

## 2017 Cohort

Student	Title	Lead Supervisor	Industrial Partner
Florian Buschek	Tailoring of Material Properties via Microstructure control during Metallic Additive Manufacturing	Iain Todd	GKN Aerospace
Louise Chan	Processing Beta Titanium Alloys in Powder-Based Additive Manufacturing	Iain Todd	GKN Aerospace
Simon Graham	Ore-to-More: Creating new markets for novel low-cost titanium alloys from synthetic rutile	Martin Jackson	Metalysis
Athanasios Gredis	Environmental effect on the integrity of 316 stainless steel in AGR coolant	Fabio Scenini	EDF
Callum Hunt	Chromium-coated Zirconium alloys for Accident Tolerant Fuel Cladding	Michael Preuss	Westinghouse
Philip Kearns	An investigation on the degradation mechanism and optimization design of high temperature abrasion coatings	Xiaorong Zhou	Beijing Institute of Aeronautical Materials
Oliver Levano Blanch	Development of a hybrid solid state joining process – FAST-weld – for next generation aerospace components using dissimilar titanium alloy powders	Martin Jackson	Rolls-Royce
Pablo Rodriguez Lago	Evaluation of weld deposited novel iron based hard facings	Mark Rainforth	Rolls-Royce
Pawel Stuglik	Developing novel iron-based hard-facing alloys for nuclear applications	Michael Preuss	Rolls-Royce
Stephen Thornley	Understanding the Effect of Microstructure Strain and Cold Work on Intergranular Corrosion of AGR Fuel Cladding	Dirk Engelberg	National Nuclear Laboratory & Nuclear Decommissioning Authority
Alex Wilson	Environmentally assisted cracking (EAC) of Ultra-High Strength Steels	Fabio Scenini	Airbus
Ben Wilson	Understanding the Role of Hydrogen in 7xxx Aluminium Alloys Through Atomistic Simulation	Joe Robson	Airbus
Jingwei Zhao	Quantifying the effect of vanadium additions in rail steels	Eric Palmiere	British Steel