

IIB Projects 2019-20 - Titles for Transcripts
11.05.2020
(those highlighted in red are revised titles)

CRS ID	Surname	Forename	College	Reference	Title	Supervisor Name	Group
mja77	Adams	Melissa	MUR	A-RG471-1	Superhydrophobic surfaces for turbulent drag reduction	Dr R Garcia Mayoral	A
ja617	Adams	Joseph	EM	D-CJB-1	Does the Shear Centre exist?	Dr C Burgoyne	D
awfsa2	Ah Fat	Alexandre	CL	B-ACF26-3	3D Printed, Graphene-Integrated, Gait Sensor	Prof A C Ferrari	B
oja24	Allen	Oliver	CHU	A-CAH1003-2	Fan Stability in Varying Patterns of Distortion	Dr C A Hall	A
hga22	Allen	Henry	F	C-RSL21-1	Statistical Energy Analysis of Linear and Nonlinear Systems	Prof R S Langley	C
mja78	Allen	Matt	TH	F-OP205-1	Automating Diagnostic Tests for Early-Stage Dementia	Dr O Punskeya	F
ada28	Almasan	David	M	F-TSO24-2	Deep learning for cell biology	Dr T S O'Leary	F
ma738	Anderson	Matt	JE	D-PRHD2-3	Design of innovative reaction walls with pre-stressed reinforced concrete blocks for the new Civil Engineering Building	Dr P R H Desnerck	D
wa258	Angkanasirikul	Rin	ED	D-DL359-1	The interaction of water waves and porous media	Dr D Liang	D
craa2	Attwood	Charlotte	F	C-CD229-3	Mechanical properties of hair surfaces at the nanometer scale	Dr C Durkan	C
la403	Aumont	Louise	G	B-GM603-1	Development of a novel electrode for the selective stimulation of pain nerves in humans	Prof G Malliaras	B
ea445	Aytug	Ertug	HO	C-RSL21-2	A study of the physics and design of flat panel loud speakers	Prof R S Langley	C
ab2379	Badut	Alexandra	T	F-RET26-3	Machine Learning for Climate Science	Dr R E Turner	F
eb677	Bahrami Balani	Edwin	M	C-POK21-5	Descriptive analysis of computer programming behaviour in an online	Dr P O Kristensson	C
jmb261	Baikie	Joni	CHU	A-NRA27-type(b)	Infrared Thermography for Boundary Layer Characterisation	Dr N R Atkins	A
sb2164	Balaji	Shusma	PEM	F-TSO24-1	Developing brain-machine interfaces	Dr T S O'Leary	F
kb619	Barker	Kim	EM	C-GNW20-3	Reduced Order Modelling Using Neural Networks for High Intensity Focused Ultrasound	Prof G N Wells	C
bb514	Barnwell	Ben	CL	F-JS851-2	Trellis-based Decoding for Insertions and Deletions	Dr J Sayir	F
jb2103	Barnwell	James	SID	F-JS851-2	Coding for Insertions and Deletions	Dr J Sayir	F
lrb44	Barrett	Laura	SID	F-AHG-4	Modelling the proximal femur and the calcar femorale	Dr A H Gee	F
cjb259	Barrott	Chris	DOW	C-GJM31-1	Design and optimisation of lightweight 3D printed aerodynamic parts for F1 cars	Dr G J McShane	C
fb456	Basar	Fikret	Q	C-AJK61-1	Design and testing of a magnetic probe for single cell mechanics	Dr A J Kabla	C
fb455	Baseley	Finn	G	C-JP11001-2	Icing Mitigation for UAVs in Antarctica	Dr J P Jarrett	C
wb278	Bashir	Wassim	CHU	C-POK21-4	A Rapid Prototyping Tool for Researchers into AAC for Motor-Disabled Non-Speaking Individuals	Dr P O Kristensson	C
gb511	Batzolis	George	CHU	F-TDW-type(b)	Multimodal Image Enhancement using Deep Learning	Prof T D Wilkinson	B
gtb27	Beazley	Greg	PET	F-SSS40-1	Fitting models to Financial time series	Dr S S Singh	F
ljb200	Berry	Lawrence	JN	D-JJO33-1	Monitoring system and user interface for the new Civil Engineering building	Dr J Orr	D
hjh2	Boekema	Hidde	Q	F-CIPOLLA-2	Human pose and 3D shape estimation from mobile phone images	Dr I Budvytis	F
ob312	Boyne	Ollie	DOW	C-MPFS-1	Estimation of canine dynamics from monocular video	Prof M P F Sutcliffe	C
bb515	Boys	Ben	CAI	D-JJO33-type(b)	The implementation of a high performance Peridynamics solver for Probabilistic Peridynamics and the modelling of concrete behaviour	Dr J Orr	D
