



ENDURANCE PREFACE

We are very pleased to introduce the proceedings of the Workshop “Degradation Mechanisms in Solid Oxide Cells and Systems”. In the spirit of the FCH JU’s goal to increase the networking between projects working in similar areas, the ENDURANCE team was the initiator of the Workshop “Degradation Mechanisms in Solid Oxide Cells and Systems” which was co-organized together with four FCH JU projects - DIAMOND, SOPHIA, SOCTESQA and Eco - and held in Barcelona, Spain (February 17, 2017). It gathered high-level researchers and industrial representatives involved in the development and market introduction of solid oxide cell systems.

The aim of the workshop was to provide a platform for professional discussions and exchange of expertise in one of the most challenging issues in the commercialization of SOFC: degradation and durability. Different aspects covering cell components, seals and interconnectors, as well as stacks and systems were discussed. Diverse approaches were presented: from modeling and prediction of degradation, through experimental confirmation and observations to diagnostic tools for early detection and mitigation strategies.

The Workshop Proceedings include abstracts and full presentation of the talks, divided in six thematic sections. They are available in an open access final version of ENDURANCE web site, as well as CDs for dissemination during participation of ENDURANCE members on different scientific events.

The Workshop represented a unique unifying and cooperative challenge that was successfully achieved by all people involved and we would like to thank the participants for their insightful contributions to the Workshop and to these Proceedings.

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