

**DEPARTMENT OF MECHANICAL ENGINEERING****SEMINAR****Online**

Title: Mechanical properties of medium entropy alloys

Speaker: Mr. Pan Shuai (PhD candidate)
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Date: 16 April, 2021 (Friday)

Time: 2:00 p.m.

Zoom Link: 1) Link to join the meeting:

<https://hku.zoom.us/j/7862831227?pwd=TIhHU20rQ2tzZFFVMEZmU1IHUTBldz09>

2) Meeting ID: 786 283 1227

3) Password: pDkT71

Abstract:

High entropy alloys have attracted much attention during the past decade due to their excellent comprehensive properties. Based on the definition of the high entropy alloy, a new class of alloy, called medium entropy alloy, has been proposed. Medium entropy alloys are usually composed of three principal elements with the same concentration. Numerous investigations have shown that medium entropy alloys possess as good mechanical properties as high entropy alloys. Because of less main elements, it is easier for researchers to study the role of different elements in the medium entropy alloys played during plastic deformation, which can also provide guidance to understand the superior mechanical properties of high entropy alloys. This seminar will focus on recent research progresses on the mechanical properties and deformation mechanisms of the medium entropy alloys and give a brief introduction of the speaker's research topic.

ALL INTERESTED ARE WELCOME

For further information, please contact Prof. M.X. Huang at 3917 7906.

Research area: Advanced Materials