

**Extreme waves in Ireland:
Their observation and their generation**

Frédéric Dias, School of Mathematical Sciences, UCD

Abstract:

The talk will provide some evidence of extreme wave events and describe the main mechanisms for their generation. There will be a special focus on the west coast of Ireland and on the winter of 2013/2014. The study of extreme wave events on the ocean is a rapidly expanding area of research worldwide. Although much work in this area is based on modeling and experiments in controlled wave tanks, the starting point of all studies is of course observation in the natural world.