



INTERNATIONAL ASSOCIATION FOR HYDROGEN SAFETY, HySAFE

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INTRODUCTION AND BACKGROUND

The International Association for Hydrogen Safety (HySafe) strives to be the main global forum for hydrogen safety related issues. Founded in 2009, it is an international non-profit organization registered under Belgian Law that currently has 34 members from industry, research organizations and universities representing 14 countries worldwide. Its mission is to promote the safe use of hydrogen as a sustainable energy carrier.

The Association facilitates the networking for the further development and dissemination of knowledge and for the coordination of research activities in the field of hydrogen safety. HySafe experts collaborate to assess the state-of-the-art in hydrogen safety approaches and assessments and to identify and prioritize topics for further hydrogen safety research to be fed into the strategic agenda of hydrogen technology research and innovation programmes worldwide.

The Executive Board consists of:

President: Dr. Andrei V. Tchouvelev, AVT, Canada (until October 22, 2015), Thomas Jordan, KIT, Germany (from October 22, 2015)

Vice President: Dr. Thomas Jordan, KIT, Germany (until October 22, 2015), Herve Barthelemy, Air Liquide, France (from October 22, 2015)

Treasurer: Dr. Iñaki Azkarate, TECNALIA, Spain

Secretary: Dr. Benno Weinberger, INERIS, France (until October 22, 2015), Frank Markert, DTU, Denmark (from October 22, 2015)

Committees consist of:

Conference (International Conference on Hydrogen Safety, ICHS): Chair – Prof. Marco Carcassi, UNIPI, Italy

Industry Relations: Chair – Dr. Akiteru Maruta, Technova, Japan

PR & Dissemination: Chair – Dr. Ulrich Schmidtchen, BAM, Germany

Research: Chair – Dr. Jay O. Keller, ZCES, USA



HYSAFE'S KEY ACTIVITIES

INTERNATIONAL CONFERENCE FOR HYDROGEN SAFETY (ICHS)

Since 2005, HySafe has been organizing the worldwide unique biennial conference on hydrogen safety. Since 2009, it has been endorsed by IEA HIA, the European Commission, FCH JU and the US DOE. The Regulation, Codes and Standards working group of the IPHE regularly organises its special workshop at this conference.

The first ICHS was organized in Pisa, Italy 2005, hosted by University of Pisa. The second ICHS took place in San Sebastian, Spain 2007, hosted by INASMET. In 2009, the third conference was co-organised with IEA HIA, hosted by CEA and held in Ajaccio, Corsica. The fourth conference in 2011 was held in San Francisco, USA and hosted by Sandia National Laboratories. The fifth ICHS (ICHS2013) was held in Brussels with strong support from the European Commission. The sixth conference will be held on October 19–21, 2015 in Yokohama, Japan, and the seventh (ICHS2017) will be held in Hamburg, Germany between September 11–13, 2017.

This conference, which addresses the topic of hydrogen safety worldwide, is the major meeting point and information exchange platform for all involved parties. Other related events, like the IEA HIA Safety Task and ISO TC197 expert group meetings are organised in conjunction with ICHS whenever possible.

RESEARCH PRIORITY WORKSHOPS

The HySafe research priorities workshop, co-organized in partnership with EC JRC IET and US DOE, is held on the even years between the International Conferences on Hydrogen Safety (ICHS), which is held on the odd years. The research priorities workshop is intended to identify the State-of-the-Art understanding of the physical behavior of hydrogen and hydrogen systems with a focus on safety events. Behavior of unintended hydrogen releases, transient combustion phenomena, effectiveness of mitigation measures or hydrogen effects in materials are typical issues addressed. In the workshop, critical knowledge gaps are identified and areas of research and coordinated actions for the near and medium term are derived and prioritized. The stimulated research shall then help to pave the way for the rapid and safe deployment of hydrogen technologies on a global scale. The workshop is organized as an internationally open meeting to support the idea of delivering globally accepted research priorities for hydrogen safety. In attendance are the academic community (Universities, National Laboratories, etc.), funding agencies and industry. The industry component is critically important to make sure the research priorities articulated are well aligned with the current needs of the industry responsible for the actual deployment of hydrogen technologies.

Find more details about HySafe at www.hysafe.info.

CONTACT INFORMATION

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Attachments as separate files:

- HySafe and ICHS logos
- ICHS2013 picture
- HySafe member logo

