

CLEAN ENERGY: “CLEAN ENERGY CHALLENGES, WITH EMPHASIS ON HYDROGEN TECHNOLOGIES” [27 OCT 2021]

SCOPE

The workshop aims to highlight the main areas of advanced and sustainable energy science and associated technological applications. The challenges for clean energy will be discussed with special attention to hydrogen related technologies.

The workshop is organized in the context of ARCHERS (<https://archers.iesl.forth.gr/>), a major project implemented by FORTH with the exclusive donation of the Stavros Niarchos Foundation (SNF). Through ARCHERS, over 100 young doctoral students and post-doctoral researchers have been supported over the past four and a half years and have carried out cutting-edge research in the Institutes of FORTH across a broad range of interdisciplinary thematics including preservation of cultural heritage and tackling of societal challenges such as environment, clean energy and health.

WORKSHOP PROGRAM [ALL TIMES ARE IN EASTERN EUROPEAN TIME (UTC+3)]

10:30– 11:00	Opening remarks <i>Spiros Anastasiadis, Archers project coordinator</i> <i>Maria Daletou, Stylianos Neophytides , Workshop organizers</i>
11:00 – 11:30	Driving sustainable fuel cells and hydrogen technologies <i>Deborah Jones</i> <i>Institut Charles Gerhardt Montpellier</i>
11:30 – 12:00	Solid oxide technology’s contribution to green energy systems <i>Anke Hagen</i> <i>Technical University of Denmark, Department of Energy Conversion and Storage</i>
12:00 – 12:30	The role of research in EU hydrogen policy <i>Paul Hodson</i> <i>Joint Research Centre, European Union</i>
12:30– 12:50	Short break
12:50 – 13:10	Advanced materials and electrochemical energy conversion devices <i>Maria Daletou</i> <i>ICEHT/FORTH</i>

13:10 – 13:30	Solar driven multifunctional windows and third generation of solar cells George Syrrokostas <i>ICEHT/FORTH</i>
13:30 – 13:50	Hydrogen production from biomass and wastes Georgia Antonopoulou <i>ICEHT/FORTH</i>
13:50 – 14:10	Pyridinium-based Poly(Ionic Liquid) membranes for water vapor removal from hydrogen-rich gas streams Vroulias Dionysios <i>ICEHT/FORTH</i>
14:10 – 14:30	Advanced Photocatalytic Materials for Solar water splitting Vassilios Binas <i>IESL/FORTH</i>
14:30 – 14:50	Tailoring material properties by computational modeling Petra Bacova <i>IACM/FORTH</i>
14:50-15:30	Round table discussion
