



Ulrich Schmidtchen

Federal Inst. for Materials Research and Testing (BAM)



Ulrich Schmidtchen studied physics at the Free University of Berlin and made his PhD (Dr. rer. nat.) in 1986 with a thesis on superfluid flow of Helium.

After this he joined the Federal Institute for Materials Research and Testing (BAM) in Berlin where he worked since then in the department “Chemical Safety Engineering”. His work dealt with safe handling of various flammable gases, in particular LPG, also acetylene, but mainly hydrogen. Since 2020 he is on leave due to a part-time agreement.

Ulrich Schmidtchen was the representative of BAM in quite a number of research projects, many of them on EU level. The first of these was EQHHPP. The BAM contributions were either experimental work in large scale or studies in safety and legal matters.

His work also comprised regulation and standardization. For many years he was the representative of DIN in ISO TC 197 “Hydrogen Technologies”; in this context he chaired a working group which produced a basic paper on hydrogen safety (ISO TR 15196 “Basic considerations on the safety of hydrogen systems”). He did related work in various CEN committees and on the German level.

In 1996 Ulrich Schmidtchen was co-founder of the German Hydrogen and Fuel Cell Association (DWV) and served as a board member for 24 years.