



ΑΡΙΣΤΟΤΕΛΕΙΟ
ΠΑΝΕΠΙΣΤΗΜΙΟ
ΘΕΣΣΑΛΟΝΙΚΗΣ

ΣΕΜΙΝΑΡΙΟ ΤΜΗΜΑ ΦΥΣΙΚΗΣ

Τετάρτη 17 Δεκεμβρίου 2014

ώρα 12⁰⁰

Αίθουσα Α₃₁

Κύκλος σεμιναρίων



... ένα ταξίδι
σύγχρονης

στον κόσμο της
Φυσικής

στο Τμήμα Φυσικής

Past and future of Crystallography
: from order to disorder



Dr Souren Grigorian
University of Siegen

United Nations proclaimed 2014 as the International Year of Crystallography (IYCr2014). It is difficult to overestimate the role of Crystallography in our life. Being interdisciplinary, Crystallography has a strong influence on physics and chemistry, geosciences and materials science.

Starting from historical overview, in the talk the development of X-ray diffraction crystallography will be addressed. An advantage of X-ray crystallography will be demonstrated for various classes of materials such as inorganic semiconductors and polymers. Perspectives of X-ray crystallography with availability of new x-ray sources will be also discussed.

Το προφίλ του ομιλητή



Dr Souren Grigorian, received his PhD on 2000 from Institute of Crystallography Russian Academy of Sciences. From 2008 is the Head of Soft Matter Physics Group of University of Siegen. Previously he was Assistant scientist in Solid State Physics of Siegen (2005-2007), research scientist in the Institute of Crystallography RAS Moscow (2004), post-doctoral fellow, Institute of Physics of University of Potsdam (2003), DAAD fellow in University of Potsdam (2001-2002). He is also member of German Physical Society DPG, Material Research Society (MRS) and European Crystallographic Association.

His scientific interests are Surface-sensitive x-ray techniques for organic electronics, development of in situ x-ray methods, structural characterization of semicrystalline organic films, direct correlation of the structure and electrical performance of the conjugated polymers and oligomers, structural studies on nanoscale.