

IIB Projects - Titles for Transcripts
(@ 26/05/2016)

CRS ID	Surname	Initials	College	Reference	Title
da368	Agrawal	D	Q	F-ZG201-3	Neural Networks for Bayesian Optimisation
rja74	Andrews	R J	CL	C-HEMH-1	Dynamics of a Tethered Balloon
da370	Anstess	D	HO	A-GTP-6	MCDA of Open-Cycle Thorium-Fuelled Reactor Systems
va270	Arcos Arjona	V R	T	B-AN299-1A	Interactive Touch Screen Displays
epa23	Arnold	E P	CAI	D-MJD97-2	Fibre-optic strain measurement of cracking in masonry structures
sa667	Arshad	S	PEM	C-GTP-1	Modelling multi-rider interactions and the influence of velodrome geometry in track cycling
sa669	Au	S	CAI	F-MJFG-2	Multi-Language and Language Independent Speech Processing
rb661	Baker	R	MUR	A-SH372-4	Nanoparticle detection
jb864	Balcombe	J	CHU	D-ALJ3-1	Precise surveying on Coe Fen
dab67	Barber	D A	T	F-JL-type(b)	Avatar Matching for Training Elite Cyclists
vb320	Barbour-Smith	V	M	D-FAM-type(b)	Pedestrian Excitation of Suspension Bridges in Rural Developing Countries
lb554	Beano	L	F	B-DP387-2	Supercontinuum generation of light
mrb70	Beck	M R	K	C-JHD25-1	Pulsed magnetic field charging of high-field-strength bulk superconducting magnets
gb446	Beckham	G	G	D-JPT1000-5	Vibration Dampers for Hollowcore Floors
gb443	Bellis	G	HO	D-CRM11-1	Flexural capacity assessment of concrete slabs using upper and lower bound methods
rb656	Bennett	R	F	A-CAH1003-3	Miniature Turbojet driven Axial Compressor
awb46	Bentley	A W	R	C-GJM31-2	Optimising polymer coatings for blast protection
mb920	Bhushan	M	SID	F-OP205-5	Golf course analytics
prb38	Birch	P R	SID	F-OP205-3	Smart home heat analytics
mjb260	Blake	M J	Q	F-MCS-2	Haptic feedback control for medical applications
dmb68	Bookless	D M	JN	F-MCS-2	Haptic feedback control for medical applications
ab2076	Botu	A	EM	A-HB-3	Low Reynolds Number Lifting Cylinder
lrb38	Bounds	L R	CC	C-WJS-1	Sources of resistance within a belay device
eb529	Brown	E	CTH	D-PMG31-1	Sustainability of the Northwest Cambridge Project
zc254	Cai	Z	Q	C-JPJ1001-2	An environmental critique of a re-engined Concorde
psc37	Carey	P S	R	F-JL-type(b)	Measurement of the Frontal Area of Track Cyclists

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jc782	Carr	J	SID	B-TJF-type(b)	The design assembly and testing of a wound field motor for use in automotive auxiliary applications
tc411	Cerskus	T	PET	B-TAC1000-5	Mobile Indoor Localization with Ultrasound
jc787	Cesonis	J	G	A-AA406-1	Velcro sound
ec502	Chalklen	E	DOW	B-SH315-2	Engineering High Flux Selective Graphene Membranes
kclc2	Chang	K C L	CHU	C-POK21-3	Smartwatch Text Input
cc706	Chasty	C	CAI	D-CJB-1	The Cambridge Busway, an Engineering Analysis
jc778	Chen	J	CC	B-RAM1-3	Design of an audio amplifier
yc353	Chen	Y	W	C-POK21-1	Multitouch gesture text entry on touchscreens
akc35	Christodoulou	A K	CAI	B-IHW3-1	Advanced signal processing for high speed LED data links
jac260	Claydon	J A	JN	D-AMM24-1	Development of embodied carbon Excel tool
bc387	Coldwell	B	R	B-AN299-2	IMPEDANCE SPECTROSCOPY FOR CMOS DNA MICROARRAYS
jrc79	Coombs	J R	T	B-TJF-6	Enigma
