



# Operando VII

**Sunday, 7 May 2023**

**Keynote lecture: Design of XAS experiments for uncovering active sites in heterogeneous catalysts - Sunstar Hotel (14:00 - 14:30)**

**-Conveners: Olga Safonova**

# Monday, 8 May 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 (13:30 - 14:00)**

-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 (16:10 - 16:40)**

-Conveners: Matteo Monai

# Tuesday, 9 May 2023

**Keynote lecture: Steps towards understanding the oxygen evolution reaction enigma by operando quick X-ray absorption spectroscopy - Sunstar Hotel (09:00 - 09:30)**

-Conveners: Emiliana Fabbri

# Wednesday, 10 May 2023

**Keynote lecture: Elucidating CO<sub>2</sub> activation over reducible oxide catalysts using operando and transient spectroscopies - Sunstar Hotel (13:30 - 14:00)**

-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 (16:10 - 16:40)**

-Conveners: Valérie Briois