



The supervisory board of the Kestcells Project announces the Seminar UAM:

“Growth and characterization of  $\text{Cu}_2\text{Zn}(\text{Sn},\text{Ge},\text{Si})(\text{S},\text{Se})_4$ ”

**Dates:** 23<sup>rd</sup> June, 2014.

**Place:** University Autonoma of Madrid, Applied Physics Department, Module 12 (Sala de Seminarios), C/ Francisco Tomás y Valiente 7, 28049 Madrid, Spain

**Summary:**  $\text{Cu}_2\text{ZnSn}(\text{S},\text{Se})_4$  are abundant and environmentally friendly thin film absorbers. A recent conversion efficiency of nearly 13% has been produced on kesterites  $\text{Cu}_2\text{ZnSn}(\text{S},\text{Se})_4$  based thin film solar cells.

Some of the recent studies in this field of growth and characterization of  $\text{Cu}_2\text{Zn}(\text{Sn},\text{Ge},\text{Si})(\text{S},\text{Se})_4$  will be presented and discussed. Main attention will be paid to transport, luminescence and spectroscopic ellipsometry measurements.

**Program**

Time	Subject	Speaker
12:00-13:00	Growth and characterization of $\text{Cu}_2\text{Zn}(\text{Sn},\text{Ge},\text{Si})(\text{S},\text{Se})_4$	Prof. Ernest Arushanov, Institute of Applied Physics, Academy of Sciences of Moldova

