

Indo-Australian Symposium on Lightweight Metals and Alloys for Engineering Applications

23-24th January 2025

Co-Ordinator:

Prof. Jyotsna Dutta Majumdar

Prof. Indranil Manna

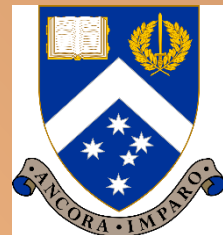
Prof. Tapas Kumar Bandyopadhyay

Prof. Raman Singh

Prof. Amit Roy Chowdhury

Department of Metallurgical & Materials Engineering
Indian Institute of Technology Kharagpur

In Association with



Important Dates:

Last date of registration: 15th January 2024

Registration fee: Free

About the Symposium

Lightweight metals and alloys are gaining immense popularity due to its high specific strength and low density. As a result, they have applications in the area of automotive, aerospace and biomedical sectors. However, the major challenges associated with its wide-ranging applicability are its low strength, poor wear resistance and poor creep property. The symposium aims at discussing the recent advancement on the development of different types of lightweight metals and alloys for structural applications and the different techniques employed for producing them. In addition, the discussion will also include the techniques employed for improving the wear, corrosion and creep resistance properties of the alloys.

Themes:

The symposium has been divided into the following themes:

- ❖ Advances in processing techniques for lightweight metals and its alloys
- ❖ Structure property correlation of lightweight metals and alloys
- ❖ Surface degradation of lightweight metals and alloys
- ❖ Coatings of lightweight metals and alloys

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