djb243	Bradburn	David	HO	B-RVP11-1	Large port count integrated photonic switches	Prof R V Penty	B
uvb20	Brown	Ursula	N	C-HRS-3	A Higher Profile for Engineering in Key Stage 3 Science	Dr H R Shercliff	C
mrb79	Brown	Matt	T	D-SKH20-2	The Influence of Trench Reinstatements on Flexible Pavement Failure	Dr S K Haigh	D
sb2162	Burgess	Sebastian	TH	C-AM253-2	Crosslinking and characterisation of collagen tubes intended for artificial ducts.	Dr A Markaki	C
majb3	Burrows	Max	F	A-SH372-1	Solar Powered Thermoacoustic Cooling	Prof S Hochgreb	A
arc82	Campbell	Andrew	CHU	F-JMH233-2	Improving Ergodic Inference with High Entropy Distributions	Dr M Hernandez-Lobato	F
zc282	Cao	Ziyang	CAI	A-SH372-1	Thermoacoustic cooling	Prof S Hochgreb	A
pc570	Carey	Philip	TH	D-JML2-1	Ultra high performance fibre reinforced concrete (UHPFRC)	Dr J M Lees	D
jsc85	Carroll	Joe	PEM	A-GRH20-10	A Model of Hybrid Ventilation of a Room with a Localised Buoyancy Source	Prof G R Hunt	A
jfc43	Carter	Jon	JN	F-SSS40-2	Reinforcement Learning for Automation	Dr S S Singh	F
lmcc4	Cartocci	Lorenza	SE	A-AJW36-type(b)	Modelling and Assessment of Electric Bus Heating Systems	Dr A J White	A
wbc24	Chan	Arthur	CHU	D-JCM91-4	Could We Develop a New National Transport System?	Prof J C Miles	D
jc998	Chandler	Joe	CAI	D-AA22-4	Green engineered cementitious composites	Prof A Al-Tabbaa	D
fcwc2	Chang	Felicia	SID	F-ICL20-2	Control of autonomous microgrids: reduced-order models for inverter-based grids	Dr I C Lestas	F
sc993	Chapman	Sam	CL	A-WRG-type(b)	Wind turbine aerodynamic design	Dr W R Graham	A
yc400	Chen	Yuetong	SID	F-ML468-1	Computations in neural circuits	Prof M Lengyel	F
cymc3	Cheung	Max	DOW	C-DJC13-4	Automated measurement of cyclist power output characteristic	Dr D J Cole	C
myc27	Choudhry	Yasir	PEM	D-DL359-2	Influence of Boussinesq coefficient on Unsteady Flood Modelling with Shallow Water Equations	Dr D Liang	D
ctcc2	Chow	Chung Tin Calvin	PET	F-RS771-5	Limit cycle analysis in feedback systems	Prof R Sepulchre	F
eslc2	Chua	Evelyn	N	D-JCM91-1	Off-Site Construction for Small Nuclear Power Stations	Prof J C Miles	D
nc490	Chung	Nathen	CHU	D-DL359-2	CFD simulation of the rainfall-runoff processes	Dr D Liang	D
sc995	Coleman	Sam	HO	C-PJGL2-2	Automatic fluid sampling system	Dr P J G Long	C
cac207	Collins	Courtney	HO	C-HRS-3	Supporting KS2 teachers to deliver integrated STEM in primary schools	Dr H R Shercliff	C
wdc24	Connolley	Daniel	PET	F-PCW-1	Quaternion neural network models for speech recognition	Prof P C Woodland	F
gc538	Conway	Fleur	PEM	C-PJGL2-4	Dizziness Monitor (a)	Dr P J G Long	C

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CRS ID	Surname	Forename	College	Reference	Title	Supervisor Name	Group
ac2071	Corsham	Alex	SID	C-RLR20-2	Dyson Centre Inspiration Area: Mechanics Instrumentation and Control (including Electronics and Software) Demonstration Equipment	Dr R L Roebuck	C
tc491	Cowell	Toby	CTH	A-AW329-1	Wind farm aerodynamics	Dr A P Wheeler	A
tcc37	Cretu	Tudor	T	A-LM547-1	Prediction and control of extreme fluid dynamics with artificial intelligence	Dr L Magri	A
jk34	Crossley	James	CHU	B-TAC1000-1	Robot design	Dr T A Coombs	B
od256	Dadge	Olivia	JN	C-HRS-2	Natural fibre composites and sandwich panels	Dr H R Shercliff	C
ctd26	Dalzell	Callum	TH	B-RVP11-4	Visible light communications	Prof R V Penty	B
dakd2	Danno	Dylan	CHU	F-FI224-4	Robotic cooking through pose extraction from human natural cooking using OpenPose	Dr F Iida	F
fd326	Davidson	Freddie	EM	D-KAS14-4	Shape-Changing Sliceform Structures	Dr K A Seffen	D
