

**UNIVERSITY OF THESSALY**  
**School of Engineering - Department of Civil Engineering**

**Series of Scientific Lectures**  
**Academic Year 2021-2022**

**The Use of Storm Models in the Field of Ocean Engineering**

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Wednesday **9/3/2022**, Time: **11:00**

Webinar: [MS Teams](#)

Live Streaming: [DIAVLOS](#), [YouTube](#)

**Abstract:**

The category of Storm Models approach will be discussed in detail with reference to each of the models belonging to this category. Their application for long-term analysis of ocean storm will be explained and analogies and differences among them will be highlighted. Further, alternative use of this models for ocean engineering application such as energy and downtime estimation as well as extreme wind speed calculation will be presented. These models have the peculiarity to use a simplified storm time history to model the specific problem whatever is the kind of analysis. The simplified storm differs from one model to another and is determined by imposing a kind of equivalence between important storm parameters of actual and equivalent storm.

