ΑΡΙΣΤΟΤΕΛΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΟΝΙΚΗΣ
ΤΜΗΜΑ ΦΥΣΙΚΗΣ

ΣΕΜΙΝΑΡΙΟ

ΤΟΥ ΤΟΜΕΑ ΑΣΤΡΟΦΥΣΙΚΗΣ, ΑΣΤΡΟΝΟΜΙΑΣ ΚΑΙ ΜΗΧΑΝΙΚΗΣ

Θέμα: «New Views of the Solar Corona from STEREO and SDO»

Ομιλητής: Angelos Vourlidas,
Space Sciences Division, Naval Research Laboratory, USA

Ημερομηνία: Παρασκευή 6-05-2011

Τόπος: Εργαστήριο Αστρονομίας

Ώρα: 12:00

Περίληψη

In the last few years, we have been treated to an unusual visual feast of solar observations of the corona in EUV wavelengths. The observations from the two vantage points of STEREO/SECCHI are now capturing the entire solar atmosphere simultaneously in four wavelengths. The SDO/AIA images provide us with arcsecond resolution images of the full visible disk in ten wavelengths. All these data are capture with cadences of a few seconds to a few minutes. Heliophysics is fast approaching the point of information overload. In this talk, I review some intriguing results from our first attempts to deal with these observations which touch upon the problems of coronal mass ejection initiation and solar wind generation. I will also discuss data processing techniques that may help us recover even more information from the images. But, in reality, the talk will be more about the beautiful images and movies of the EUV sun...rather than detailed scientific results.

Το Σεμινάριο θα γίνει στην «Αίθουσα Βασίλης Ξανθόπουλος» στο Αστεροσκοπείο