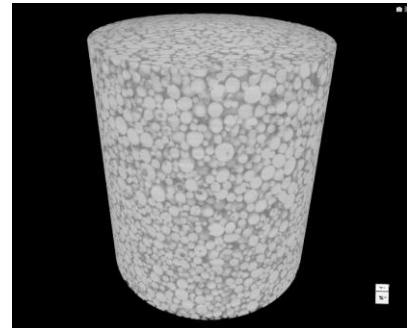
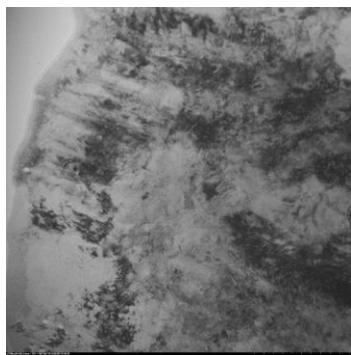
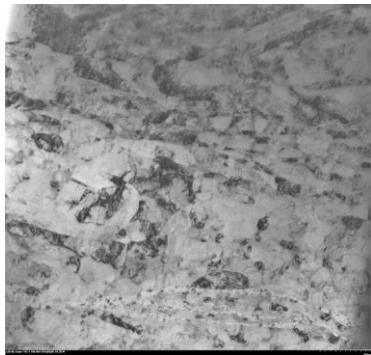
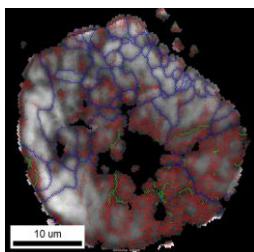
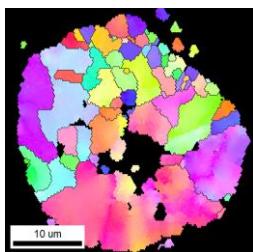


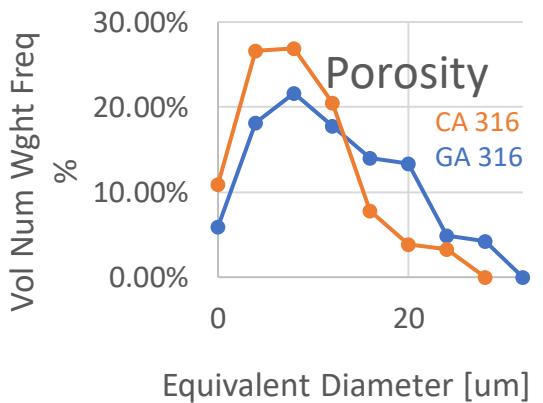
Powder characterization TEM, EBSD and uCT on powder



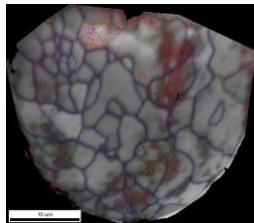
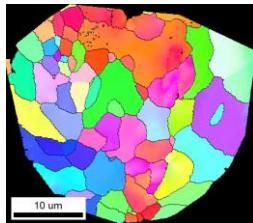
GA 316



uCT scan
Particle



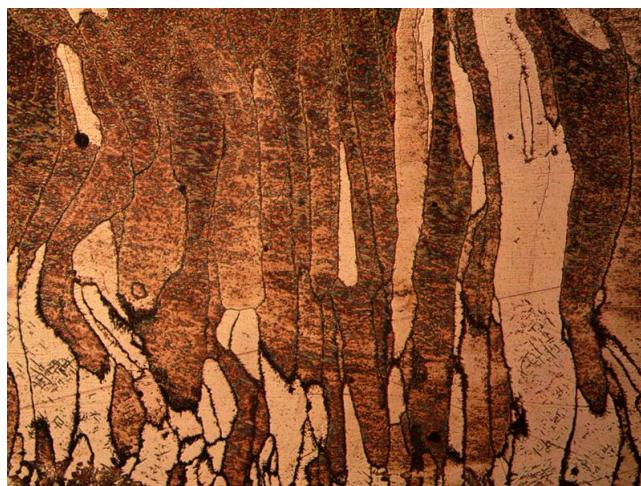
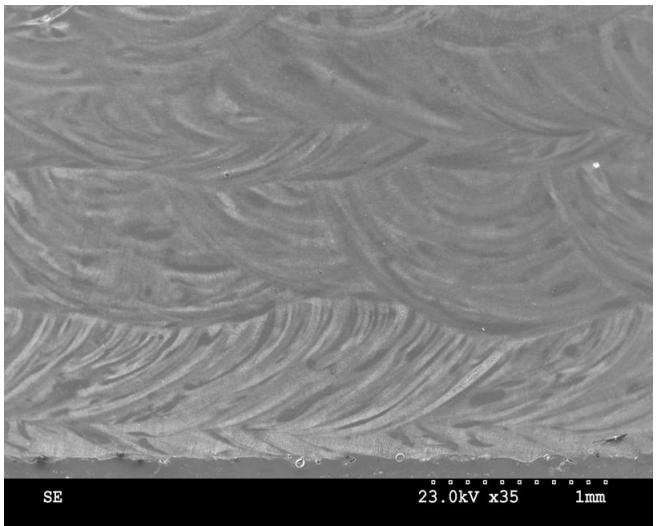
CA 316

