Div C - IIB Projects 2023-2024 MT presentations

Monday 20 November — Oatley Seminar room BN2-05 — sust

	CRS ID	Surname	Forename	Col	Reference	Title	Supervisor	Assessor	Chair
2.00	ywcc2	Chan	Charles	HO	C-hs10000-b1586	Sustainability in Schools	Dr Hugh Shercliff	Dr Graham McShane	bl
2.15	ajs343	Shah	Aahna	Q	C-hs10000-1*	Energy and emissions analysis of school buildings	Dr Hugh Shercliff	Dr Graham McShane	
2.30	yt378	Tong	Tammy	CC	C-hemh1-1*	Droplet size measurement using a hotwire - Climate Repair - Marine Cloud Brightening -	Dr Shaun Fitzgerald for hemh	Dr Graham McShane	
2.45	ckh31	Howcutt	Cameron	M	C-hemh1-3*	Seabed curtains - Climate Repair - protecting glaciers	Dr Shaun Fitzgerald for hemh	Dr Burigede Liu	
3.00	mr871	Roy Prabhakaran	Maya	M	C-hs10000-1*	Energy and emissions analysis of school buildings	Dr Hugh Shercliff	Dr Burigede Liu	
3.15	sp2023	Piatek	Szymon	PEM	C-hemh1-3*	Seabed curtains - Climate Repair - protecting glaciers	Dr James Talbot for hemh	Dr Shaun Fitzgerald	
3.30	cdn26	Newton	Chris	EM	C-sdf10-1*	Ice volcanoes	Dr Shaun Fitzgerald	Dr James Talbot for hemh	
3.45	vs503	Sharma	Vidhi	Q	C-gtp10-6*	Net-Zero Aviation - Is it really feasible to supply liquid hydrogen to airports?	Prof. Geoff Parks	Dr Burigede Liu	
4.00	wh344	Hipsey	Will	CC	C-gtp10-7*	Net-Zero Aviation - Is it really feasible to supply liquid hydrogen to airports?	Prof. Geoff Parks	Dr Shaun Fitzgerald	

Monday 20 November — Board room — bio

	CRS ID	Surname	Forename	Col	Reference	Title	Supervisor	Assessor	Chair
1.00	wkvf2	Fernando	Kusal	CTH	C-ajk61-3*	Numerical analysis of visco-electric models	Prof. Alexandre Kabla	Prof. Athina Markaki	am
1.15	mac243	Caballero	Michael	DOW	C-am253-3*	Segmentation and tracking of patient-derived GBM spheroids	Prof. Athina Markaki	Dr Thierry Savin	
1.45	cht53	Tsai	Perry	TH	C-am253-2*	Automated cell segmentation and tracking of patient-derived GBM cultures on 2D substrates	Prof. Athina Markaki	Prof. Alexandre Kabla	
2.00	sc2239	Constantinou	Sophia	CAI	C-ts573-1	Developing the user interface of a tensile test device for soft biological tissues	Dr Thierry Savin	Prof. Athina Markaki	
2.15	ahw41	Winskell	Adam	SID	C-am253-1*	Preclinical testing of bioengineered vascular grafts	Prof. Athina Markaki	Prof. Michael Sutcliffe	
2.30	id362	Dutta	Ishika	T	C-ts573-1	Developing the user interface of a tensile test device for soft biological tissues	Dr Thierry Savin	Dr John Biggins for ac	
2.45	kjeg2	Goodridge	Kitty	Q	C-mpfs1-1*	Restoring hand function in stroke patients using wearable robotics augmentation	Prof. Michael Sutcliffe	Dr John Biggins for ac	
3.00	**BREAK**								bio
3.15	sas244	Shah	Shrey	JE	C-mpfs1-6*	Jaw repair and chewing forces	Prof. Michael Sutcliffe	Dr Thierry Savin for naf	ajk
3.30	jdv24	Vanke	Jonah	T	C-mpfs1-5*	Using 3D printing to aid dog limb surgery	Prof. Michael Sutcliffe	Dr John Biggins for ac	
3.45	lk480	Konathala	Lohith	T	C-ts573-2*	Analysing microvascular blood flow using machine learning computer vision	Dr Thierry Savin	Dr John Biggins for ac	
4.00	sjo49	O'Keeffe	Sophie	EM	C-mpfs1-2*	Wearable biofeedback for augmenting motor learning of voluntary muscle engagement	Prof. Michael Sutcliffe	Prof. Alexandre Kabla for naf	
4.15	ap2207	Pandey	Arihant	PET	C-yysh2-1*	Fibre printing robot	Prof. Shery Huang	Dr Thierry Savin for naf	
4.30	ln356	Nicholls	Lorcan	G	C-yysh2-3*	3D Printing of Multi-Material Hydrogels	Prof. Shery Huang	Prof. Alexandre Kabla for naf	
4.45	nc580	Chandra Bose	Nivi	G	C-yysh2-2*	3D printing organ-on-a-chip	Prof. Shery Huang	Prof. Alexandre Kabla	
5.00	sh2097	Han	Shichen	F	C-ajk61-2*	Modelling the dynamics of cell populations	Prof. Alexandre Kabla	Prof. Shery Huang	
5.15	bb610	Bylygbashi	Blendi	HO	C-ts573-2*	Analysing microvascular blood flow using machine learning computer vision	Dr Thierry Savin	Prof. Shery Huang	

