



# НАУЧЕН СЕМИНАР

ВХОД СВОБОДЕН

за всички желаещи

ПРОФ. ФАБИО РОМАНЕЛИ ОТ УНИВЕРСИТЕТА НА ТРИЕСТ (ИТАЛИЯ)

Физически Факултет, кат. „Метеорология и Геофизика“

**4-5 септември 2017**

## **I. Физика на вълните**

Понеделник, 04.09.2017, 16:00, зала В60 (сграда В, ет. 4)

**Abstract:** Wave Physics – from sound to tsunami waves. The short course would provide the base of knowledge necessary for the comprehension of the physics of waves in the Geosphere (i.e. atmosphere, hydrosphere and lithosphere). The addressed topics will especially focus on the generation and propagation of seismic waves, also as a tool for the multiscale study of Earth's interior.



## **II. Хазарт и риск в сеизмологията**

Вторник, 05.09.2017, 15:00, зала В60 (сграда В, ет.4)

**Abstract:** Different facets of natural hazard assessment. Lessons learnt from the destructive earthquakes occurred during the new millennium provide new opportunities to take action, revise, and improve the procedure for seismic hazard assessment (SHA). When dealing with cultural heritage and critical structures (e.g., nuclear power plants), where it is necessary to consider extremely long time intervals, the relevance of the realistic seismic modelling allows the optimization of the structural design with respect to the site of interest. This approach naturally supplies realistic time series of ground motion useful to preserve urban settings, historical monuments, and relevant man-made structures.

