

# Breakout Sessions (13:45-17:20)

## Session 4: New Molecular Chemistry

13:45 - 17:20 Session 4

@Main Bldg, Rm 345

Moderator: Prof. Nobuharu IWASAWA (Tokyo Tech)

13:45-14:05 *High-density Polymer Brushes Offering a Surface for Near-zero Azimuthal Anchoring of Liquid Crystals at Room Temperature*

Assoc. Prof. Masatoshi TOKITA (Tokyo Tech)

14:05-14:25 *Organocatalyzed Controlled Polymerization for Polymer Structural Design and Polymer Material Design*

Assoc. Prof. Atsushi GOTO (NTU)

14:25-14:45 *Metal Assembly in Organometallic Sandwich Frameworks*

Prof. Tetsuro MURAHASHI (Tokyo Tech)

14:45-15:05 *Molecular Transformation with Vinyl Azides*

Prof. Shunsuke CHIBA (NTU)

15:05-15:25 *Molecular-based Heterogeneous Photocatalysts for Solar Fuel Production*

Assoc. Prof. Kazuhiko MAEDA (Tokyo Tech)

15:25-15:40 **Coffee break**

15:40-16:00 *Artificial Photosynthesis by Light Absorption, Hydrogen Evolution, and Biomass Valorization*

Assist. Prof. SOO Han Sen (NTU)

16:00-16:20 *Bipolar Electropolymerization toward Conductive Material Networks*

Assoc. Prof. Shinsuke INAGI (Tokyo Tech)

16:20-16:40 *2D Materials for Electrocatalytic Carbon Dioxide and Proton Reduction*

Assoc. Prof. Martin PUMERA (NTU)

16:40-17:00 *SERS measurement of Single Molecular Junction*

Prof. Manabu KIGUCHI (Tokyo Tech)

17:00-17:20 *Plasmonic Liquid Marbles for In-situ Reaction Kinetics Tracking at Liquid-liquid Interface*

Assoc. Prof. LING Xing Yi (NTU)