

**The 3rd Taiwan-Japan Workshop on
Nanospace Materials
Room 223, Dept. Chem. Eng., National Taiwan University**

**Technical Programs
Sat., 27 Oct 2018**

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| 1630-1700 | Registration (Room 223, Dept. Chem. Eng., National Taiwan Univ.) |
| 1700-1900 | Poster Session & Welcome Party (Room 223, Dept. Chem. Eng., National Taiwan Univ.) |

Sun., 28 Oct 2018

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| 0830-0900 | Opening Ceremony & Group Photo |
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Session A: Materials synthesis & Energy applications
Chair: Kevin C.-W. Wu (National Taiwan Univ., Taiwan)

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| 0900-0920 | T1 | Chi-Chang Hu (NTHU, Taiwan) | Design of Hierarchical Porous Electrode Materials for Supercapacitors |
| 0920-0940 | J1 | Wataru Sugimoto (Shinshu Univ., Japan) | Vertical Alignment of 2D nanosheets for Fast Charging Devices |
| 0940-1000 | T2 | Hong-Ping Lin (NCKU, Taiwan) | Using a Solvent-Free Method to Synthesize Multiporous Carbons for Applications in Supercapacitor and Capacitive Deionization |
| 1000-1020 | J2 | Dai Mochizuki (Tokyo Denki Univ., Japan) | Alternate Layered Nanostructures by Spontaneous Assembly of Inorganic Nanosheets |
| 1020-1040 | T3 | Chia-Hung Hou (NTU, Taiwan) | Nanoporous Carbon-based Materials as Capacitive Electrodes for Environmental Applications |

Coffee Break

Session B: Functional Polymer
Chair: Ting-Yu Mars Liu (Ming Chi Univ., Taiwan)

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| 1100-1120 | T4 | Shaio-Wei Kuo (SYSU, Taiwan) | Mesoporous Materials Templated by Block Copolymers |
| 1120-1140 | T5 | Chen-Tsyrr Lo (CYCU, Taiwan) | Synthesis and Applications of Cross-linked Core-shell Block Copolymers |

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| 1140-1200 | J3 | Kazuhiro Shikinaka (AIST, Japan) | Functional Materials consisting of Nanoparticulated Lignin obtained via Sustainable Process |
| 1200-1220 | T6 | Hsien-Yeh Chen (NTU, Taiwan) | Vapor-Deposited Nanoscaled Polymer Coatings for Biointerface Engineering |
| 1220-1340 | Lunch | | |
| Session C: Materials synthesis & energy applications Chair: Hong-Ping Lin (NCKU, Taiwan); Minoru Osada (Nagoya Univ., Japan) | | | |
| 1340-1400 | T7 | Yung-Jung Hsu (NCTU, Taiwan) | Semiconductor Nanoheterostructures for Photoconversion Applications |
| 1400-1420 | J4 | Jun Kawamata (Yamaguchi Univ., Japan) | Optical Properties of Dyes Confined in Interlayer Spaces of Clay Minerals |
| 1420-1440 | T8 | Hsing-Yu Tuan (NTHU, Taiwan) | Nanomaterials Designed for High-Capacity Lithium-Ion Batteries Anodes |
| 1440-1500 | J5 | Tatsuo Kimura (AIST, Japan) | Reactivity Control of Bisphosphonates for the Facile Preparation of Non-silica-based Hybrid Mesoporous Materials |
| 1500-1520 | Coffee Break | | |
| 1520-1540 | J6 | Minoru Osada (Nagoya Univ., Japan) | Nanoarchitectonics with 2D Nanosheets |
| 1540-1600 | T9 | Jason Z.-H. Lin (NTHU, Taiwan) | Smart Textile and Self-Powered Sensors |
| 1600-1620 | J7 | Tomohiko Okada (Shinshu Univ., Japan) | A colloidal amorphous array based on clay particles |
| 1620-1640 | T10 | Ting-Yu Mars Liu (Ming Chi Univ., Taiwan) | Design and Synthesis of Functionalized Raman Enhancing Nanoparticle Arrays for Biomolecules Detection |
| 1640-1700 | J8 | Teruyuki Nakato (KIT, Japan) | Hierarchical Organization of Inorganic Nanosheet Liquid Crystals: Internal Assembly and External Forces |
| 1800-2030 | Banquet Grand Hotel Taipei (http://www.grand-hotel.org/taipei/) | | |

Mon., 29 Oct 2018

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| 0800-0900 | Moving (Taipei to I-Lan) Gathering at the main gate of NTU at 8 am (please be on time) | | |
| 0900-1100 | Excursion National Center for Traditional Arts (http://www.px-sunmake.org.tw/index/index.html) | | |
| 1100-1240 | Lunch Evergreen Resort Hotel Jiaosi (https://jiaosi.evergreen-hotels.com) | | |
| Session D: Nanoporous materials for adsorption Chair: Chia-Hung Hou (NTU, Taiwan) | | | |
| 1240-1300 | J9 | Ryo Akiyama (Kyushu Univ., Japan) | Theoretical and experimental studies of selective large molecules uptake from a binary solvent in porous materials |
| 1300-1320 | T11 | Chin-Jung Lin (NIU, Taiwan) | Small Gas Molecules in Porous Materials: Adsorption, Transformation, and Detection |
| 1320-1340 | J10 | Makoto Ogawa (VISTEC, Thailand) | Deposition of Porous Silica Layer on Functional Particle |
| Session E: MOFs Chair: Kevin C.-W. Wu (NTU, Taiwan); Dai Mochizuki (Tokyo Denki Univ., Japan) | | | |
| 1340-1400 | J11 | Shuhei Furukawa (Kyoto Univ., Japan) | Self-assembly of metal-organic polyhedra into porous soft matters |
| 1400-1420 | T12 | Chung-Wei Kung (NCKU, Taiwan) | Design of Highly Stable and Mesoporous Metal–Organic Frameworks with Electrical Conductivity |
| 1420-1440 | J12 | Hirokazu Kobayashi (Kyoto Univ., Japan) | Metal Nanoparticles Covered with Metal-Organic Frameworks for Energy/Catalysis Applications |
| 1440-1620 | Round Table Discussion & Coffee Break | | |
| 1620-1640 | T13 | Cheng-Yu Wang (NCTU, Taiwan) | Hydrogen storage in the composite of chemical hydride and metal-organic frameworks |
| 1640-1700 | J13 | Gavin A. Craig (Kyoto Univ., Japan) | Switchable gate-opening effect in metal-organic polyhedra assemblies through solution processing |
| 1700-1720 | T14 | Fa-Kuen Shieh (NCU, Taiwan) | Insights into MOF Biochemistry: a study on the biological functionality of embedding the enzyme into metal-organic frameworks via <i>de novo</i> |
| 1720-1740 | J14 | Christine Young (NIMS, Japan) | Nanoarchitecture of Functional Porous Carbons from Metal-Organic Frameworks |

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| 1740-1800 | T15 | Chia-Her Lin (CYCU, Taiwan) | MOFs for carbon dioxide capture and catalytic cycloaddition of epoxides |
| 1800-1820 | J15 | Closing Remarks & Recent Progress on Porous Materials Yusuke Yamauchi (UQ, Australia) | |
| 1820-1920 | Moving (I-Lan to Taipei) | | |
| 1920-2100 | Farewell Party A-Cheng Restaurant (https://www.acheng.com.tw) | | |