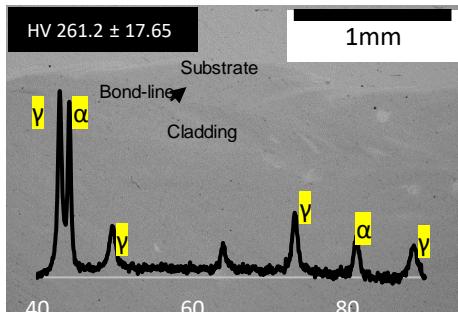


Material optimization using Metal 3D printing In situ Alloy development



Direct Metal printer
808nm 1KW Laser



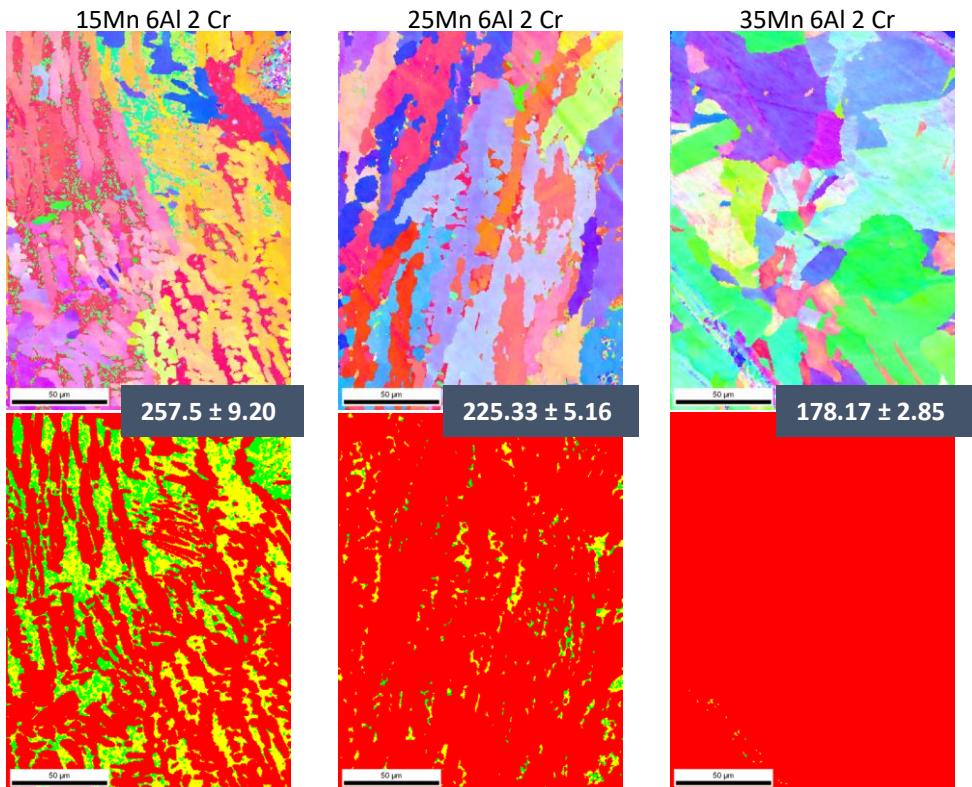


XRD data of dual phase steel alloy

EBSRD analysis showing IPF and phase determination

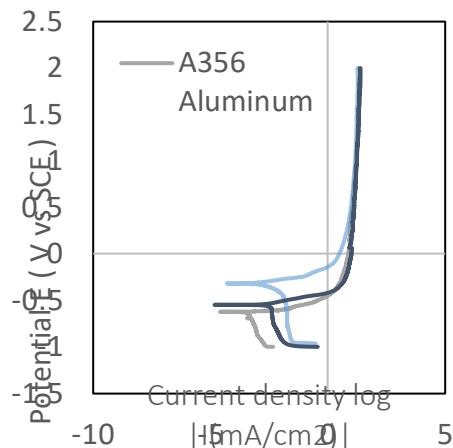
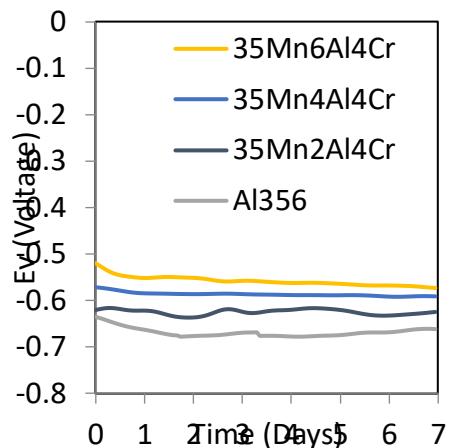
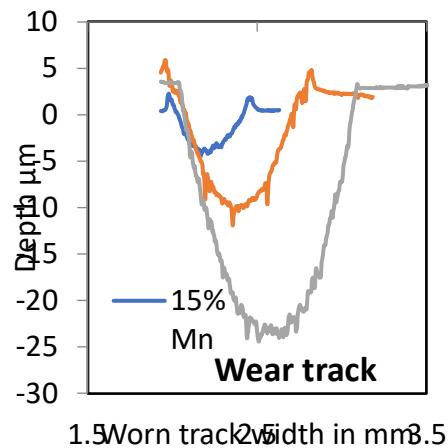
IPF & Phase map

25kV
90nm step size



Wear and Corrosion property

OCP



Alloy improvement measured with ZRA experiments

