



## AMOPA Talk Series

**Professor Frédéric Dias**  
**UCD School of Mathematics and Statistics**

**! Talk in French!**

**29 April 2021**  
**@ 7pm (Dublin Time)**

### Join Zoom

<https://ucd-ie.zoom.us/j/67370071286?pwd=eHlxSFVBMmxPMHhiRIN1MEIjaVNOZz09>

On 29 April 2021, AMOPA Irlande will host a conversation with Professor Frédéric Dias (Chevalier dans l'Ordre des Palmes Académiques 2013, Royal Irish Academy 2016). Professor Dias received a PhD in Civil and Environmental Engineering from the University of Wisconsin, Madison, USA, in 1986. He started his career in the US before coming back to France to join CNRS in 1990. He moved to Ireland in 2009 and joined UCD to work on wave energy converters. He is now leading the Wave Group at UCD. Professor Dias received numerous prestigious awards for his work on waves, including three European Research Council grants in 2012, 2014 and 2019. He was awarded the Emilia Valori Prize for the Application of Sciences by the French Academy of Sciences in 2014.

Frédéric Dias will speak about his new project HIGHWAVE on wave breaking. Wave breaking is not just a fascinating scientific topic, it is also an interdisciplinary topic of considerable relevance in transfers between the atmosphere and oceans of substantial economic importance. Why do waves break? How do they dissipate energy and why is this important? A large part of HIGHWAVE involves fieldwork and relies fundamentally on the support of the communities on the Aran Islands and in Connemara for its success.



**AMOPA Irlande**

**Association des Membres de l'Ordre des Palmes Académiques en Irlande**