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Physics and techniques of micro-bubble generation

Professor Jose Manuel Gordillo
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Date: Thursday, 11th July, 2019, 15:00-16:00

Venue: 31A, 3F Faculty of Engineering Bldg. 2

Abstract:

In this talk we will first discuss the differences between drop and bubble generation, explaining the essential role played by pressure gradients in the process of bubble formation. We will then present two different micro-bubble generation techniques, one suited for large to moderate values of the Bond number, the other one for low values of this dimensionless parameter.



Biography:

Jose Manuel Gordillo finished his degree in Mechanical Engineering in 1997 and obtained his PhD degree by University of Sevilla in 2001. After a short postdoc stay at Harvard he moved to University Carlos III in Madrid in 2002. Afterwards, he got a permanent position at University of Sevilla in 2004 and he is full professor of fluid mechanics and aerodynamics at this University since 2016.