wd269	Davis	William	CAI	A-CJC95-1	Aerodynamic Design of Helium Turbines for Rocket Engines	Dr C J Clark	A
dbd29	de Oliveira	David	G	C-HRS-3	A higher profile for Engineering in school Science/Maths	Dr H R Shercliff	C
dd480	Demovic	Daniel	TH	A-JPL-1	Modelling of the Peregrine Turbine Facility Secondary Air System	Dr J P Longley	A
msd48	Dhanda	Manraj	Q	C-DJC13-2	Series Hybrid Electric Drivetrain Design and Optimisation	Dr D J Cole	C
jd679	Ding	Joseph	K	F-AHG-1	The Part IA Lego exercise and Python	Dr A H Gee	F
ad844	Dokic	Aleksandra	T	F-JMH233-3	Refining the variational posterior through iterative optimization	Dr M Hernandez-Lobato	F
rfd25	Donaldson	Becky	N	C-RSR33-1	Intra-Tumor Heterogeneity of Glioblastoma Multiforme Cells and Its Implications For Treatment	Dr R S Rezk	C
jad201	Drummond	James	SE	B-TAC1000-4	Navigation for Automated Guided Vehicles	Dr T A Coombs	B
td383	Dutnall	Tom	F	C-JPT1000-2	Monitoring the Tube - Vibration Analysis for a Quieter London	Dr J P Talbot	C
je379	Eriksen	Jordan	G	A-SDG33-2	Propulsion systems for VTOL electric vehicles	Dr S D Grimshaw	A
we229	Eustace	William	EM	B-AL515-2	Graphene-based high frequency electronics for sensor applications	Dr A Lombardo	B
mrf44	Fareed	Raaed	W	A-RSC10-4	Flames and Walls	Prof R S Cant	A
sef44	Foley	Valentin	CC	F-JS851-4	Applying DNA alignment methods to melody recognition	Dr J Sayir	F
nf335	Foong	Nicholas	Q	F-MT126-1	Automatic detection and classification of online hate speech	Dr M Tomalin	F
ejf53	Fox-Davies	Ellen	CHU	D-FAM-2	Cross laminated timber deep beams	Prof F A McRobie	D
smf52	Fuster Almenar	Sofia	N	F-RS771-3	Describing function analysis revisited	Prof R Sepulchre	F
lmhg2	Gansser-Potts	Lea	Q	F-GMT11-2	Noise reduction with image-sensitive morphological operators	Dr G M Treece	F
jg811	Garcia Condado	Jorge	CHU	F-SB2330-1	A deep-learning based approach for quantifying spatial biology from high-throughput images of tagged biomolecules in bacteria	Dr S Bakshi	F
dg501	Garcia Medina	Diego	Q	B-TAC1000-4	Reinforcement Learning for General-Purpose Robot Programming	Dr T A Coombs	B
stg26	Garg	Soham	Q	F-SB2330-1	Engineering an automated cell-culture platform for studying adaptive evolution of bacteria	Dr S Bakshi	F
jg813	Gibbs	Jack	CTH	D-SDG-1	Stiffness of Tent Structures	Prof S D Guest	D
ag933	Glyn-Davies	Alex	CAI	F-SJG-1	Simulation and inference in high frequency finance	Prof S J Godsill	F
ag941	Goodman	Alistair	K	C-DJC13-3	The optimal bicycle wheel size for different cycling events	Dr D J Cole	C
jcr2	Greathead	John	JN	B-RVP11-2	Quantum Key Distribution	Prof R V Penty	B
cg616	Gu	Tom	CL	A-AW329-2	Heat management systems for future propulsion	Dr A P Wheeler	A
sjh267	Haigh	Sam	SE	C-NAF1-1	The design of a sandwich panel fuel tank in collaboration with Marshalls Aerospace	Prof N A Fleck	C
wh305	Halfpenny	Will	JN	B-GM603-2	Wirelessly controlled module for implantable drug delivery devices	Prof G Malliaras	B
ih315	Hanna	Issy	MUR	B-AJF-4	Pulsed Operation of Field Emission X-Rays	Prof A J Flewitt	B
dsh46	Hardman	David	CC	A-JMC99-7	3d printed vinyl records	Dr J M Cullen	A
mh863	Harvey	Michael	HO	A-RG471-2	Fibrous coatings for turbulent drag reduction	Dr R Garcia Mayoral	A
ah858	Hashmi	Akil	R	F-JL-1	Neural networks for food inspection: detecting contaminants with limited training data	Prof J Lasenby	F
eh554	Hawkings	Lizzie	HO	B-CD229-4	Molecular electronic devices	Dr C Durkan	B
sh915	He	Shuowang	K	C-AJK61-2	Design of a force sensor and user interface for bell ringing	Dr A J Kabla	C
