



Geofizički odsjek

Prirodoslovno-matematički fakultet, Sveučilište u Zagrebu

Horvatovac 95, 10000 Zagreb

Tel. (01) 4605-900, fax: (01) 4680-331

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O B A V I J E S T

Dana **15.2.2011. (utorak!)** u **14¹⁵** održat će se u okviru seminara i kolokvija na Geofizičkom odsjeku PMF-a sljedeće izlaganje:

Dr. Miguel Teixeira

(Centro de Geofísica da Universidade de Lisboa, Portugal):

Understanding the structure of turbulence in the oceanic boundary layer

ABSTRACT: Turbulence in the oceanic boundary layer displays a different structure from atmospheric boundary layer turbulence, essentially because, in the former case, the effect of surface waves cannot be neglected. In this talk I will try to show how rapid distortion theory, where the boundary layer flow is linearized with respect to the turbulence, can be used to understand the physical processes shaping the most salient aspects of the statistical structure of this turbulence. Two external forcings on the turbulence are considered: shear associated with wind induced currents and the Stokes drift of surface waves. It is shown how different relative magnitudes of these forcings can produce turbulence structures ranging from boundary layer streaks to streamwise vortices typical of Langmuir circulations.

Pozivaju se studenti, absolventi i svi zainteresirani da prisustvuju predavanju, koje će se održati u predavaoni br. 2 Geofizičkog odsjeka PMF-a, Horvatovac 95, Zagreb. Studentima 2. godine diplomskog sveučilišnog studija fizika - geofizika je prisustvovanje predavanjima u sklopu Geofizičkog seminara obavezno.