

Hokkaido University-NTHU Bilateral Symposium 2023

Tuesday 25 July 2023, Suzuki Memorial Hall, Hokkaido University

Organized by Faculty of Engineering, Hokkaido University

Supported by Hokkaido Branch, The Chemical Society of Japan (依頼中), and
Hokkaido Branch, The Society of Polymer Science, Japan

PROGRAM

TIME	SESSION DETAILS
	Chair: Prof. Tetsu Yonezawa (Hokkaido Univ)
09:30 – 09:40	Opening Remark Prof. Hiroki Habazaki, Dean, Faculty of Engineering, Hokkaido University
09:40 – 09:55	Invited Talk 1 from Hokkaido University Associate Prof. Yuji Masubuchi : <i>Unusual Thermal Expansion and Phase Transition in Metal Carbodiimides</i>
09:55 – 10:07	Invited Talk 2 from NTHU Professor Sinn-Wen Chen: <i>Understanding peculiar material behaviors through phase diagrams</i>
10:07 – 10:22	Invited Talk 3 from Hokkaido University Professor Yasuhide Inokuma: <i>Image-based Machine Learning in Organic Chemistry</i>
10:22 – 10:34	Invited Talk 4 from NTHU Professor Hsin-Lung Chen: <i>Self-assembly of sugar-based block oligomer in the complex phase window</i>
10:34 – 10:44	Break
	Chair Prof. Hsin-Lung Chen (NTHU)
10:44 – 10:59	Invited Talk 5 from Hokkaido University Specially Appointed Assistant Prof. Sho Kitano: <i>Development of catalysts for alkaline water electrolysis by design of nanostructure</i>
10:59 – 11:11	Invited Talk 6 from NTHU Professor Chi-Chang Hu: <i>R&D of rechargeable Zn-air batteries in LECAM</i>
11:11 – 11:26	Invited Talk 7 from Hokkaido University Assistant Professor Yohei Ishida : <i>Manipulation of Precise Molecular Arrangements and Photochemical Processes on Inorganic Surfaces</i>
	Chair: Assist Prof. Yohei Ishida (Hokkaido Univ.)
11:26 – 11:38	Invited Talk 8 from NTHU Professor Masaki Horie: <i>Stimuli-responsive molecular machines</i>
11:38 – 11:53	Invited Talk 9 from Hokkaido University Assistant Professor Mai Thanh Nguyen : <i>Bimetal oxide catalysts for rechargeable zinc air batteries</i>
11:53 – 12:05	Invited Talk 10 from NTHU Professor Tzu-Chien Wei: <i>TBD</i>
12:05 – 13:35	Lunch Time
	Chair: Prof. Masaaki Horie (NTHU)
13:35 – 13:50	Invited Talk 11 from Hokkaido University Assistant Professor Yasuharu Satoh: <i>Bioprocess for production of phenolic compounds with engineered Escherichia coli</i>
13:50 – 14:02	Invited Talk 12 from NTHU Professor Jen-Huang (Tony) Huang: <i>Continuous synthesis of metal-organic frameworks using microfluidics</i>
14:02 – 14:17	Invited Talk 13 from Hokkaido University Professor Ryuji Kikuchi: <i>Electrochemical Reduction of N₂ and CO₂ for Energy Carrier Synthesis</i>

	Chair: Assist Prof. Yasuharu Satoh (Hokkaido Univ.)
14:17 – 14:29	Invited Talk 14 from NTHU Professor Jane Wang: <i>The syntheses and applications of glycerol-based biodegradable polyesters</i>
14:29 – 14:44	Invited Talk 15 from Hokkaido University Associate Prof. Takuya Isono: <i>Designing bio-based elastomers from oligosaccharides</i>
14:44 – 14:56	Invited Talk 16 from NTHU Professor Yung-Ting Pan: <i>Developing redox methodologies for decarbonization</i>
14:56 – 15:06	Break
	Chair: Prof. De-Hao Tsai (NTHU)
15:06 – 15:21	Invited Talk 17 from Hokkaido University Professor Naoyuki Hashimoto : <i>TBD</i>
15:21 – 15:33	Invited Talk 18 from NTHU Professor Tung-Han Yang: <i>Construction and catalytic application of a nanocrystal library of high-entropy alloys</i>
15:33 – 15:48	Invited Talk 19 from Hokkaido University Professor Tetsu Yonezawa: <i>Copper Nanoparticle System for Semiconductor Joining Materials</i>
15:48 – 16:00	Invited Talk 20 from NTHU Professor Yu-Jeng Lin: <i>Integrated absorbent and process design framework for CO₂ capture</i>
16:00 - 16:05	Closing Remark Prof. De-Hao Tsai: Department Chair, NTHU
16:05 -	Academic Discussion, Lab/Campus Tours, and Dinner Time

上記の通り、国立清華大学との2大学間シンポジウムを鈴木ホールにて、開きます。多くの方のご参加をお待ちしております。

連絡先：材料科学部門 米澤 徹

tetsu@eng.hokudai.ac.jp