

MOLKOV Vladimir
Professor of Fire Safety Science
Director of Hydrogen Safety Engineering and Research Centre (HySAFER)
Ulster University (Northern Ireland, UK)
Mail: v.molkov@ulster.ac.uk



Curriculum

Vladimir MOLKOV. Born in Gorky, USSR in 1953. MSc in Quantum Radiophysics (1977), PhD in Chemical Physics, including Physics of Combustion and Explosions (1984), DSc in Fire and Explosion Safety (1997).

In 1978 started his research carrier at All-Union Research Institute for Fire Protection (USSR). Since 1999 Professor of Fire Safety Science at Ulster University. In 2008 established and directs HySAFER Centre at Ulster, one of key providers of hydrogen safety research and education globally.

He is UK expert in UN GTR#13 (Phase 2) IWG SGS; ISO TC197 Hydrogen Technologies; CEN/CLC/JTC6 Hydrogen in Energy Systems; BSI PVE/003/08 Gas containers - Hydrogen technologies. Member of Hydrogen Energy Research (Technical Committee on Cross-Cutting Research Activities), European Hydrogen Safety Panel and Regulations Codes and Standards Strategy Coordination Group (RCS SCG) of Fuel Cell and Hydrogen Joint Undertaking (FCH JU), etc. Chair of Education Committee, International Association for Hydrogen Safety. Initiated the only higher education courses in hydrogen safety, e.g. distance learning Postgraduate Certificate in Professional Development (Hydrogen Safety) at Ulster University.

Prof Molkov champions hydrogen safety research and education in the UK through the EPSRC SUPERGEN H2FC Hub and EPSRC Centres for Doctoral Training projects. Coordinated and contributed to 30 national and European projects, all related to hydrogen safety with funding more than €10M.

He has 350+ publications and 15 inventions. Membership of seven editorial boards of journals, four scientific and organising committees of international conferences. He published the monograph “Fundamentals of Hydrogen Safety Engineering” (free download at the publisher website: www.bookboon.com).