jc784	Corbridge	J	JE	F-JMM-1	Matlab-based software tools for control
rc571	Cumming	R	T	C-HRS-3	Natural fibre composites and sandwich panels
jd605	Dai	J	CHU	F-SJG-3	Automated editing for the Music Industry
ed408	Dakin	E	Q	F-MJFG-2	Multi-Language and Language Independent Speech Processing
gd365	Daubney	G	Q	C-RSL21-1	A Computational Model of Ship Hydrodynamics using the Boundary Element Method
hfd29	Davies	H F	G	D-AA22-1	Alkali-Activated Foamed Concrete
gmd40	Davis	G M	PET	A-SH372-2	Generation of flow hot spots
ijrd2	Dawkins	I J R	CAI	A-RJM76-2	Exploring the limit of aerodynamic performance
ad657	de Varine	A	N	C-AM253-1	Image Processing of Human Glioblastoma Adhesion Sites
ynd22	Deng	Y M	CHR	D-RMF41-2	Dynamics of Timber Floors - Challenging the 8Hz criterion and improving Vibration Performance to allow Longer Spans
ed410	Deytrikh	E D	EM	A-NC-1	Engine Angiography – A Comparison of Experimental and Computational Measurement of EGR Rate in a Light-Duty, Direct Injection Diesel Engine
cd495	Diao	C	M	C-JW12-1	Mechanical behaviour of nylon musical strings
ad622	Dobrisan	A	T	D-SKH20-5	Suitability of Jacked-in Steel Piles as Tsunami Defences
idd20	Doughty	I D	CTH	D-MJD97-2	Monitoring and Assessment of the Dynamic Response of a Masonry Viaduct

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tald2	Downing	T A L	PEM	C-JHD25-3	Energy Storage Flywheel with Superconducting Magnetic Bearings
dte22	Eatough	D T	CC	D-KAS14-2	How stiff is my creased cylinder?
ce310	Ellery	C	G	C-HRS-5	A higher profile for Engineering in Science A levels
lkrf2	Fan	L K R	TH	A-PGT23-4	CFD Modelling of Aeroengine Propulsive Jets with Wings
sajf2	Fercocq	S A J	TH	D-FAM-7	Point supported & 2-way span CLT slabs
mf496	Fernandez-Martos B	M	HO	C-AJK61-2	Modelling of large scale morphogenetic transformations.
mipf2	ffrench-Constant	M I P	CHR	F-RJW57-1	Guided segmentation of archaeological images for 3D reconstruction
kjf39	Fong	K J	TH	A-TPH-1	Drone Impact
tf289	Forbes	T	PEM	A-HB-2	Optimising boundary layer trips for cycling shoe drag reduction
jf490	Foster	J	K	A-RJM76-1	Pushing the temperature limits of gas turbine
pwcf2	Fryers	P W C	EM	B-TJF-5	Process control for domestic micro brewery
waf23	Fulwood	W A	CTH	A-ALJ3-2	Design of a cooling system for a performance car driver
zkg20	Gan	Z K	JE	C-POK21-4	Modelling and simulating typing on touchscreen keyboards
rmg50	Gaworski	R M	T	A-WRG-1	Aerodynamics of car roof boxes
sg667	Gibson	S	T	A-RG471-1	Optimisation of riblet surfaces for drag reduction
mg654	Gimenez Fernandez	M	CHU	D-GB479-3	Pipeline-soil interface testing
jrg62	Glynn	J R	T	A-GRH20-6	Room stratification and flow patterns induced by a revolving door
lg437	Godfrey	L	PEM	B-TAC1000-2	Superconducting induction furnace
eyjg2	Goh	E Y J	M	A-HB-4	Cambridge Solar Car (CUER) Aerodynamics
ylg21	Goh	Y L	ED	B-RVP11-2	Visible light communications
wg242	Gong	W L A	CAI	F-ZG201-1	Bayesian Nonparametric Machine Learning
ag748	Goyal	A	T	D-SKH20-6	The Mechanical Properties of 3D Printed Parts
