

Press release

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<http://www.efce.org>

EFCE Working Party on Loss Prevention presents Process Safety Awards at the Loss Prevention Symposium 2022

Dr. Federica Ovidi is the winner of the 2022 Excellence Award in Process Safety of the European Federation of Chemical Engineering (EFCE). Her excellent thesis on "*Development of a methodological framework for the integrated HSE assessment of LNG supply and utilisation chain*", completed at the University of Pisa, Italy, under the supervision of Prof. Chiara Galletti, Prof. Gabriele Landucci, and Prof. Leonardo Tognotti, was unanimously selected by the jury as the best submission.



Operational, technological, and safety issues in the natural gas chain related to Liquefied Natural Gas (LNG) come from the high flammability of the substance, the extremely low operative temperature (about $-162\text{ }^{\circ}\text{C}$), as well as the potential to generate large amount of vapour in case of release. These hazardous issues are encountered during LNG storage and transport, which are often located in vulnerable areas. In her thesis Federica Ovidi analysed the LNG storage and transport systems through a multiscale approach: from the stand-alone storage tank to the storage tanks in industrial layouts, and the transport systems in sensitive areas. She developed advanced probabilistic and deterministic studies, incorporating Computational Fluid Dynamics (CFD) techniques, associated with LNG facilities.

Nominating her for the Award, Prof. Landucci wrote: "Dr. Ovidi demonstrated her scientific value and independence, providing an important effort in the development of loss prevention and process safety research, with particular reference to the LNG safety studies. Her outstanding profile is demonstrated by results obtained and published in international Journals and international conferences."

Federica Ovidi obtained her M.Sc. in chemical engineering and her Ph.D. in industrial engineering from the University of Pisa in March 2020. Thereafter, she held the position of Post-Doctoral Fellowship in industrial engineering at University of Pisa on continued working on the development of methods for the safety analysis of liquefied natural gas (LNG) transport and storage systems.

Her academic research focused on the development of innovative methods for the quantitative risk assessment in process plants, in particular in the Oil and Gas sector. She joined international projects and collaborated as Visiting PhD at the TU Delft and the Leiden University (NL).

In April 2021, Dr. Ovidi joined RINA Consulting S.p.A. in the Organizational Unit "Oil & Gas Occupational Health & Safety and Permitting" as HSE Specialist and Safety Engineer. Working as HSE Engineering Specialist, she has developed experience in the field of HSE Engineering, Safety Studies according to Seveso Directive, Quantitative Risk Assessment Analysis, Hazard Identification Techniques (HAZOP, HAZID, etc.), and Consequence Assessment.

The 2022 Excellence Award in Process Safety is generously sponsored by **Aspen Oss B.V.**



The award will be presented to Federica Ovidi on 7 June 2022 at 17th International Symposium on Loss Prevention and Safety Promotion in the Process Industries which will be held online and in Prague, Czech Republic, on 5-8 June 2022.

Secondly, on the occasion of the 17th International Symposium on Loss Prevention and Safety Promotion in the Process Industries, the EFCE Working Party on Loss Prevention and VSB – Technical University of Ostrava, Faculty of Safety Engineering are pleased to present the **EFCE Loss Prevention Symposium Award 2022** to **Professor Adam Markowski** in recognition of his outstanding and long-life contribution to the advancement of process safety in thinking, education and training, and the practical application of process and plant safety.

Ends

Related links

EFCE media centre (<http://www.efce.info/News>)

EFCE Working Party on Loss Prevention (<https://www.lossprevention-wp.eu/>)

17th International Symposium on Loss Prevention and Safety Promotion in the Process Industries (<http://www.lossprevention2022.org>)

Notes to media

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About chemical engineers

Chemical, biochemical and process engineering is the application of science, maths and economics to the process of turning raw materials into everyday products. Professional chemical engineers design, construct and manage process operations all over the world. Oil and gas, pharmaceuticals, food and drink, synthetic fibres and clean drinking water are just some of the products where chemical engineering plays a central role.

About EFCE

Founded in 1953, The European Federation of Chemical Engineering (EFCE) is a non-profit-making association, whose object is to promote co-operation in Europe between non-profit-making professional scientific and technical societies in 30 countries for the general advancement of chemical engineering and as a means of furthering the development of chemical engineering. See www.efce.org

About the sponsor

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