

# Ernst-Arndt (Ernie) REINECKE

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Since the beginning of his professional career in 1996, Ernst-Arndt Reinecke has been working in the field of hydrogen safety for nuclear power plants at Forschungszentrum Jülich (Germany). His PhD formed the basis with experimental research on passive auto-catalytic recombiners (hydrogen safety devices in nuclear power plants). After graduation he held responsibility for the experimental work performed in the hydrogen laboratory at Jülich, operating flow reactors and a 5.5 m<sup>3</sup> pressure vessel for experimental safety studies with hydrogen/air mixtures up to highly flammable gas mixtures.

Since the year 2004, Ernie is representative of Forschungszentrum Jülich in the International Association HySafe (Safety of Hydrogen as an Energy Carrier). He has been responsible for the activity “Integration of Experimental Facilities”, providing a comprehensive overview of the European infrastructure on experimental hydrogen safety research. Furthermore, he organised a series of workshops on measurements and instrumentation in hydrogen safety experiments, involving experimentalists from many European countries.

In the last decade, Ernie has been involved in numerous industrial projects on hydrogen recombiner development and qualification. He is member of several international committees related to hydrogen safety, e.g. the Scientific Committee of the biennial International Conference on Hydrogen Safety (ICHHS) and the OECD/NEA Working Group on the Analysis and Management of Accidents. He is author of a considerable number of publications reflecting his long-standing experimental work as well as his involvement in national and international hydrogen safety research projects.