



Geofizički odsjek

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O B A V I J E S T

Dana **26.11.2010. (petak!)** u **15¹⁵** održat će se u okviru seminara i kolokvija na Geofizičkom odsjeku PMF-a sljedeće izlaganje:

Dr. Carmen J. Nappo, senior scientist

(*CJN Research Meteorology, Knoxville, Tennessee, U.S.A.*):

**Turbulence stationarity, inflation and wind persistence
in the stable planetary boundary layer**

ABSTRACT: This seminar presents analyses of turbulence and wind persistence in the stable planetary boundary layer (PBL). Specifically, we examine the questions: (1) what is a typical time scale during which turbulence statistics remain nearly constant, *i.e.*, stationarity: what is a typical time scale during which the horizontal wind speeds remain nearly constant, *i.e.*, persistence: and (3) what are the effects of not removing wave-like motions in the calculations of turbulence fluxes, *i.e.*, inflation. Theoretical discussions of these concepts are presented and evaluated using real data. It is argued that while seemingly of small magnitude these effects can have a strong impact on the calculations of nighttime fluxes, especially in the very stable PBL. This is important not only to data analysis but also to PBL parameterizations used in numerical models.

Pozivaju se studenti, apsolventi 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.