



ARENHA

ADVANCED MATERIALS AND REACTORS FOR ENERGY STORAGE THROUGH AMMONIA

H2020 GRANT AGREEMENT NUMBER: 862482

Workshop: “Introduction to novel technologies related to ammonia-based energy storage”

ENGIE lab CRIGEN, April 7th, 2022

(4, Rue Joséphine Baker, 93240 Stains (Paris-France))

Link to attend the meeting: [Cliquez ici pour participer à la réunion](#)

Agenda

- 9:00-9:05 Welcome and introduction
- 9:05-9:25 ARENHA project general presentation
José Luis Viviente (TECNALIA)
- 9:25-9:40 SOC technology at Fraunhofer IKTS
Stefan Megel (FhG-IKTS)
- 9:40-9:55 Development of Low-Temperature Solid Oxide Electrolysis Cells
Freddy Kukk (ELCOGEN)
- 9:55-10:20 Advanced Ammonia Synthesis Technologies Overview
Cheng Liang (PV)
- 10:20-10:45 Development of solid-state ammonia absorption and storage
Anastasiia Karabanova (DTU)
- 10:45-11:00 Coffee break**
- 11:00-11:25 Catalysts for ammonia synthesis and decomposition
Thomas Wood (STFC-UKRI)
- 11:25-11:50 H₂ production through Ammonia decomposition in a membrane reactor
Valentina Cechetto (TUE)
- 1:50-12:05 SOFC technology for hydrogen-based power generation
Christian Eckart (FhG-IKTS)
- 12:05-12:20 Direct use of ammonia for mobility (ICE)
Christine Rousselle (UORL / STELLANTIS)
- 12:20-12:45 Expected impact when using ammonia for H₂ storage
Alvaro Ramirez (ENGIE)
- 12:45-12:50 End of the workshop**