

# Vladimir MOLKOV

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[https://www.ulster.ac.uk/research/topic/  
built-environment/hydrogen-safety-  
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Vladimir MOLKOV has MSc in Quantum Radiophysics (1977), PhD in Chemical Physics (1984) from Moscow Institute of Physics and Technology, and DSc in Fire and Explosion Safety (1997) from All-Russian Institute for Fire Protection. 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 the HySAFER Centre, one of key providers of hydrogen safety research and education globally.

UK expert in UN ECE Global Technical Regulation on Hydrogen and Fuel Cell Vehicles #13; ISO/TC197 Hydrogen Technologies; CEN/CLC/JTC6 Hydrogen in Energy Systems. Member of BSI PVE/003/08 Gas containers - Hydrogen technologies, British Compressed Gas Association, Hydrogen Europe Research, European Hydrogen Safety Panel. Chair of Education Committee, International Association for Hydrogen Safety. Initiated the higher education courses in hydrogen safety, i.e. distance learning Postgraduate Certificate in Hydrogen Safety at Ulster University.

Champion hydrogen safety research in the UK through the EPSRC H2FC Hub project and leads doctoral education in hydrogen safety in the UK through EPSRC Centre for Doctoral Training "Sustainable Hydrogen". Coordinated and contributed to 32 national and European projects on hydrogen safety worth €10M. 360+ publications, 15 inventions, published the only monograph in the field "Fundamentals of Hydrogen Safety Engineering" (free download at: [www.bookboon.com](http://www.bookboon.com)). Member of 6 editorial boards of journals, 4 committees of international conferences. One of inventors of the breakthrough safety technology of explosion free in a fire TPRD-less tanks for high-pressure hydrogen storage.