twgh3	Hill	Toby	SE	C-JPT1000-3	ViSer - a New Device for Vibration Serviceability Assessment	Dr J P Talbot	C
bh443	Hodgkinson-Toay	Ben	JN	A-HB-2	Aerodynamics of a miniature jet aircraft	Prof H Babinsky	A
aoh25	Hogstrand	Andreas	PET	F-GJEH2-1	Neural control of movement: A virtual reality environment for mice	Dr G J E Hennequin	F
jh2044	Holland	Joseph	CAI	C-PJGL2-type(b)	An Automated Quality Control System for a Novel Production Line	Dr P J G Long	C
lgfh2	Honegger	Lorenzo	M	F-ML468-1	Computations in neural circuits	Prof M Lengyel	F
wh307	Honeyman	William	T	C-JHD25-1	Dynamic Properties of Superconducting Magnetic Bearings	Dr J H Durrell	C
hh458	Hughes	Harvey	EM	F-CER54-1	Robotic Unicycle	Prof C E Rasmussen	F
reh92	Humphry	Rose	SE	C-CD229-3	Mechanical properties of hair surfaces at the nanometer scale	Dr C Durkan	C
cui20	Ifeobu	Chisom	CHR	D-CNA24-2	The Conker Shell: A biomimetic inspiration for the design of load-mitigating structures?	Dr C N Abadie	D
cni22	Igwegbu	Clinton	G	F-AHG-3	Segmentation of the knee joint in cone-beam CT	Dr A H Gee	F
wji20	Irvine	Jack	EM	C-GTP-4	Simulation and Strategy Optimization for Track Cycling	Dr G T Parks	C
djj38	Jackson	Daniel	PEM	F-GJEH2-1	Neural control of movement	Dr G J E Hennequin	F
aj513	Jacquemot	Alfred	R	D-FAM-1	Graphic Statics and Active-Bending in Timber Shells	Prof F A McRobie	D
ojj23	Jagger	Oliver	CL	A-ALG57-2	Sailing in No Wind	Mr A L Gregory	A
jj455	Jiang	Sherry	F	F-ICL20-1	Optimization and control in modern power systems and smart grids	Dr I C Lestas	F

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dj346	Jiang	Jonathan	T	F-PCW-2	Low and Variable Frame Rate Speech Recognition Models	Prof P C Woodland	F
dkj24	Jina	Divesh	JE	A-JKH28-1	Wind tunnel design code	Prof J K Harvey	A
ogj21	Jones	Ollie	CHR	F-JL-type(b)	Model Localisation and Terrain Mapping for Tabletop Wargames	Prof J Lasenby	F
vmk26	Kanakaratnam	Vidya	MUR	C-PJGL2-7	Dizziness Monitor (b)	Dr P J G Long	C
zk254	Karimjee	Zak	TH	A-SDG33-1	Aeromechanical Design of Helium Turbines for Rocket Engines	Dr S D Grimshaw	A
mk904	Karous	Max	CAI	A-PAD3-3	blood flow	Prof P A Davidson	A
bk388	Kasza	Bence	PEM	B-TAC1000-1	Robot design	Dr T A Coombs	B
sk901	Kathiravelupillai	Senthooran	JE	C-TS573-3	Tensile test method for soft biological tissues	Dr T Savin	C
njk37	Keating	Niall	CAI	B-PAR10-2	Instrumentation and control for transplant organ blood flow system	Dr P A Robertson	B
jk680	Kim	Kevin	T	B-TH270-2	Graphene Inks on to arbitrary 3D surfaces and its application in wearables	Dr T Hasan	B
dk538	Kirkham	Dom	EM	F-OP205-type(b)	Interpretable classification using generative models	Dr O Puns kaya	F
hdk22	Knill-Jones	Harry	EM	D-JMA42-1	A potters wheel for red hot steel	Prof J M Allwood	D
cyk28	Kok	Felix	CHR	F-CIPOLLA-1	3D foot shape reconstruction on mobile devices	Prof R Cipolla	F
ibk23	Kovacs	Bence	PEM	B-MJC87-1	Distributed Software Defined Radio for RFID	Dr M J Crisp	B
pcj12	Lai	Jacky	R	A-MSD38-2	The flow generated by a partially submerged rotating wheel	Dr M S Davies Wykes	A
dll29	Lai	Dee Loon	HO	C-DC-1	Mapping and Reversing	Prof D Cebon	C
el444	Laidlaw	Ewan	K	C-MDA36-1	Pulsed magnetic field charging of bulk superconductors for portable high-field magnets	Dr M D Ainslie	C
sycl4	Lam	Cindy	DOW	B-DMH-2	Controlling a Scanning Electron Microscope with voice commands	Dr D M Holburn	B
chl64	Lam	Chon Lei (Hearst)	R	F-FF286-2	Capacitive Soft Skin for Shape Estimation	Dr F Forni	F
dl564	Larby	Daniel	K	F-MCS-2	Modelling and control of a lightweight robot arm	Prof M C Smith	F
