

Press release

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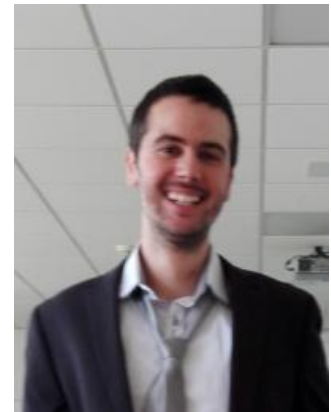
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<http://www.efce.org>

EFCE presents Process Safety Award for work on safety aspects of CO₂ handling in the frame of the Carbon Sequestration Chain

Dr. Paolo Mocellin has been named the winner of the **2019 EFCE Excellence Award in Process Safety** of the European Federation of Chemical Engineering (EFCE).

The Award recognises his excellent PhD thesis "*Carbon Capture and Storage (CCS) and Enhanced Oil Recovery (EOR) hazard analysis. Experimental investigation and modelling of multiphase CO₂ pressurized releases*" completed at University of Padova, Italy, under the supervision of Professor Giuseppe Maschio.



His research work covered key aspects of Safety Science and Technology applied to CO₂ pipeline networks in the framework of the Carbon Sequestration Chain. A synergic experimental and modelling activity was performed in order to make a modelling tool available for hazard analysis purposes. The combination of two approaches has led to the development of a global model for use in QRA studies applied to CO₂ treatment infrastructure, both in land use planning and in emergency situations. The PhD work has resulted in eleven scientific publications, in which the candidate as lead author in six papers, with a majority of these in the Chemical Engineering Transactions journal.

He said: "I am very grateful and thrilled for the nomination of this prestigious award."

Paolo Mocellin obtained his Master degree in Chemical and Process Engineering and his PhD degree in Chemical Engineering from the University of Padova, Italy. Currently, he holds a postdoctoral researcher position in Chemical and Safety Engineering. Research topic: *Natech Risk Assessment, computational fluid dynamic simulations of atypical accidental scenarios.*

In his nomination, Prof. Maschio stated: "He represents an inspired young researcher engaged in studying and disseminating Safety Science applied to engineering and sustainable industrial development."

The Award was presented on 18 June 2019 at the end of the morning plenary session of the 16th Loss Prevention Symposium, held in Delft, The Netherlands, from 16 to 19 June 2019.

The 2019 Excellence Award in Process Safety is generously sponsored by Aspen Oss B.V. and supported by TU Delft.



Ends

Related links

EFCE media centre (<https://www.efce.info/Media+Centre.html>)

EFCE Working Party on Loss Prevention (https://efce.info/WP_LP.html)

16th Loss Prevention Symposium (<https://lossprevention2019.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

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