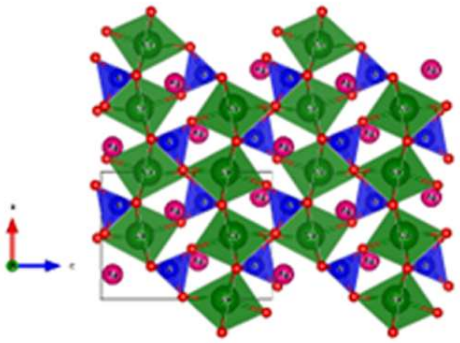
THE UNIVERSITY OF QUEENSLAND
AUSTRALIA

CMM

Frontiers in Microscopy & Microanalysis

Advances in Laboratory X-ray Diffractometry

Modern tabletop XRD instrument for the analysis of powders and thin films.

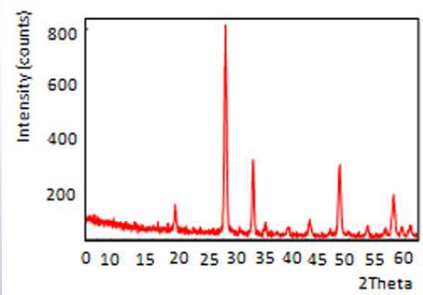


Structure of $AgCaVO_4$ solved using Aeris

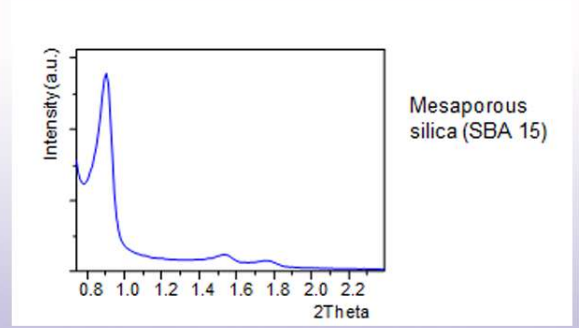
By Olga Narygina
Malvern Panalytical

In this seminar we will introduce Aeris – miniaturized version of a floor-standing laboratory diffractometer. Aeris enables quantitative phase analysis of powders in reflection and transmission geometries, as well as the study of thin films using grazing incidence geometry.

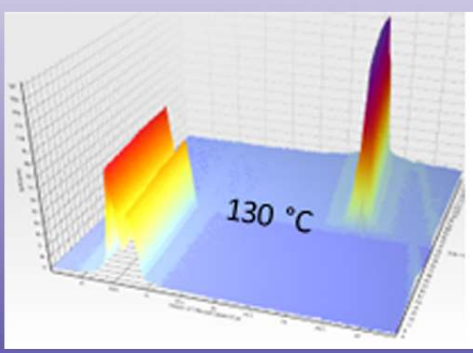
The seminar follows a demonstration of the AERIS Tabletop XRD instrument in the Laboratory for X-ray Material Science & Spectrometry.



Indium Tin oxide (ITO) layer on glass



Mesaporous silica (SBA 15)



α- to β–phase transformation of KNO_3

Malvern Panalytical
a spectris company

The University of Queensland/CMM & Malvern Panalytical
Location: AIBN Blg. 75 Level 1 Seminar Room
Zoom: https://uqz.zoom.us/j/86741412507
on Thursday 8th September 2022; 10:00-11:00 (AEST)