etcl4	Lee	Zeek	F	C-PJGL2-5	Enhancing monitoring of the infirm/elderly	Dr P J G Long	C
ckl41	Lee	Lee	CHR	F-SJG-2	Applications of non-negative matrix factorisations to audio analysis	Prof S J Godsill	F
nl356	Lehrter	Nick	DOW	B-AL515-1	High frequency electronics based on 2D materials heterostructures	Dr A Lombardo	B
cl687	Leighton	Chris	CHU	A-RJM76-1	Urban Air Taxis	Prof R J Miller	A
jl944	Li	Jason	M	F-CIPOLLA-3	Image-based relocalisation in indoor environments using mobile phones	Dr I Budvytis	F
scl63	Liebana Garcia	Samuel	G	F-JS851-3	An Investigation on the Properties of the DNA Data Storage Channel	Dr J Sayir	F
lhl26	Liew	Li Hong	HO	F-CER54-2	Probabilistic time series models	Prof C E Rasmussen	F
jal218	Lilley	James	K	F-FI224-1	Suction Gripping and Manipulation of Soft and Irregular Objects	Dr F Iida	F
yhl48	Lim	Yi Heng	CHR	F-IK355-2	Graph compression	Prof I Kontoyiannis	F
yl577	Lin Xu	Yexia	CL	D-DL359-6	On the dynamic modelling of the flooding phenomena in Boscastle	Dr D Liang	D
ell38	Lindsey	Emma	HO	C-HRS-1	Product disassembly and analysis	Dr H R Shercliff	C
yl610	Liu	Annie	CAI	A-JKH28-2	Effect of turbulence on vortex breakdown.	Prof J K Harvey	A
swl37	Liu	Winnie	F	C-DC-4	Bio-packaging Materials	Prof D Cebon	C
dl567	Liu	Oli	EM	F-PCW-3	Neural Network Based Diarisation	Prof P C Woodland	F
al826	Liusie	Adian	PEM	F-KMK1001-3	Deep Learning for Grammatical Error Detection	Dr K M Knill	F
nl355	Loo	Noel	CHR	F-RET26-1	Probabilistic modelling and inference for continual learning	Dr R E Turner	F
xl402	Lu	Tom	PEM	F-GJEH2-1	Deep Learning for Koopman Operator Optimal Control	Dr G J E Hennequin	F
rml53	Lyon	Rhiannon	PEM	C-AAS41-6	Acoustic devices for monitoring blood coagulation	Prof A A Seshia	C
rl554	Lyssiotis	Renos	T	F-MV472-3	When are Machine Learning models required, and when is Statistics enough?	Prof M van der Schaar	F
eam75	Mabon	Ed	EM	F-RV285-2	Message passing algorithms for group testing	Dr R Venkataramanan	F
am2493	Macfarlane	Aran	PEM	C-GJM31-type(b)	Modelling and Optimising the Energy Absorbing Performance of Flexible Viscoelastic Cellular Materials	Dr G J McShane	C
dsm46	Mackinnon	Daniel	Q	A-SH372-4	Droplet behaviour in flames	Prof S Hochgreb	A
vm357	Manivannan	Varun	CHU	A-RG471-3	Hydrodynamic instability of turbulent flows over riblet surfaces	Dr R Garcia Mayoral	A
km691	Manju	Keshav	T	C-MDA36-1	Pulsed magnetic field charging of bulk superconductors for portable high-field magnets	Dr M D Ainslie	C
jmm236	Manley	Joe	T	F-RS771-1	Neuromorphic control	Prof R Sepulchre	F
amm272	Marcu	Ana-Maria	MUR	D-AA22-1	Self-sensing graphene coatings for infrastructure	Prof A Al-Tabbaa	D
mm2191	McEveley	Megan	G	A-JVT24-1	Propulsion systems for VTOL electric vehicles	Dr J V Taylor	A
cgm37	Millar	Cam	EM	D-FAM-5	Geometrical methods for structural design	Prof F A McRobie	D
jrm224	Miller	Jeremi	SE	B-DGH4-type(b)	Handheld system for surgical guidance in lesion localisation	Dr D G Hasko	B
bkm28	MIodozeniec	Bruno	EM	F-RET26-2	Causal Inference, Probabilistic Modelling and Bayesian Inference	Dr R E Turner	F
tm580	Moller	Tobias	CTH	D-CNA24-3	Sinkhole Formation: can a comparison with tunnelling illuminate the process?	Dr C N Abadie	D
nm624	Murphy	Noah	Q	C-POK21-2	Mixed Reality User Interfaces	Dr P O Kristensson	C
rcn27	Navid	Roy	T	A-RJM76-1	Urban Air Taxis	Prof R J Miller	A
skn35	Neave	Suzie	Q	D-SAS229-2	A 21st century laboratory testing device for geotechnical engineering	Dr S A Stanier	D
