PhD Research Project

Scholarship opportunity in the area of Titanium alloy research

‘Ti alloys processing and microstructure effect on mechanical properties for aerospace and medical applications.’

Supervisor: Dr Samuel Lim
Email: Samuel.Lim@monash.edu
Department: Materials Science and Engineering
Deadline: February 2020

Description

This project seeks to understand the influence of thermomechanically processed Titanium (Ti) alloys and the mechanism of microstructure evolution on the mechanical properties particularly that of fatigue. A novel processing route of Ti alloy will be investigated as well in this work to determine its applicability for industrial applications. This project is seeking candidates with experience in thermomechanical simulation of metals however those with metallurgy and/or metal processing backgrounds are strongly encouraged to apply too. The rigorous PhD training in Monash University and state of the art equipment available will help the candidate for his/her future engineering and scientific career.

If you are interested or would like to find out more, please send your CV and academic transcripts to Dr Samuel Lim (samuel.lim@monash.edu) as soon as possible before the February 2020 as the current Monash scholarship application round for international students closes at the end of March 2020. Please see the Monash University website for eligibility requirements (http://www.monash.edu/graduate-research/future-students/apply).