

Seminar EDPs

Speaker: Gastón Vergara Hermosilla, Institut de Mathématiques de Bordeaux, Université de Bordeaux, Francia.

Title: Some ideas to obtain energy in Chile.

Abstract: In this talk we will present advances of a program that studies the modeling, analysis and control of models that describe the dynamics of wave energy converters (WEC) devices. In particular we will study two nonlinear models of an oscillating water column, where the one-dimensional shallow water equations in the presence of this device are essentially reformulated as two transmission problems: the first one is associated with a step in front of the device and the second one is related to the interaction between waves and a fixed partially-immersed structure. We will close the talk, by presenting the potential of the Chilean coasts for the implementation of this type of energy devices and some perspectives of our program.

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Meeting ID: 825 0943 3455

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Thursday (7/29) at 4:15 pm (Chilean time).