

ETH–ICAT joint symposium on catalysis; September 10<sup>th</sup> and 11<sup>th</sup>, 2019; ETH Hönggerberg HCI J7; Final Programme.

	Timing	Speaker	Title
<b>Tuesday 10<sup>th</sup> Sept.</b>			
Welcome Coffee	8:30-8:50		
Welcome & opening	8:50-9:00	C. Copéret and K. Shimizu	
<i>Chair: Miho Yamauchi</i>			
1	9:00-9:25	Jeroen van Bokhoven (ETHZ/PSI)	Methane to methanol over Cu/zeolites; is there a path from scientific curiosity to industrial application?
2	9:25-9:50	Toshiyuki Yokoi (Tokyo Institute of Technology)	Development of Zeolite Catalysts for Selective Production of Light Olefins
3	9:50-10:15	Bill Morandi (ETHZ)	Design and applications of new single bond metathesis reactions
Coffee	10:15-10:35		
<i>Chair: Victor Mougél</i>			
4	10:35-11:00	Shinya Furukawa (Hokkaido Univ)	Novel Concept for Catalyst Design based on Alloy Materials
5	11:00-11:25	Christoph Muller (ETHZ)	Structure-performance studies on materials for CO <sub>2</sub> valorisation
6	11:25-11:50	Yasushi Sekine (Waseda Univ)	Catalytic reaction at low temperature by surface protonics
7	11:50-12:15	Gina Noh (ETHZ)	CO <sub>2</sub> Hydrogenation to CH <sub>3</sub> OH on Cu Nanoparticles: Molecular Understanding of Promotional Effects Using Surface Organometallic Chemistry
Lunch	12:15-13:00		
<i>Chair: Kenichi Shimizu</i>			
8	13:00-13:25	Peter Chen (ETHZ)	De novo design of catalytic cycles: The case of cyclopropanation.
9	13:25-13:50	Christopher P. Gordon (ETHZ)	Active Site Structures in Titanium-Silicalite 1: An NMR Point of View
		Jordan Meyet (ETHZ)	Proximal Monomeric Cu(II) Sites on Alumina Convert Selectively CH <sub>4</sub> to CH <sub>3</sub> OH
10	13:50-14:15	Atsushi Urakawa (Delft Univ)	CO <sub>2</sub> hydrogenation to methyl formate as a potential chemical energy carrier
11	14:15-14:40	Miho Yamauchi (Kyusyu Univ)	Inorganic Nanocatalysts for Efficient Electrocatalytic Hydrogenation
12	14:40-15:05	Davide Ferri (PSI)	Catalysis and spectroscopy under unsteady-state conditions
Coffee	15:05-15:20		
<i>Chair: Peter Chen</i>			
13	15:20-15:45	Takahiro Kondo (Univ of Tsukuba)	New two-dimensional material: Borophane, synthesis, characterization, and application
14	15:45-16:10	Clemence Corminboeuf (EPFL)	Blending Old Concepts with Modern Computational Tools to Discover Homogeneous Catalysts
Poster flash presentation	16:10-17:10		
ETH Lab tour	17:10-18:30		
Poster session	18:30-21:00	Poster and Aperó Riche mixer	

<b>Wednesday 11<sup>th</sup> Sept.</b>			
<i>Chair: Takashi Toyao</i>			
15	9:10-9:35	Toshiaki Taniike (JAIST)	High-throughput experimentation and application of catalyst informatics on oxidative coupling of methane
16	9:35-10:00	Erick Carreira (ETHZ)	Recent Advances in Iridium Catalysis
Coffee	10:00-10:20		
<i>Chair: Christophe Copéret</i>			
17	10:20-10:45	Victor Mougel (ETHZ)	Bio-inspired Strategies for Overall CO <sub>2</sub> Reduction
18	10:45-11:10	Satoshi Ishikawa (Kanagwa Univ)	Selective oxidation of alkane and unsaturated aldehyde over crystalline Mo <sub>3</sub> VO <sub>x</sub> catalyst
19	11:10-11:35	Raffaella Buonsanti	Colloidal chemistry for controlled and tunable CO <sub>2</sub> reduction catalysts
20	11:35-12:00	Takashi Toyao (Hokkaido Univ)	Selective hydrogenation of carboxylic acid derivatives and CO <sub>2</sub> over supported metal catalysts
Closing remarks	12:00-12:05	Prof. Kenichi Shimizu and Prof. C. Copéret	
Speakers' lunch	12:15-13:30		Bellavista
Discussion*	13:30-17:00		*Location: H213 instead of J7