



Synchrotron radiation for basic and applied sciences: SESAME

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SESAME (Synchrotron-light for Experimental Science and Applications in the Middle East)

on leave from

Elettra - Sincrotrone Trieste S.C.p.A.



SESAME (Synchrotron-light for Experimental Science and Applications in the Middle East) is a laboratory being built in Allan (منطقة علان), 35 km from Amman. It is the first initiative of its kind in the Middle East and will give tremendous research opportunities to the Region: Synchrotron Radiation is indeed becoming a more and more important research tool for the comprehension of basic properties of matter, and for the analysis of materials, both natural and produced by artificial processes. Its applications spans from atomic and molecular physics to life sciences, materials sciences, cultural heritage, just to mention some. During the talk a short introduction of the properties of Synchrotron Radiation will be given and the status of the SESAME project and its perspective scientific programs will be discussed.

Note:

- 1- The lecturer got his PhD degree in condense matter physics from an Italian National *ad hoc* committee in 1987.
- 2- The lecture will be in English language, and it is for public audience who has a basic knowledge of physics (Lecture level is 1).
- 3- Elettra - Sincrotrone Trieste S.C.p.A. is a multidisciplinary international research center located in Basovizza on the suburb of Trieste, Italy. This center is specialized in generating high quality synchrotron and free-electron laser light and applying it in materials science.

Venue : Meeting room (room number 320), Physics department, University of Jordan

Date and time: Wednesday 17 December 2014, 2:30 – 3:30

Arranged by

Seminars Committee: Prof. Marouf Haj-Abdallah, Dr. HASSAN JUWHARI, Dr. Khaled Bodoor, Dr. Moneeb Shatnawi, Dr. Riad Shaltaf, Dr. Ala'a Azzam