mg652	Gramola	M	T	A-JDC38-3	Blade Tip Design for Next Generation Engines
mdg53	Green	M D	JE	A-NRA27-2	Use of infrared imaging to detect boundary layer state
mg657	Greitans	M	EM	B-PAR10-1	Electric wheel drive system for hybrid aircraft taxiing & takeoff
ag745	Grigoroiu	A	F	F-ML468-2	Computational modelling of neurological disease
ag737	Gunawan	A	CL	C-DJC13-2	Identification and Control in the Steering Task
qth20	Ha	Q T	Q	C-GNW20-type(b)	Bayesian Uncertainty Quantification on Large-Scale Inverse Problem

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jr97	Harris	J R	EM	A-WRG-2	Model yacht sail performance
qh219	He	Q	T	F-ZG201-2	The Automatic Statistician for Classification
ah724	Hearne	A	JN	D-AA22-1	High early strength foamed concrete
mjh239	Hogsden	M J	CHU	A-AMY21-1	Tidal Turbine Fatigue - an investigation of load shedding mechanisms to prevent blade failure
ch614	Housego	C	T	F-FI224-2	Reality-Inspired Simulation Design: A Data-Driven Approach to Solving the Reality-Gap Problem in Evolutionary Robotics
rah96	Howard	R A	Q	D-RMF41-1	Design of Multi-Storey Cross Laminated Timber Buildings
kh525	Hsieh	K	R	F-RV285-1	Fast Iterative Algorithms for Compressed Sensing
ah726	Huang	A	M	C-RSL21-2	The use of utility theory in optimal design
yh337	Huang	Y	F	F-CIPOLLA-1	Carpet Image Classification using Convolutional Neural Networks
si283	Ingram	S	CHR	D-PRHD2-3	The effect of moisture on the performance of CFRP reinforced concrete structures
aj421	Jaruwatanachai	A	CL	F-SJG-2	Applications of non-negative matrix factorisations to audio enhancement
sj421	Jeon	S	SE	A-JCM91-3	Evaluating the Performance of Electric Buses in Milton Keynes
sjmj3	Jules	S J M	JN	D-HJC34-type(b)	The Impact of Alternative Construction Materials in Low Income Housing in the Caribbean
sk733	Kapacee	S	Q	D-PMG31-1	An Investigation into the effects of Tuberculosis on a large infrastructure construction in Vietnam
vk303	Karadzhov	V	HO	F-ZG201-4	Machine Learning in Finance
ek395	Karmazyn	E	JN	F-IB340-8	Explore the Boundaries of Mind Controlling a Design Model in Augmented Reality
ik311	Khan	I	PEM	A-AMY21-1	Tidal turbine blade design for fatigue resilience
pk396	Kohout	P	JE	A-AA406-2	Aerodynamics and acoustics of rocket balloons and wheezing in lungs
nk402	Koupanou	N	T	D-IB340-11	Requirements for Augmented Reality based building construction inspections
ck442	Kouridi	C	JN	D-IB340-11	User Requirements for Augmented Reality-based Bridge Principal Inspection
gk333	Kumar	G	SE	F-GNW20-1	Optimisation of constrained systems using Bayesian Methods
ma581	Kurien	M	EM	F-IB340-10	The Robotic Construction Worker
ra428	Kurien	R	Q	F-RS771-1	Relay feedback models of biological oscillators
kk492	Kyriakopoulos	K	Q	F-MJFG-1	Automatic Assessment of English as a Second Language

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ol239	Lala	O	MUR	D-MHR29-3	Thermoplastic splints for use in the developing world
phl25	Lam	P H	PEM	D-DL359-1	Rainfall-runoff processes in urban environments
ptl24	Lau	P T	M	B-IHW3-2	Development of polymeric waveguide structures
