






Annual Workshop 2016

“Alloy Design — A Resource Efficient Approach”

Alloy design has moved from the informed trial and error approach to one of sophisticated computational alloy and process design. The DARE Workshop will explain how we aim to contribute towards alloy design, specifically looking at how alloy design can be accomplished with a view to resource-efficiency and the low-carbon economy. There is a major issue facing us now and increasingly in the future- many elements we use in metals have a finite resource or the resource comes from politically important areas. This is a ticking time bomb that we have to address now: design metal alloys in a resource- efficient manner, and manufacture them with the minimum possible CO₂ emission.

Presentations will be given by DARE academic and industrial partners and guest speakers; topics will include:

-  Alloy design from first principles
-  Understanding the role of microstructural variability to design new alloys and processes
-  Resource efficient net shape manufacturing technologies

Date: 1 September 2016

Location: Lecture Theatre 22
Sir Robert Hadfield Building
University of Sheffield

Submission of posters:

We encourage delegates to submit posters to the event. Details should be given when registering.

Registration:

Deadline: 31 August 2016

Register online, obtain further details about the day plus programme updates at the link below:

<http://www.darealloys.org/news>

