Hydrogen Coordination and Their Novel Functionalities	
	15:00-15:20	20	Oral-12	5-4 Hiroyuki Saitoh	High-pressure and high-temperature synthesis of novel hydrides	
	15:20-15:40	20	Oral-13	5-5 Satoru Matsuishi	Magnetic structure of heavily hydrogen-substituted 1111-type LaMnPO _{1-x} H _x	
	16:30-16:50	20	Oral-14	6-1 Yoshiyuki Yamamoto	First-principles calculations of hydrogen-related reactions in polymer electrolyte fuel cell	Hiroyuki Saitoh
	16:50-17:10	20	Oral-15	6-2 Ryuhei Sato	Proton conduction on hydrated oxide surface for "electrolyte" of metal/oxide catalysts	
	17:10-17:30	20	Oral-16	6-3 Zhi Long	Sulfonated Poly(arylene perfluoroalkylene) Terpolymers as Proton Exchange Membranes	
	19:00-21:00		Poster			