



DARE
DESIGNING ALLOYS for
RESOURCE EFFICIENCY

Annual Symposium 2017

“Alloy Design—A Resource Efficient Approach 3”

The manufacturing and processing of metals to form components is one of the largest industrial sectors and accounts for 46 per cent of all manufactured value. Key to future success is the introduction of new metal alloys that are designed and processed in a resource efficient manner. In recent years, alloy design has moved from the informed trial and error approach to one of sophisticated computational alloy and process design.

The “**Designing Alloys for Resource Efficiency**” (DARE) Workshop will explain how it is contributing towards a resource-efficient and low-carbon economy to reduce its reliance on strategic metals and minimise waste through the development of new metal alloys. Now in its third year, the DARE Programme will hold its next annual symposium over two days at Rolls-Royce, Derby. Presentations will be given by academics, early-career researchers, industry partners and external speakers covering the following topics:

- Alloy design from first principals through to experimental validation;
- Resource efficient high strength, formable alloys;
- Resource efficient net shape manufacturing technologies;
- Processing recycled alloys to useful products.

Date: **7&8 September 2017**

Location:

Rolls-Royce Learning & Development Centre, Derby

Poster competition:

This year we are holding a poster competition to be judged by our industry partners. Delegates should give details of their entry when registering.

Registration:

You can register between:

19 June & 1 September 2017

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

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