

Press Info

David Le Touzé, Centrale Nantes professor receives the Joe Monaghan prize

On 27 June, David Le Touzé, Centrale Nantes Professor and LHEEA (Research Laboratory in Hydrodynamics, Energetics and Atmospheric Environment) researcher, received the Joe Monaghan prize, for the second time running, alongside his Italian co-authors from INSEAN, a research institute of the CNR (National Research Council of Italy).



This prize is awarded every three years for the article that has made the most significant advances in the theoretical understanding of SPH (Smoothed Particle Hydrodynamics) method, published in international journals for the period 2011-2015. David Le Touzé's (Centrale Nantes) and Andrea Colagrossi's (CNR-INSEAN) teams have been working closely on this method for 15 years. Their teams previously won this same prize 3 years ago, for the period 2008-2012.

The prize was awarded by the SPHERIC community, which brings together the vast majority of world specialists in the SPH method. This group has 70 member entities (from academia and industry) in 30 different countries. David Le Touzé chaired this group from 2010 to 2015. The entire community participated in the vote.

The award was given in person by Joe (Joseph J.) Monaghan from Monash University (Australia). He invented the method in 1977 and has more than Google Scholar 30,000 citations.

Details of the winning article:

S Marrone, M Antuono, A Colagrossi, G Colicchio, D Le Touzé, Graziani G, Delta-SPH model for simulating violent impact flows, *Computer Methods in Applied Mechanics and Engineering* 200 (2011)
The article is one of Web of Science's highly-cited papers (top 1% in Computer Science).

<https://www.sciencedirect.com/science/article/pii/S0045782510003725?via%3Dihub>

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