

The Instituto de Tecnología Química (ITQ) invites you to the workshop:

# *H<sub>2</sub> and Proton Conducting Technologies*

Save the date: 4<sup>th</sup> October 2022

“Lecture Hall”. [ITQ](#) (Polytechnic University of Valencia Campus) Av. dels Tarongers, 46022 Valencia

Follow ONLINE by clicking the [MS TEAMS LINK](#)



Prof. Hiroshige Matsumoto



Prof. Kwati Leonard

## Agenda:

- 9:00 – 9:15 Welcome and eCOCO2 project presentation  
Prof. José Manuel Serra, Energy Conversion and Storage Group, ITQ
- 9:15 – 10:00 “Overview of SOFC and SOEC with proton-conducting oxides”  
Prof. Hiroshige Matsumoto, Kyushu University, Japan
- 10:00 – 10:45 “Development of highly effective proton ceramic electrolyzers”  
Prof. Kwati Leonard, Kyushu University, Japan
- 10:45 – 11:15 Coffee Break

- 11:15 – 11:45 “Microwave-driven direct production of H<sub>2</sub> and chemical energy-carriers”  
Prof. José Manuel Catalá, ITACA
- 11:45 – 12:15 “Direct electrocatalytic CO<sub>2</sub> reduction in a tubular protonic membrane reactor”  
Dr. Sonia Escolástico, Energy Conversion and Storage Group, ITQ
- 12:15 – 12:30 Conclusions and wrap-up