jn377	Neill	Jack	CHR	F-CIPOLLA-4	Augmenting reality for paper based electrocardiograms.	Prof R Cipolla	F
cn398	Newman-Sanders	Charlie	CAI	C-RLR20-1	Dyson Centre Inspiration Area: Mechanics, Instrumentation and Control (including Electronics and Software) Demonstration Equipment	Dr R L Roebuck	C
pnmn2	Ng	Melissa	JE	B-AJF-3	Copper Iodide P-type Thin Film Transistors	Prof A J Flewitt	B
tdn27	Ng	Donn	Q	D-IB340-4	Virtual Constructionarium	Dr I Brilakis	D
cn397	Ng	Cheryn	M	F-FI224-3	Gaussian Process Inference Modelling of Dynamic Robot Control for Expressive Piano Playing	Dr F Iida	F

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mhn28	Nguyen	Minh	CHR	F-OP205-1	Data of Your Heart: sudden cardiac death prediction	Dr O Puns kaya	F
jn376	Nicholls	James	Q	F-IK355-1	Detecting causal structure in time series	Prof I Kontoyiannis	F
mn461	Noka	Max	K	F-SB2330-1	Developing single cell tracking algorithms and testing their performance bounds for low resolution high throughput timelapse micrographs	Dr S Bakshi	F
en317	Nott	Ethan	JN	F-FF286-3	Fabrication and control of a robotic elephant trunk	Dr F Forni	F
mho23	Ong	Michael	DOW	D-IB340-1	Improving Visualisation of Risk Data in BIM	Dr I Brilakis	D
mho24	Ong	Donald	CAI	F-KMK1001-2	Automatic detection of speech disorders in children	Dr K M Knill	F
pjo36	Owen	Philip	F	B-PAR10-1	Instrument panel for hybrid-electric aircraft	Dr P A Robertson	B
jp730	Page	Jonty	PEM	F-MT126-2	Fact Checking Fake News	Dr M Tomalin	F
pp423	Pascual Cobo	Pablo	CHU	F-RV285-1	Algorithms for matrix estimation	Dr R Venkataramanan	F
kp469	Patel	Kian	CAI	C-RSR33-1	The Relationship between Glioblastoma Cell Motility and c-Myc Gene Expression	Dr R S Rezk	C
tp421	Pearson	Tim	Q	B-CD229-1	Transport in graphene at the nanometre scale	Dr C Durkan	B
mp810	Pengelly	Matthew	JN	A-RSC10-1	Unsteady jet propulsion	Prof R S Cant	A
op268	Perks	Owen	CAI	D-FAM-2	Module-to-module connections for CLT modular systems	Prof F A McRobie	D
jaip2	Perry	John	JN	C-JP11001-1	Conceptual Design of a Greener Concorde	Dr J P Jarrett	C
eap40	Phillips	Ed	EM	F-ML468-1	Computations in neural circuits	Prof M Lengyel	F
ap946	Pigdon	Annabel	DOW	D-KAS14-5	Shape-Changing Kirigami Volumes	Dr K A Seffen	D
hlpp2	Poh	Phyllis	N	F-CER54-3	Active Reinforcement Learning	Prof C E Rasmussen	F
hgp24	Pulver	Henry	EM	F-SSS40-2	Reinforcement Learning for Automation	Dr S S Singh	F
hr388	Radia	Hiral	CHR	F-OP205-1	Cardiac Arrhythmia Screening Using Feature-Based and Deep Learning Methodologies for UK Biobank data	Dr O Puns kaya	F
vr313	Raina	Vyas	PEM	F-AR527-1	Nueral Spoken Language Assessment Systems	Dr K M Knill	F
vr311	Raina	Vatsal	DOW	F-KMK1001-3	Neural-based Approaches for Off-topic Spoken Response Detection	Dr K M Knill	F
sr795	Ravichandran	Shakthi	M	F-TSO24-2	Deep learning for cell biology	Dr T S O'Leary	F
pr428	Robinson	Peter	T	C-GTP-7	Collocation Methods for Efficient and Robust Optimisation of Track Cycling Events	Dr G T Parks	C
imr27	Rolland	Iain	JE	A-LM547-3	Data assimilation in unsteady flows	Dr L Magri	A
obr22	Rose	Ollie	JE	F-AR527-2	Uncertainty in Speech and Language Processing	Dr K M Knill	F
as2664	Sarva	Aurimas	G	F-TSO24-1	Developing brain-machine interfaces	Dr T S O'Leary	F
bs586	Sawyer	Bradley	R	C-MPFS-4	Sandwich panel design for trucks	Prof M P F Sutcliffe	C
lms97	Schellenberg	Louis	PET	A-GRH20-7	On the rotation of melting ice disks	Prof G R Hunt	A
rms207	Sewell	Robbie	F	C-GTP-8	A 'Virtual' Training Environment for the Match Sprint Race (System Development)	Dr G T Parks	C
