



The supervisory board of the Kestcells Project announces the Seminar EMPA-01:

“Phase diagrams: from basics to understanding chalcogenide materials”

Dates: 5th of November, 2013.

Place: Meeting room NO 207, Empa, Ueberlandstrasse 129, CH-8600 Dübendorf

Summary: An introduction to the basics of phase diagrams and their applications for chalcogenide materials relevant to solar cells. The theoretical part will be preceded with a practical session on metallographic analysis.

Program

Time	Subject	Speaker
14:00-15:00	Practical training in sample preparation using chemical-mechanical polishing for metallography.	Y. Romanyuk
15:00-15:45	Analysis of a chalcogenide sample with a metallographic microscope.	Y. Romanyuk
16:00-17:00	Open seminar: <ul style="list-style-type: none"> • Basics of thermodynamics • Types of phase equilibria and diagrams • Methodology of constructing phase diagrams • Understanding the $\text{Cu}_2\text{X-SnX}_2\text{-ZnX}$ (X=S,Se) diagrams 	S. Haass /Y. Romanyuk