

2012 Cohort

Student	Title	Lead Supervisor	Industrial Partner
Catherine Ainsworth	Metallic nanostructures for printed electronics applications	Prof. Brian Derby	
David Bowden	Cobalt free hard facing materials for nuclear applications	Prof. Michael Preuss	Rolls Royce
Michael Brown	Performance characterisation of a new generation nickel-base alloy for oil & gas well environment applications	Dr. Dirk Engelberg	Special Metals
Tomas Brownsmith	Thermomechanical Processing of Magnesium Alloy Elektron 43	Prof. Joe Robson	Magnesium Elektron
Karyn Cooper	Elucidating sour corrosion scales	Dr. Rob Lindsay	BP
Huw Dawson	Radiation-induced microstructural evolution of ODS steel welds for next generation nuclear reactors	Dr. Enrique Jimenez Melero	TWI
Velissarios Demetriou	The effect of microstructure on the performance of nickel-based alloys for use in oil and gas applications	Prof. Joe Robson	BP
Lee Farren	Organic finishes on coil-coated steel: surface treatments and cut edges	Prof. Stuart Lyon	AkzoNobel
Alex Mackie	Development of new magnetic materials using high throughput approaches	Dr. Russell Goodall	European Space Agency
Kamal Miah	Industrial symbiosis within the steel industry	Dr. Richard Thackray	Tata Steel
James Pollard	Modelling of hot titanium extrusions for enhanced shape, microstructure and crystallographic texture control	Prof. Brad Wynne	Alcoa
Matthew Topping	Breakaway growth in neutron and proton irradiated Zr alloys	Prof. Michael Preuss	National Nuclear Laboratory