js2294	Sha	Jinze	K	B-TDW-1	Holographic projection for visual illusions	Prof T D Wilkinson	B
ts678	Shah	Trishla	N	A-JMC99-8	A novel method to estimate the lifetime of steel for dynamic material flow analysis	Dr J M Cullen	A
as2662	Shah	Alyssa	DOW	D-KAS14-3	Shape-Changing Kirigami Sheets	Dr K A Seffen	D
jps88	Shann	Jay	PEM	D-JJO33-3	A Carbon Cost Metric for Structural Design	Dr J Orr	D
dcs47	Shaw	Cara	CAI	D-JML2-1	Ultra high performance fibre reinforced concrete (UHPFRC)	Dr J M Lees	D
js2283	Shen	Shawn	T	C-POK21-1	A neural network approach for supporting gesture keyboards in augmented reality	Dr P O Kristensson	C
js2282	Shin	Joonha	T	F-MV472-2	Confidence Intervals for Off-Policy Policy Evaluation	Prof M van der Schaar	F
is420	Shukla	Isha	CTH	B-MJC87-3	Backscatter communication simulation	Dr M J Crisp	B
ejs97	Silverstone	Ethan	PET	F-MCS-1	Control of quadcopter	Prof M C Smith	F
ds778	Skottis	DEMETRIS	R	F-SJG-type(b)	Music Transcription	Prof S J Godsill	F
as2669	Slatineanu	Adrian	T	B-ACF26-2	Waveguide-integrated mid-infrared graphene photodetectors	Prof A C Ferrari	B
ds779	Slavin	Daniil	DOW	F-JL-3	Investigating new methods of surface representation in CAD	Prof J Lasenby	F
os365	Smart	Olly	DOW	D-RMF41-4	From tiny acorns	Dr R M Foster	D
jdk2	Smith	Jonathan	TH	D-SAS229-1	Large deformation testing for strain-softening parameter calibration	Dr S A Stanier	D
ys467	Song	Yungyu	CHU	B-TH270-1	Inkjet printed graphene-metal oxide miniaturised gas sensors	Dr T Hasan	B
ps737	Sophonariyanan	FRANCE	CHU	A-TC367-1	Loss mechanisms in centrifugal compressor	Dr T Cao	A
cs883	Spicer	Charlie	SID	D-CNA24-1	Foundation design for floating offshore wind turbines	Dr C N Abadie	D
tcrs3	Stanford	Thomas	CAI	B-AJF-2	Nanowire Nanogap Electronic Devices	Prof A J Flewitt	B
cs802	Stark	Caitlin	Q	A-MPJ1001-2	Adjoint-based optimization of aerofoils	Prof M P Juniper	A
dcs46	Steventon	Daniel	PET	B-PAR10-1	Instrument panel for hybrid-electric aircraft	Dr P A Robertson	B
rs904	Stoner	Rachel	MUR	A-JPL-2	Compressor Exit Diffuser Performance	Dr J P Longley	A
jdrs3	Story	Joe	T	A-HB-1	Aerodynamics of road haulage vehicles	Prof H Babinsky	A
js2297	Straszak	Julita	N	A-RSC10-2	Unsteady jets and pulsed combustion	Prof R S Cant	A
ds787	Stylianou	Demetris	F	D-CJB-3	Prestressed Ring with aramid spokes	Dr C Burgoyne	D
krs56	Subramaniam	Karthik	PEM	B-CD229-5	The fantastic shrinking memory cell	Dr C Durkan	B
rjcs3	Sumner	Rob	CAI	C-GTP-3	Developing an Intelligent Opponent for the Match Sprint Race	Dr G T Parks	C
xs264	Sun	Sunrise	PET	A-LPX1-1	Three dimensional CFD with real gas and chemical reaction models	Dr L P Xu	A
ks800	Suresh	Karthik	W	F-RV285-3	Sparse PCA for Identifying Circadian Rhythms in Genes	Dr R Venkataramanan	F
ms2393	Swaminathan	Manisha	CTH	D-RMF41-1	The second little piggy - environmental impacts of timber in mid-rise buildings	Dr R M Foster	D
djgs2	Swarbrick	David	CHU	B-MJC87-2	Robotic RF Field Measurement	Dr M J Crisp	B
cws36	Sweetenham	William	PET	B-AAS41-7	Low-noise front-end circuit interfaces for resonant microsystems	Prof A A Seshia	B
ykt25	Tan	Kai	W	A-AMB233-1	Carbon Nanotube Use for Aerospace	Dr A M Boies	A
st672	Thompson	Stephen	M	B-TDW-2	Measuring Acceleration for Commercial Equine Applications Using Low-Cost Development Boards and Wireless Communications	Prof T D Wilkinson	B
bt349	Tinkler-Davies	Ben	CL	C-MHR29-5	Could bamboo replace willow in cricket bats?	Dr M H Ramage	C
st668	Tomaszczyk	Stas	K	C-MPFS-3	Mechanics of Human Bone - Lateral Hinge Fracture in High Tibial Osteotomy	Prof M P F Sutcliffe	C