cl556	Law	C	EM	D-RAF37-type(b)	Faecal Sludge Pump Characterisation
pml39	Leaning	P M	CHR	F-OP205-4	Smart doorbell
dl467	Lefas	D	Q	A-PGT23-2	A Critical Examination of a Correlation-Based Transition Model for Low Pressure Turbines
jwl40	Lei	J W	JE	F-FI224-3	Motor learning of bio-inspired musculoskeletal robots
pl378	Leonavicius	P	HO	F-YH305-1	Using Maps (Geographic Information Systems) for Urban Energy Analysis
hkl3	Leung	H K J	DOW	D-MSPG1-3	Uplift Resistance of an Under-Reamed Pile Foundation
owl24	Lewis	O W	DOW	C-DDS11-1	Measurement of bicycle tyre behaviour
sl646	Li	S	EM	D-MO318-3	Artificial Ageing of Glass
cl557	Li	C	JN	F-SJG-1	Simulation and inference for limit order books in high frequency finance
ll434	Li	L	SE	F-SJG-1	Particle filtering and inference for limit order books in high frequency finance
sl644	Lian	S	DOW	D-JY242-4	Dynamic vibration monitoring and on-board signal processing for piling machines
ysjl2	Lim	Y S J	SID	A-JL305-1	Computational Investigation of Supersonic Impinging Jets
jl736	Lister	J	F	C-JW12-2	Acoustics of drums
jl732	Luo	J	JE	A-GRH20-1	Bubble plumes and dissolving tablets - an experimental study
cm707	Ma	C	T	D-MSPG1-2	Foundations for Floating Offshore Wind Farms
em530	Macpherson	E	CAI	D-FAM-10	Folded plate CLT roof structures
jem208	Martin	J E	SID	C-DAR56-type(b)	Cognitive function tests on mobile electronic platforms
atm38	Mason	A T	SE	A-RSC10-1	Advanced CFD for Flames
hrm56	McDermott	H R	N	C-CYB-1	Glued joints for wooden chairs
acpm2	Melvin	A C P	PET	D-FAM-8	Re-cycled glass panel product load testing
cm704	Micou	C	M	B-AN299-5	Practical Touchscreen DSP Implementations
fwom2	Mills	F W O	PEM	A-RSC10-2	CFD for Flames and Walls
dm601	Morgan	D	R	A-NC-2	Engine Angiography
jm890	Mowat-Maconochie	J	Q	C-GJM31-type(b)	Improving the handling of a composite solar vehicle: chassis stiffness characterisation modelling and development
cem81	Murphy	C E	G	D-CRM11-10	Designing Bridges for Manufacture and Assembly

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jdm85	Musson	J D	TH	C-MLO29-1	Fracture toughness in biomaterials
an409	Nagrani	A	JN	F-RET26-2	DeepFarm: Image Classification using Convolutional Neural Networks for Automating Farming
hn273	Narasiah	H	HO	D-KAS14-8	In-creasing-ly stiff: Singly-Creased Multistable Shells
nn268	Nikolic	N	T	D-SDF10-1	Fresh Air for free
mn406	Nussbaumer	M	M	A-AA406-4	Aeroacoustics of Free Reeds
do294	Oliver	D	F	F-GNW20-2	Solving massive linear algebra problems on supercomputers
ro271	Ollington	R	PEM	A-JMC99-2	Characterising the energy efficiency improvement potential in industry
oto21	Oluwole	O T	SE	C-MPFS-5	mobile phone joining technologies
wlao2	Oram	W L A	CAI	C-MPFS-4	Draping of composite structures
bjo24	Ormond	B J	PEM	D-MJD97-4	The interaction between building response and construction-induced soil settlements
hjp35	Parker	H J	G	A-RG471-1	Optimisation of riblet surfaces for drag reduction
mwp29	Parker	M W	JE	D-JCM91-1	Low-Carbon Mass Transit for Small Cities
ap755	Patel	A	R	C-RSL21-4	The structural reliability of wind turbines
