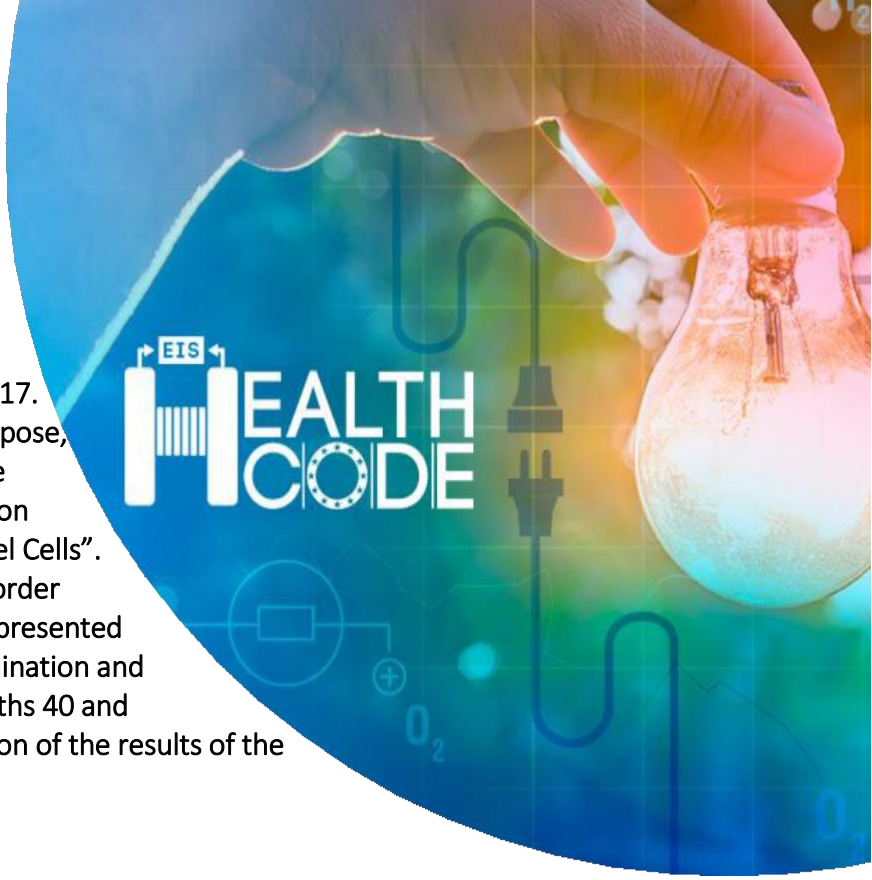
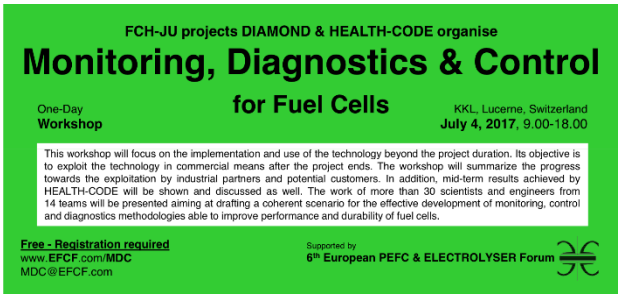
Public Abstract

Deliverable D6.6
Workshop N. 1



This deliverable gives an overview of the workshop held in Lucerne (CH) on 4 July 2017. The dissemination report describes the purpose, the achievements, the organization and the final outcomes of the "One Day Workshop on Monitoring, Diagnostics and Control for Fuel Cells". Figures about participants are provided in order to point out the interest among the topics presented during the joint workshop. The next dissemination and exploitation workshop is scheduled at months 40 and will provide final updates and demonstration of the results of the whole project.


FCH-JU projects DIAMOND & HEALTH-CODE organise

Monitoring, Diagnostics & Control

for Fuel Cells

One-Day **Workshop**

KKL, Lucerne, Switzerland
July 4, 2017, 9.00-18.00

This workshop will focus on the implementation and use of the technology beyond the project duration. Its objective is to exploit the technology in commercial means after the project ends. The workshop will summarize the progress towards the exploitation by industrial partners and potential customers. In addition, mid-term results achieved by HEALTH-CODE will be shown and discussed as well. The work of more than 30 scientists and engineers from 14 teams will be presented aiming at drafting a coherent scenario for the effective development of monitoring, control and diagnostics methodologies able to improve performance and durability of fuel cells.

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Supported by
6th European PEFC & ELECTROLYSER Forum

The project workshop has been jointly organized by FP7-FCH JU funded project DIAMOND and was held on July 4, 2017 during the 6th European PEC & Electrolyser Forum in Lucerne (CH) - Congress Center KKL. Both projects implement a holistic view over stack and system, enabling advanced management and providing a comprehensive solution to the problem of achieving improved performance and maintenance scheduling, higher reliability and, thus, increased lifetime of PEMFC and SOFC.

The workshop gathered engineers and researchers from industry, academia and research institutions interested in the most recent advancements on monitoring, diagnostics and control tools. A comprehensive overview and the exploitation potential of the projects results were offered to the interested stakeholders and users at various academia, industry and research levels. Emphasis was given to methodological approaches for monitoring and diagnostics that can help achieving reliable performance of both stacks and Balance of Plant (BoP) components. Control techniques, along with their applications for SOFC performance optimization, were also presented.

The workshop started with an overview of the projects; then, main results were reported on the experimental activity and on various approaches for monitoring, diagnostics and advanced control. The work of more than 40 scientists and engineers from 14 teams was presented aiming at drafting a coherent scenario for the effective development of monitoring, control and diagnostic methodologies to improve performance and durability of fuel cells. Guests from industry brought their knowledge, expertise and perspectives. At the end, an open discussion among the attendants was set to share experience and draft future paths towards FC improvements via advanced diagnostics and control.