



**THE 'WORLD OF ALUMINIUM' WORKSHOP**  
**Real Alloy UK Limited,**  
Westfield Industrial Park, Waunarlwydd, Swansea SA5 4SF

**TUESDAY 11 SEPTEMBER 2018**

**9.00am** Registration, Tea/Coffee

**9.30 - 9.40am** Welcome

**9.40 - 9.50am** Round Table Introduction of Delegates

**SESSION 1 - INTRODUCTION TO ALUMINIUM**

- Metals and their properties.
- Sustainability, recycling aluminium and its part in the circular economy.
- The history of aluminium: aluminium in nature and the growth in usage.
- Introduction to the metallurgy of aluminium.
- Primary and secondary production of aluminium.
- Aluminium alloys and treatments - an introduction.

**11.00 - 11.15am** COFFEE BREAK

**SESSION 2 - WORKING WITH ALUMINIUM**

- Casting and Forging
- Extruding
- Rolling
- Pressing and stamping
- Joining
- Coating and finishing

**12.45 - 13.30pm** LUNCH AND GROUP PHOTO

**SESSION 3 - USES OF ALUMINIUM**

- Aerospace
- Automotive
- Construction
- Packaging and Other Uses
- Production Techniques

**15.00 - 15.15pm** COFFEE BREAK

**SESSION 4 - THE ALUMINIUM INDUSTRY**

- The global aluminium market and trading patterns.
- The London Metal Exchange, premiums and aluminium price.
- The UK aluminium industry: its component sectors, how they trade and the major players.
- ALFED's role, membership, political work and support for the industry.
- The wider picture - the International Aluminium Institute (IAI), European Aluminium (EA), and the Aluminium Stewardship Initiative (ASI).
- Training and development opportunities in the aluminium industry.

**15.50 - 16.00pm** Q & A Session, Feedback, Presentation of Certificates