rp468	Pattani	R	Q	C-POK21-5	Recognising gesture keyboard via a Kinect depth sensor
ejp67	Phillips	E J	CL	B-TDW-1	Fast pulsed high power LEDs
dp458	Potten-Ravenshad	D	JE	C-JW12-2	Acoustics of drums
djp73	Potter	D J	CTH	B-AN299-1B	Interactive Touch Screen Displays
dccp2	Prior	D C C	PEM	C-MPFS-2	Ear eustachian tube repair
fq209	Qureshi	F	CHR	F-OP205-2	Long-term corporate bond rating forecasting
jsr53	Raven	J S	G	C-HRS-5	A Higher Profile for Engineering in Science A-levels
wr242	Reid	W L A	Q	D-CJB-2	Shear Centre of an aerodynamic tether
dhmr3	Richards	D H M	EM	A-JKH28-2	Computing complex vortex flows using spectral CFD methods
jr594	Roberts	J	T	A-GRH20-2	Purging from the Bay of a Revolving Door
jr592	Roberts	J	SE	F-AHG-1	Averaging surfaces for bone analysis
mr592	Rodgers	M	EM	B-PAR10-type(b)	Design of a Safety Critical Level Crossing Controller
ear41	Rodtang	E A	JE	C-DC135-2	Investigation of the effects of nano size Y2O3 on the growth and superconducting properties of YBCO single grains
ss2104	Samant	S	SID	F-ML468-1	Computations in neural circuits
ds636	Saunders	D	CL	F-MJFG-2	Multi-Language and Language Independent Speech Processing
hms57	Sheehan	H M	SID	A-RG471-3	Superhydrophobic surfaces for drag reduction

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jbs41	Shreeves	J B	CTH	A-HB-2	Can the bike reduce the drag of the cyclist?
ejs85	Sidebotham	E J	JE	D-MO318-1	Adaptive building envelopes: the feasibility of active vacuum insulation panels
js2044	Sinclair	J	MUR	C-TS573-2	Single Cell Tribology
ps602	Siripornpitak	P	DOW	A-PGT23-5	The use of high-order schemes in CFD
eas85	Smith	E A	CHU	C-GJM31-1	3D printing soft solids for personal protective equipment
ajrs4	Smith	A J R	SE	D-CRM11-9	Automatic Generation of Upper Bound Yield Line Mechanisms from Lower Bound Solutions
as2273	Stefkova	A	F	C-YYSH2-1	Printing high resolution biomaterial scaffold (experimental) PRE-ALLOCATED
jcts3	Stratford	J C T	PET	B-PAR10-2	Computerised engine test system for hybrid-electric power unit
ams246	Styles	A M	CHR	A-RSC10-4	Unsteady jet propulsion
sbs40	Sultan	S B	DOW	B-CD229-4	Patterning Graphene Devices at the Sub-Micron Scale Using Atomic Force Microscopy
vdys2	Sun	V D Y	T	A-NRA27-3	Reduction of Noise Sources in a Gas Turbine Exhaust Duct
rs737	Sundraraj	R	CHU	D-PMG31-1	Building Physics Analysis of the University of Cambridge Primary School
ts547	Susendralingam	T	CHU	A-TPH-1	Drone Impact
lcs50	Sutcliffe	L C	MUR	D-AA22-2	Self-healing construction materials
mjs260	Symes	M J	CHU	A-JDC38-4	Non-periodic End Wall Contouring for High Pressure Turbines
ehwt3	Tai	E H W	CHU	D-MO318-1	The Thermal Performance of a novel FRP-Glass Facade
lckt2	Tan	L C K	CHR	F-IB340-8	Realtime Monitoring and Analysis of ECG Signals
aat38	Tanase	A A	G	B-CD229-5	The role of surfaces in Enhanced oil recovery
itt22	Tang	I T	K	A-LPX1-1	An Intra Aortic Pump
jt520	Temple	J	K	C-JMA42-2	Tool-path design in computer-controlled metal spinning
rt398	Thompson	R	CC	D-PRHD2-2	Are Concrete Repairs Making Our Structures Safer Or Not?
