

Part II Project Talks 2014

Tuesday 6 May and Wednesday 7 May 2014 (Week 2, Trinity Term)
Hume-Rothery Lecture Theatre

Time	Student	College	Supervisor	Title of Talk
Tues 6 May				
10.30	Introduction: Dr Keyna O'Reilly			
10.45	Elizabeth Walton	STA	JTC	Bioadhesive hydrogels for extended release drug delivery in the GI tract
11.00	Lance Yang	SEH	JTC	Spatially controlled self-expanding tissue expanders
11.15	Sarah Connolly	MAN	DA/AJW	Fundamentals of creep in ODS steels
11.30	Alex Edwards	MAN	AJW	What does peening really do?
11.45	Chris Ablitt	CCC	RN/JRY	Modelling of 2D nanomaterials
12.00	Amy Goodfellow	STA	SS	Microstructural characterization of high temperature superconducting bulk materials
12.15 Lunch (St Edmund Hall)				
14.15	Henry Borrill	TRI	KP	Synthesis of N@C ₆₀ derivatives for quantum information processing
14.30	Ilija Rasovic	CCC	KP	Molecular machines with fullerene derivatives
14.45	Katherine Hazelton	MAN	JMS	Optical and magnetic characterisation of colour centres in diamond
15.00	Laiya Weng	SEH	JMS	Semiconductor nanocrystal lasers
15.15 Coffee (Hume-Rothery Foyer)				
15.45	Duncan Johnstone	STC	FD/NG	Novel routes to manufacturing layered inorganic nanomaterials
16.00	George Lane	STC	NG	Graphene and boron nitride lateral heterostructures
16.15	Chris Lippard	QNS	FD/NG	Fast and facile synthesis of nanoparticles with dedicated functionalities
16.30	Jun Li	MAN	RIT/NG/LMP	Ultra-strong and ultra-light carbon nanotube inorganic composite materials
16.45	Tom Sneddon	QNS	RIT/PRW/TRS	Flash Sintering of ceramics

Time	Student	College	Supervisor	Title of Talk
Wednesday 7 May				
09.30	Martin Tweedie	SEH	JHW	Sensor technology based on large area synthetic graphene
09.45	Sam Hodgson	CCC	JHW/AARW	Graphene-nanocrystal solar cells
10.00	Phi Macdonald	QNS	PRW	Control of impurity defect interactions for cheaper silicon solar cells
10.15	Fred Woodcock	QNS	PRW	Passivation of semiconductor surfaces for high efficiency solar cells
10.30	Coffee (Hume-Rothery Foyer)			
11.00	Thomas Scott	STC	RIT	Fatigue of Yttria Stabilised Zirconia
11.15	Owen Silk	SEH	PB/MM	High temperature oxidation of nickel-superalloys
11.30	Judging (Hume-Rothery Meeting Room)			
12.00	Lunch (Hume-Rothery Meeting Room)			