

Elena VYAZMINA

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Elena VYAZMINA has got an MSc in Applied Mathematics and Physics (2006, Moscow Institute of Physics and Technology, Russia), a PhD in Chemical Engineering (2007, Ishlinsky Institute for Problems in Mechanics, Russian Academy of Science, Russia) and a PhD in Fluid Mechanics (2010, Ecole Polytechnique, France).

In 2010 Elena started her research carrier at Air Liquide R&D and focused on hydrogen and oxygen safety. Elena is an Air Liquide group international expert in safety. She participated in various Task Forces, French and International Working Groups such as WG of ICSI (Institute for Industrial Safety Culture), WG of the Ministry of Ecology, Sustainable Development and Energy, INERIS WG, WG of CGA (Compressed Gas Association). She is also a member of European Hydrogen Safety Panel. Elena worked on the modelling and design of mitigation means for pipeline leakages and ruptures, combustion of metals pure oxygen, vehicle refueling, accumulation of hydrogen, explosions. She has functional responsibility of 11 full-time equivalent persons. Elena coordinates projects dedicated to Hydrogen refueling stations and Hydrogen safety covering protocol development, station design, safety aspects, quality of the dispensed gas, logistic, regulations codes and standards harmonization. She is a member of ISO TC197-WG24. She participates in the preparation and execution of several FCH JU projects (Preslhy, SAFIT, Hyindoor, Phyde, MultHyFUEL) and JIP programs.

Elena participated in the preparation and deliverance of Air Liquide Internal Risk Managers Training, she supervise PhD students and trainees. Elena is also involved in the promotion of hydrogen safety deployment via her participation in various salons (e.g. COP21) and official presentations. She has co-authored 80 international scientific publications, 45 of them related to safety issuers of hydrogen, as well as 15 inventions.