Speaker of Session 03

HYDROGEN GENERATION AND STORAGE

Vaia Adamaki holds an undergraduate degree in Applied Mathematics and Physics and an MSc in Materials Science and Technology from the National Technical University of Athens.

Vaia completed her PhD in the Mechanical Engineering Department in University of Bath on Magnéli phases conductive ceramics. Her work involved manufacturing of bulk samples and fibres, dense and porous and characterization. Relating the manufacturing process with the properties made it possible to tune the properties and meet the requirements of various applications. Tuning the electrical properties was a big part of the research and Impedance Spectroscopy is a powerful tool to analyse them. Magneli phases fibres were used as sensing elements in a wear sensor and as electrodes in flow batteries.

Currently she holds a position as research associate in University of Bath in the NEMESIS (Novel Energy Materials, Engineering Science and Integrated Systems) group working with Prof. C. R. Bowen. The focus of the research is manufacturing composite structures and testing them as electrode for water splitting.