Symposium program

Tuesday, February 20, 2018

9:30-9:40 Chair: 9:40-10:20	Kiyotaka Asakura Director of ICAT Kiyotaka Asakura (ICAT, Hokkal Michael R. Hoffmann	Welcome speech		
9:40-10:20	Kiyotaka Asakura (ICAT, Hokka Michael R. Hoffmann	. research operation		
9:40-10:20	Michael R. Hoffmann	ido University)		
	O 114 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Atomic layer deposition as a tool for tuning the		
10:20-10:50	California Institute of Technology, USA	reactivity of heterogeneous electrocatalysts for the chlorine and oxygen evolution reactions		
	Ryu Abe Kyoto University, Japan	Design of stable mixed-anion semiconductors for photocatalytic water splitting under visible light		
10:50-11:10	Tyoto Omrotoky, oupun	Coffee break		
Chair:	Atsushi Fukuoka (ICAT, Hokkaido University)			
11:10-11:30	Michael Wark University Oldenburg, Germany	Ferrites for photoelectrochemical water splitting and photocatalytic pollutant degradation		
	Emma Richards	EPR investigations of earth abundant W-TiO ₂		
11:30-11:50	Cardiff University, UK	and Mo-TiO ₂ nano-architectures for photoelectron		
	Adriana Zaleska-Medynska	storage and PEC water splitting Recent development on application of TiO₂-based		
11:50-12:10	University of Gdansk, Poland	nanotubes in photocatalysis		
12:10-14:00	Lunch break			
Chair:	Tamaki Nakano (ICAT, Hokkaido University)			
14:00-14:40	Bunsho Ohtani Hokkaido University, Japan	Revisiting 1972-The year of kick off but anchoring for photocatalysis studies		
		Recent developments on studies of mobile		
14:40-15:00	Christophe Colbeau-Justin University of Paris-Saclay, France	charge-carriers in photocatalytic particles by Time		
		Resolved Microwave Conductivity		
15:00-15:20	Sankar Meenakshisundaram	Supported monometallic and bimetallic		
	Cardiff University, UK	nanoparticles for catalytic applications		
	Cardiff University, UK	nanoparticles for catalytic applications Coffee break		
15:20-15:45 Chair:	Kenichi Shimizu (ICAT, Hokkaid	Coffee break		
15:20-15:45		Coffee break		
15:20-15:45 Chair: 15:45-16:00	Kenichi Shimizu (ICAT, Hokkaid Justyna Łuczak Gdansk University of Technology, Poland Mohammad A. R. Jamil	Coffee break Io University) The ionic liquid-assisted solvothermal synthesis of TiO ₂ microspheres Methylation of amines with methanol using Pt/C		
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Symposium program

Wednesday, February 21, 2018

Time	Presenter	Title	Page	
Chair:	Bunsho Ohtani (ICAT, Hokkaido University)			
9:30-10:10	Detlef Bahnemann Leibniz University of Hannover, Germany	Catalytic vs. photocatalytic processes on TiO ₂ surfaces: an isotopic and FTIR study		
10:10-10:40	Kazuhiko Maeda Tokyo Institute of Technology, Japan	Photocatalytic CO ₂ reduction and water oxidation using surface-modified semiconductors		
10:40-11:00		Coffee break		
Chair:	Ryu Abe (Kyoto University)			
11:00-11:30	Wojciech Macyk Jagiellonian University, Poland	How to determine band gap energy and redox properties of photocatalysts?		
11:30-11:50	Jeremy J. Pietron US Naval Research Laboratory, USA	Plasmonic photocatalysis and small molecule oxidation catalysis at oxidation-stable Cu−TiO₂ aerogels		
11:50-12:10	Elena Selli University of Milan, Italy	Charge carriers photogenerated in photocatalytic materials: transient absorption and time-resolved photoluminescence investigations		
12:10-14:00		Lunch break		
Chair:	Jun-ya HASEGAWA (ICAT, Hokkaido University)			
14:00-14:40	David Ollis North Carolina State University, USA	Kinetics of photocatalyzed reactions: five lessons learned		
14:40-15:00	Izabela Rzeznicka Shibaura Institute of Technology, Japan	Hybrid surface materials of inorganic-organic layered structures as cathode materials for Li-airrechargeable batteries		
15:00-15:20	Agata Markowska-Szczupak West Pomeranian University of Technology, Poland	Antimicrobial activity of modified titanium dioxide for detoxification and disinfection of water		
15:20-15:35	Osamu Tomita Kyoto University, Japan	Polyoxometalate as a stable shuttle redox mediator in Z-scheme water splitting		
15:35-15:50	Anna Malankowska University of Gdansk, Poland	Trimetallic Au@Pd@Pt core-shell nanoparticles modified TiO ₂ and NaTaO ₃ with enhanced visible light activity		
15:50-16:10	Coffee break			
Chair:	Mai Takashima (ICAT, Hokkaido University)			
16:10-16:40	Hynd Remita CNRS and University of Paris- Saclay, Orsay, France	Conjugated polymer nanostructures for photocatalysis under visible light		
16:40-17:00	Satoru Takakusagi Hokkaido University, Japan	Structure and reactivity on well-defined model catalyst surfaces studied by STM and XAFS		
17:00-17:20	Anna Zielińska-Jurek Gdansk University of Technology, Poland	Magnetic photocatalysts for water treatment		
17:20-17:40	Yuichi Kamiya Hokkaido University, Japan	Catalytic reduction of nitrate toward purification of actually polluted groundwater		
17:40-17:55	Cody Finke California Institute of Technology, USA	Atomic layer deposition as a tool for tuning the reactivity of heterogeneous electrocatalysts for th chlorine and oxygen evolution reactions	e	
17:55-18:10	Anna Gołąbiewska University of Gdansk, Poland	The effect of gold shape and size on the visible light induced photoactivity of Au-TiO ₂		
18:10-18:20	Ceremony of poster awards			
18:20-18:30	Ewa Kowalska Hokkaido University, Japan	Closing remarks		

Symposium program

Thursday, February 22, 2018

Post-conference trip (8:00-20:00)



8:00 Departure / (Mystays Sapporo hotel)

10:15 Toya Lake and Toyako Volcano Science Museum (http://www.toyako-vc.jp/en/volcano/)

10:30 Movie show

11:00 Departure to Shiraoi (lunch during the trip)

12:00 Shiraoi, Poroto Kotan with Ainu Museum

(http://www.ainumuseum.or.jp/en/study/eng01.html)

12:15-12:40 performance (or 13:15-13:40)*

13:30 Departure to Noboribetsu (or 13:50)*

14:00 Noboribetsu (or 14:20)*

14:00-14:30 Oyunuma observatory

(or 14:20-14:50)*

14:30-15:10 Hell Velley

(or 14:50-15:40)*

15:20-17:30 Onsen (hot spring bath)

(or 15:50-17:30)*

17:30-18:30 Dinner

18:30 Departure to New Chitose Airport and Sapporo



