



# Operando VII

## Sunday, May 7, 2023

**Keynote lecture: Design of XAS experiments for uncovering active sites in heterogeneous catalysts - Sunstar Hotel (2:00 PM - 2:30 PM)**

-Conveners: Olga Safonova

# Monday, May 8, 2023

**Keynote lecture: In situ and operando spectroscopic study for multi-elemental reverse water-gas shift catalysts identified using extrapolative machine learning approach - Sunstar Hotel (1:30 PM - 2:00 PM)**

-Conveners: Takashi Toyao

**Keynote lecture: Restructuring of titanium oxide overlayers over nickel nanoparticles during catalysis as probed with operando electron microscopy and infrared spectroscopy - Sunstar Hotel (4:10 PM - 4:40 PM)**

-Conveners: Matteo Monai

# Tuesday, May 9, 2023

**Keynote lecture: Steps towards understanding the oxygen evolution reaction enigma by operando quick X-ray absorption spectroscopy - Sunstar Hotel (9:00 AM - 9:30 AM)**

**-Conveners: Emiliana Fabbri**

# Wednesday, May 10, 2023

**Keynote lecture: Elucidating CO<sub>2</sub> activation over reducible oxide catalysts using operando and transient spectroscopies - Sunstar Hotel (1:30 PM - 2:00 PM)**

-Conveners: Christian Hess

**Keynote lecture: Second and micrometer spatial resolution for operando characterizations of heterogeneous energy-related materials by Full Field Hyperspectral Quick-EXAFS Imaging - Sunstar Hotel (4:10 PM - 4:40 PM)**

-Conveners: Valérie Briois