

# CUTTING EDGE OF SURFACE SCIENCE FOR ATOMIC SCALE APPROACH TO CATALYSTS

Date: November 5, 2020

Registration fee: Free

Time: 16:00-18:10 (JST)

Website: <https://sites.google.com/view/ijcs-surface-science>



**Yujin Tong**  
FHI & University of  
Duisburg-Essen



**Satoru Takakusagi**  
ICAT  
Hokkaido University



**Tadashi Abukawa**  
SRIS & IMRAM  
Tohoku University

- 16:00** Greeting,  
K. Asakura (ICAT)  
T. Kumagai (FHI & IMS)
- 16:05** Probing the electron and its ultrafast dynamics at the electrified interface with a novel optoelectronic method  
Yujin Tong (FHI & University of Duisburg-Essen)
- 16:45** Atomic-level visualization of surface catalytic reactions by in-situ/operando XAFS and STM  
Satoru Takakusagi (ICAT, Hokkaido University)
- 17:25** Graphene growth on carbon-doped Ni substrate by surface segregation  
Tadashi Abukawa (SRIS & IMRAM, Tohoku University)
- 18:05** Closing, A. Muramatsu (SRIS & IMRAM, Tohoku University)

Organizers: K. Asakura (ICAT), T. Kumagai (FHI & IMS), A. Muramatsu (SRIS & IMRAM), J. Hasegawa (ICAT)

Sponsorship: Institute for Catalysis (ICAT), Hokkaido University

Department of Physical Chemistry, Fritz-Haber Institute (FHI)

Co-sponsorship: International Center for Synchrotron Radiation Innovation Smart (SRIS) & Institute of Multidisciplinary Research for Advanced Materials (IMRAM), Tohoku University  
Research Center for Artificial Photosynthesis, Osaka City University