

Session Program

8-10 Jun 2016

Siam Physics Congress 2016

Session VIII

Wednesday 8 June

13:30

Session VIII: Tr. 5 Condensed Matter Physics

Session | Location: Room J3 | Convener: Dr Anucha Yangthaisong

13:30–14:00 **High Pressure Phase Transitions of Transition Metal Hydrides**

Speaker

Udomsilp Pinsook

14:00–14:15

Predicting the High-Pressure Phases of Transition-Metal Tetraborides (TMB₄, TM = Fe, Ru, and Os) using Evolutionary Algorithm

Speaker

Dr Komsilp Kotmool

14:15–14:30

An investigation on lattice vibration and negative thermal expansion of ScF₃ and other D₀₉ structure materials

Speaker

Ms Tipaporn Patniboon

14:30–14:45

First-Principles Study of Alkali Metal Intercalated in 2H-MoS₂

Speaker

Mr Thanundon Kongnok

14:45–15:00

Carrier mobility for acoustic phonon scattering in 2D extrinsic graphene

Speaker

anucha pratumma

15:00