

ΕΛΛΗΝΙΚΟ ΜΕΣΟΓΕΙΑΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ

ΣΧΟΛΗ ΜΗΧΑΝΙΚΩΝ

Διάλεξη Σχολής Μηχανικών

Τρίτη 29/10/2019

Αίθουσα συνεδριάσεων νέου κτιρίου Σχολής Μηχανικών

Έναρξη διαλέξεως: 13.15 μ.μ. (Καφές: 13.00 μ.μ.)

N. Μπικάκης

University of Ioannina and Atypon Inc

Data Visualization in Big Data Era

The purpose of visual data exploration is to facilitate information perception and manipulation, knowledge extraction and inference. Visualization systems are of great importance in Big Data era, in which the volume and heterogeneity of available information make it extremely difficult for humans to explore and analyse data. Hence, the area of data visualization and analysis has gained great attention recently, calling for joint action from different research areas from the HCI, Computer graphics, and Data management and mining communities.

In this talk, we will discuss the nowadays challenges, and present our work on visual data exploration over very large datasets. Particularly, in the first part we will present a framework that provides on-the-fly visual exploration over big raw data. In the second part, we will describe a system for efficient multi-level visual exploration over large datasets. Finally, we will present a scalable platform for visualizing big graph data.