

Part II Presentations
Wednesday 2nd and Thursday 3rd May 2012 (Week 2, Trinity Term)
Hume-Rothery Lecture Theatre

Wednesday 2 May				
10.00	Introduction: Dr Keyna O'Reilly			
10.15	Alex Donora	TRI	MLG/F Audebert	Development of aluminium matrix composites
10.30	Helene Jones	MAN	JS	Fabrication of optical microcavities using focused ion beams
10.45	Alasdair Morrison	MAN	JS	Optical structures in diamond
11.00	Coffee (<i>Hume-Rothery Foyer</i>)			
11.15	Chris Hutton	TRI	SL-P/TJM	Understanding microstructural evolution under deformation in materials from nuclear reactors
11.30	Phei Qi Sim	STC	AARW	High efficiency solar cells using thin-film III-V layers on silicon
11.45	Maria Nelson	STA	AARW	Metal-Organic-Semiconductor nanowire composite for transparent conductors
12.00	Christopher Box	SEH	RIT/C Dancer	Improved Ceramic Armour
12.15	Katie Plummer	SEH	SGR/D Armstrong	Measuring elastic properties by microscillation
12.30	Lunch (<i>St Edmund Hall</i>)			

Thursday 3 May				
10.00	Rory Barker	STA	SS/CRMG	Processing of novel topological insulator thin films
10.15	Daniel Camp	MAN	HEA	Characterisation of gas barrier polymer films
10.30	Sabina Caneva	QNS	VN/HEA	Graphene-based transparent conducting thin films
10.45	Edmund Long	CCC	VN/PDN	Electrical conduction in two-dimensional nanostructures for novel nanoelectric devices
11.00	Coffee (<i>Hume-Rothery Foyer</i>)			
11.15	Anna Turskaya	MAN	M Cima/JTC	Developing a resorbable release device for drug delivery to the bladder
11.30	Toby Burton	STA	JDM/PRW	Defect engineering to increase the efficiency of multi-crystalline silicon solar cells
11.45	Ryutaro Hiratsuka	MAN	PRW/JDM/SS	Novel passivation methods for crystalline silicon solar cells
12.00	Jian Yang	STA	PRW/K Mallik	The resistivity stability of semi-insulating silicon
12.15	Lunch (<i>Hume-Rothery Meeting Room</i>)			
1.15	Charlotte Lynch	TRI	RN/JRY/VN	Modelling of inorganic nanostructures
1.30	Georgina Royle	TRI	JAC	Demonstration of nano-scale 3D visualization of dose patterns from tailored radionuclides for targeted cancer therapeutics
1.45	Jan-Karl Conermann	SEH	AIK/N Young	Atomic characterization and processing of nanoparticles
2.00	Christina Hookham	STC	R Young/NG	NanoCarb development
2.15	Christo Smallwood	TRI	JHW/JJLM	Electron spin properties of graphene
2.30	Chien Hwei Tan	TRI	JPD/CJS	Characterisation and conservation of metal work from the USS monitor
2.45	Judging and Tea (<i>Hume-Rothery Meeting Room</i>)			

