



Automotive Heat Exchanger Materials

This course contains the following modules:

Session 1

Introduction to Aluminium
Automotive Heat Exchangers - Markets and Products

Session 2

Material Requirements and Developments
Clad products
Finstock Materials (DC & TRC)

Session 3

Age- hardening Behaviour
Al-Si Cladding Alloys

Session 4

Controlled Atmosphere Brazing (CAB)
Vacuum Brazing
Oxidation Behaviour

Session 5

Manufacturing Methods – Clad Products
Material Processing and Testing

Session 6

Low Temperature Brazing (LTB)
Extruded Tube Developments

Session 7

Protection Methods
Air-side Corrosion Resistance

Session 8

Waterside Corrosion Behaviour
Galvanic Compatibility

Session 9

Mechanical Testing and Formability

Session 10

Competitive Technologies
Future Trends and Developments

Session 11

Q & A / Workshop

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