Tuesday 21 November — Oatley Seminar room BN2-05 — mat

	CRS ID	Surname	Forename	Col	Reference	Title	Supervisor	Assessor	Chair
2.00	jjd61	Derlatka	Jan	JN	C-gnw20-1*	Exascale computing and deep learning-based reduced order modelling of parametric PDEs for engineer	Prof. Garth Wells	Prof. Vikram Deshpande for gc	vsd
2.15	hw557	Wang	Honghao	SID	C-gnw20-2*	Scientific machine learning for model order reduction of large scale problems	Prof. Garth Wells	Dr Matteo Seita for gc	
2.30	tl525	Lee	Trevor	W	C-jhd25-2*	Bulk Superconductor Solenoids for Desktop NMR	Prof. John Durrell	Dr Darshil Shah	
2.45	bjw68	Wardell	Barty	DOW	C-vsd20-b15882*	Using Graph Neural Nets to predict the strength and failure of architected lattice materials	Prof. Vikram Deshpande	Prof. John Durrell	
3.00	jdh90	Hardwick	Jenny	M	C-ms2932-1*	Mechanics of metals with site-specific microstructures	Dr Matteo Seita	Prof. Garth Wells	
3.15	mpg56	Giza	Maciek	TH	C-ms2932-4*	Advanced optical characterization of aerospace alloys	Dr Matteo Seita	Prof. Vikram Deshpande	
3.30	al2008	Liang	Andrew	Q	C-ms2932-5*	Tracking medieval manuscripts by reverse engineering the paper-making process	Dr Matteo Seita	Prof. Vikram Deshpande	
3.45	rms215	Saltmarsh	Rowan	JN	C-dus20-1*	Towards user acceptability and performance optimisation of bamboo cricket bats	Dr Darshil Shah	Dr Matteo Seita	
4.00	yft25	Tsai	Yvonne	CHU	C-dus20-2*	Creating a leather alternative: experimentation with plant-fibre reinforced natural rubbers	Dr Darshil Shah	Dr Matteo Seita	
4.15	nk578	Kalani	Navid	SID	C-dus20-3*	Mechanics of flexible wood produced through kerf patterns	Dr Darshil Shah	Prof. Vikram Deshpande for gc	
4.45	ag2174	Griffiths	Anna	CHU	C-jhd25-1*	Soft Magnetic Composites with locally tailored properties	Prof. John Durrell	Dr Darshil Shah	

Tuesday 21 November — Board room — edc

	CRS ID	Surname	Forename	Col	Reference	Title	Supervisor	Assessor	Chair
2.15	tjj32	Jeffrey	Tom	PEM	C-jpj1001-1*	Flying Fish (Hybrid Air/Underwater Vehicles)	Dr Jerome Jarrett	Dr Sam Waller	pjgl
2.30	mak93	Karassellos	Michaela	G	C-sdw32-1*	Assessing the digital inclusivity of Cambridge transport services	Dr Sam Waller	Prof. Per Ola Kristensson	
2.45	ak2311	Koshy	Arnav	CHU	C-pjgl2-1*	Automatic fluid sampling system	Dr Peter Long	Dr Sam Waller	
3.00	mp992	Pavelin	Marcus	TH	C-pjgl2-2*	Bio-Engineering	Dr Peter Long	Prof. Per Ola Kristensson	
3.15	qg224	Ge	Amanda	MUR	C-pok21-2*	Few-shot learning for custom hand gestures	Prof. Per Ola Kristensson	Dr Jerome Jarrett for pjc	
3.30	zs371	Shi	Billy	Q	C-pok21-b15862*	Generative AI: How it affects software programmers' cognitive capabilities to develop test cases?	Prof. Per Ola Kristensson	Dr Jerome Jarrett for pjc	
3.45	mrd57	Davis	May	SE	C-pjgl2-3*	ROV for monitoring Sea Ice and lake beds	Dr Peter Long	Dr Jerome Jarrett	
4.00	rjl90	Lee	Robert	PET	C-pjgl2-6*	Small hybrid car/bike	Dr Peter Long	Dr Tom Bashford	
4.15	jbr49	Russell	Jamie	DOW	C-pjgl2-3*	ROV for monitoring Sea Ice and lake beds	Dr Peter Long	Dr Tom Bashford	
4.30	nn329	Nguyen	Akira	T	C-pjgl2-5*	Multi feature workbench	Dr Peter Long	Dr Tom Bashford	

Wednesday 22 November — Oatley Seminar room BN2-05 — dvro

	CRS ID	Surname	Forename	Col	Reference	Title	Supervisor	Assessor	Chair
2.00	mjb314	Bryan	Matt	M	C-tb267-2*	Pushing the bounds of energy harvesting	Dr Tore Butlin	Dr Xiaoxiang Na	jpt
2.15	td453	Ding	Tianyao	PET	C-jpt1000-3*	Dynamic NDT for Monitoring Tension in Structural Cables	Dr James Talbot	Dr Tore Butlin	
2.30	ag2167	Gupta	Aakash	PEM	C-xnhn2-b15891*	Optimising through corner balance of an F1 Car	Dr Xiaoxiang Na	Dr James Talbot	
2.45	lk476	Kelsall	Lewis	HO	C-jpt1000-2*	Vibration Modelling of Building Structures	Dr James Talbot	Dr Xiaoxiang Na	
3.00	imacm2	Mere	Ikechi	JN	C-jpt1000-1*	Seismic Isolators for Buildings: Understanding the Force-Deformation Behaviour of Elastomeric Bearin	Dr James Talbot	Dr Xiaoxiang Na	
3.15	vjm32	Malhotra	Vaibhav	Q	C-tb267-1*	Machine Learning for Modal Analysis	Dr Tore Butlin	Prof. David Cebon	
3.30	asm95	Mills	Alex	CL	C-dc29-2*	Tyre pressure measurement and management	Prof. David Cebon	Dr James Talbot	