hct35	Tomkins	Hugh	Q	F-SJG-type(b)	Machine Understanding of Qin Music Tablature	Prof S J Godsill	F

IIB Projects 2019-20 - Titles for Transcripts
11.05.2020
(those highlighted in red are revised titles)

CRS ID	Surname	Forename	College	Reference	Title	Supervisor Name	Group
art58	Torres Gomez	Alicia	TH	A-CAH1003-3	Fuselage Boundary Layer Ingestion	Dr C A Hall	A
mv436	Varsandan	Mihai	G	B-SJS1001-2	High Capacity Digital Coherent Transceivers	Prof S J Savory	B
gv281	Venizelos	George	M	F-IK355-3	Disinformation channels	Prof I Kontoyiannis	F
mdv29	Vigdorchik	Max	JN	B-PS751-type(b)	Design and Implementation of Asynchronous Processors	Dr P Stanley-Marbell	B
twv20	Vinestock	Tom	JN	F-FF286-4	Soft hydraulic actuators	Dr F Forni	F
iv256	Voysey	Isobel	T	F-FI224-4	Autonomous dishwasher loading from cluttered trays using pre-trained deep neural networks	Dr F Iida	F
hyw25	Wai	Stephanie	R	D-SAS229-4	Resilient pipes for water distribution and sewer systems	Dr S A Stanier	D
bsjw2	Walker	Barney	DOW	C-GC121-2	Quantifying the Uncertainty in Empirical Atomistic Models of Materials	Prof G Csanyi	C
jow24	Walton	Jack	SID	D-MO318-1	Automating the construction of thin concrete shells	Dr J Orr	D
tw463	Wang	Matthew	CHR	A-CAH1003-1	Reverse Thrust Experiments for Variable Pitch Fans	Dr C A Hall	A
lw562	Wei	Lettice	M	F-JL-2	A Unity3D library for Conformal Geometric Algebra	Prof J Lasenby	F
aw731	Wettig	Alexander	T	F-AW665-1	Exploring Robustness to Adversarial Examples	Dr A Weller	F
kmw54	White	Kathe-Marie	JN	D-IB340-5	Redefining Construction Risk	Dr I Brilakis	D
ew493	Widjaja	Evita	MUR	D-SKH20-2	Solving the pothole problem.	Dr S K Haigh	D
mcw57	Wilson	Matthieu	JE	D-RMF41-1	The Second Little Piggy - The Carbon Sequestration Potential of Timber	Dr R M Foster	D
shw40	Winder	Sam	CTH	D-JMA42-2	Car makers scrap half their metal - but silversmiths don't	Prof J M Allwood	D
dktw2	Wong	Daren	F	F-FF286-3	Fabrication and control of a robotic elephant trunk	Dr F Forni	F
aclw3	Wong	Alfred	T	F-MV472-1 (?)	Feature selection for individualised treatment effects	Prof M van der Schaar	F
ow249	Wong Ten Yuen	Oliver	CL	A-PAD3-1	Liquid metal batteries	Prof P A Davidson	A
jpgw3	Wu	John	CHU	F-AM253-3	Characterisation of 3D Vascular Networks	Dr A Markaki	F
ryx21	Xiao	Rory	PEM	F-GJEH2-1	Neural control of movement	Dr G J E Hennequin	F
lx242	Xu	Liuchuyao	R	B-DMH-1	Real-time diagnostic tools for the Scanning Electron Microscope	Dr D M Holburn	B
zyx22	Xu	Jimmy	F	F-GMT11-1	Complex variable thickness bone cortices from CT data	Dr G M Treece	F
cy298	Yeow	Caryn	N	A-GRH20-9	The dancing of fountains	Prof G R Hunt	A
xz353	Zhang	Xiaofan	SE	D-JCM91-3	The Role of Autonomous Vehicles in the Provision of Public Mobility for Cambridge	Prof J C Miles	D
hz323	Zhang	Steve	SID	D-JCM91-2	An Affordable Approach to Building Suburban Extensions for Mega-City Metro Systems	Prof J C Miles	D
ttyz2	Zheng	Timo	SID	D-SKH20-3	Giken- Implant structures	Dr S K Haigh	D
wjz24	Zhou	William	TH	A-JPL-1	Modelling of the Peregrine Turbine Facility Secondary Air System	Dr J P Longley	A
clz23	Zhou	Clare	M	F-TS573-2	A non-invasive technique to observe microvascular blood flow	Dr T Savin	F
hz324	Zhou	Joe	JE	F-RS771-2	Scalable Algorithms for Affine Invariant Clustering	Prof R Sepulchre	F
hz325	Zhu	Nathan	M	A-LPX1-2	Control of Turbine Rotor Over Tip Clearance Flows	Dr L P Xu	A
sz348	Zhuang	Charlotte	CTH	A-JMC99-1	Automated drawing of Sankey diagrams	Dr J M Cullen	A
dz295	Zhumabayeva	Daniya	SE	A-RSC10-3	Advanced CFD for Flames	Prof R S Cant	A