st570	Tilbury	S	JN	D-DL359-5	Modelling Boscastle floods with different numerical techniques
wt247	Trojak	W	PET	A-PGT23-8	High-order unstructured CFD
tst28	Tse	T S	M	A-AA406-3	Unsteady Aerodynamics of Rustling Leaves
at619	Tukiainen	A	ED	F-ZG201-type(b)	Self-Learning Unicycle
swt29	Twist	S W	CC	F-PB400-1	Improving eye tracking for controlling secondary functions in automotive and aviation environment

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bu209	Uprety	B	CAI	F-JL-5	Investigation of the analogy between the equations of Fluid Dynamics and Maxwell's equations
iv243	Vallina Garcia	I	T	A-HB-1	Aerodynamics of Road Haulage Vehicles
ncav2	van Fraassen	N C A	PET	B-AN299-6	METAL OXIDE THIN FILM TRANSISTORS FOR TRANSPARENT ELECTRONICS
vcv21	Vasudeva	V C	CHU	B-TAC1000-6	Robot Navigation
vlv20	Vasudeva	V L	SE	C-RLR20-1	Materials and Component Library for Dyson Centre for Engineering Design
lv272	Venturini	L	Q	F-JL-6	X-Ray imaging for measuring holes in cheese
sbw26	Wagge	S B	CL	D-JCM91-7	Hypertunnel - An Ultra-High Speed Passenger Transport System
bjw55	Walker	B J	EM	C-HEMH-5	Pedal-powered punt
dw444	Walker	D	JN	C-HEMH-type(b)	Model Rocket Guidance by Canards
qw236	Wan	Q	N	B-CD229-3	Vector piezoresponse force microscopy
sw633	Ward	S	TH	D-KAS14-8	In-creasing-ly stiff...
tmw35	Warrington	T M	EM	C-DJC13-3	Measurement and Modelling of Tyre Cornering Behaviour for Lightweight Vehicles
jmw241	Watson	J M	PET	F-FI224-1	Vision-Based Learning for Robotic Grasping
jw766	Wei	J	W	C-POK21-2	Modelling and recognising side taps on mobile devices
lw429	Wen	L	W	B-RVP11-1	Distrubted Antenna MIMO systems
crw50	White	C R	PEM	D-FAM-11	Timber construction in a seismic zone:a 6 storey timber frame in Rwanda
anw31	White	A N	SID	F-FF286-1	Limit cycle regulation of hopping robots
hrw39	Winsor	H R	Q	A-ES607-6	Design Optimization of Self Sustainable Boiling Water Reactor Operating in a Closed Thorium Fuel Cycle
sw634	Wiseman	S	HO	D-HRS-1	Thermal Analysis of College Buildings
hhnw2	Wong	H H N	PEM	A-PGT23-6	Nacelle Design
hhsw2	Wong	H H S	N	F-FI224-3	Motor learning of bio-inspired musculoskeletal robots
tw382	Wright	T	DOW	D-MPSG1-3	Floatation of rectangular tunnels in liquidable soils
bx215	Xiao	B	JN	B-PRP-4	Wireless charging for Electric Bike
hx231	Xu	H	JN	C-AJK61-3	Magnetic Tweezers for micromechanical characterisation
jy324	Yan	J	ED	F-RET26-1	Sparse Gaussian Process approximations using Expectation Propagation
ly268	Yang	L	CHU	A-HB-4	Cambridge Solar Car (CUER) Aerodynamics
khky2	Yeung	K H K	G	C-DJC13-6	Road vehicle design and performance analysis
my311	Yin	M	ED	A-JMC99-1	Mapping resource flows in the petrochemical sector

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wz265	Zhang	W	SID	F-IB340-2	Robotic Prefabrication
clz21	Zhao	C L	CHU	C-YYSH2-3	Dual extrusion towards Bioprinting
cz279	Zhou	C	W	F-GV-1	Designing stable multi commodity markets
xz309	Zhu	X	CHU	C-RSL21-3	Vibration testing of nonlinear structures