

Contribution ID: 372

Type: Poster Presentation

Computer simulation of cobalt pentlandite

Wednesday, 13 July 2011 17:00 (2 hours)

Cobalt pentlandite (Co₉S₈) is the major source of cobalt. Of the several cobalt minerals, cobalt pentlandite is the most abundant and has the widest geographical distribution. This presentation looks at the computer simulation of Co₉S₈ structure using different computer simulation techniques, i.e. METADISE, VASP. These techniques have been employed to investigate the effect of molecular adsorption of water on the low-index surfaces of Co₉S₈

Level (Hons, MSc,
> PhD, other)?

PhD

Consider for a student
 award (Yes / No)?

No

Would you like to
 submit a short paper
 for the Conference
 Proceedings (Yes / No)?

No

Primary author: Mr MEHLAPE, Mofuti (University Of Limpopo (Turfloop Campus))

Presenter: Mr MEHLAPE, Mofuti (University Of Limpopo (Turfloop Campus))

Session Classification: Poster1

Track Classification: Track A - Condensed Matter Physics and Material Science