THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

PHD STUDENT SEMINAR

Stochastic Continuum Models for High-Entropy Alloys with Short Range Order

By

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Abstract

In this paper, we establish stochastic elastic model and stochastic Peierls--Nabarro (PN) model with short range order (SRO) in high--entropy alloys (HEAs). These models are applied to describe the physical quantities in high--entropy alloys (HEAs) in the continuum scale with or without defect, which incorporate the atomic level randomness.

Date : 6 May 2022 (Friday)
Time : 11:30am
Zoom Meeting : https://hkust.zoom.us/j/92516740855 (Passcode: 123456)

All are Welcome!