

FYP Seminar S1 2023																																																																													
Tuesday, 13th June 2023																																																																													
Callaghan; Room: VG01, Tuesday			Callaghan; Room: VG07, Tuesday																																																																										
<div><div><div>Session chair: Clayton Carlon</div><div>Academic markers: Andrew Fleming &amp; James Welsh</div></div><table><tr><th>Time</th><th>Lastname</th><th>First name</th><th>Course</th><th>Project Title</th><th>EE Supervisor</th></tr><tr><td>9:00</td><td>Carlon</td><td>Clayton</td><td>ELEC4840A</td><td>Sound-source localisation using a microphone-array for NUbots</td><td>Andrew Fleming</td></tr><tr><td>9:20</td><td>Maidstone</td><td>Jayden</td><td>ELEC4840A</td><td>Controlling an arm prosthetic using eye tracking and gaze detector</td><td>Andrew Fleming</td></tr><tr><td>9:40</td><td>Boutchard</td><td>Sarah</td><td>MENG4800A</td><td>Disabled Canine Wheelchair</td><td>Andrew Fleming</td></tr><tr><td>10:00</td><td>Bricker</td><td>Ian</td><td>ELEC4840A</td><td>DC-DC Converters for Space Flight</td><td>Andrew Fleming</td></tr><tr><td>10:20</td><td>Bradley</td><td>Jack</td><td>ELEC4840A</td><td>Undersea Communication</td><td>Andrew Fleming</td></tr></table></div> <div><div><div>Session chair: Amogh Kappali Sangappa</div><div>Academic markers: Sarah Johnson &amp; Andrew Fleming</div></div><table><tr><th>Time</th><th>Lastname</th><th>First name</th><th>Course</th><th>Project Title</th><th>EE Supervisor</th></tr><tr><td>11:00</td><td>Hallinan</td><td>Christopher</td><td>ELEC4840A</td><td>FPGA-based heart rate monitor</td><td>Sarah Johnson</td></tr><tr><td>11:20</td><td>Theacos</td><td>Kyle</td><td>MENG4800A</td><td>Heart Rate and Respiratory Rate Monitoring Device</td><td>Sarah Johnson</td></tr><tr><td>11:40</td><td>Bolton</td><td>Nicholas</td><td>ELEC4840A</td><td>Capturing real-life symptom experiences of people living with chronic lung disease</td><td>Sarah Johnson</td></tr><tr><td>12:00</td><td>Keats</td><td>Sascha</td><td>ELEC4840A</td><td>IoT system for patient monitoring</td><td>Sarah Johnson</td></tr><tr><td>12:20</td><td>Smith</td><td>Zac</td><td>ELEC4840A</td><td>AirJet Respirator Electronics Design</td><td>Andrew Fleming</td></tr></table></div> <div>Lunch Break</div>						Time	Lastname	First name	Course	Project Title	EE Supervisor	9:00	Carlon	Clayton	ELEC4840A	Sound-source localisation using a microphone-array for NUbots	Andrew Fleming	9:20	Maidstone	Jayden	ELEC4840A	Controlling an arm prosthetic using eye tracking and gaze detector	Andrew Fleming	9:40	Boutchard	Sarah	MENG4800A	Disabled Canine Wheelchair	Andrew Fleming	10:00	Bricker	Ian	ELEC4840A	DC-DC Converters for Space Flight	Andrew Fleming	10:20	Bradley	Jack	ELEC4840A	Undersea Communication	Andrew Fleming	Time	Lastname	First name	Course	Project Title	EE Supervisor	11:00	Hallinan	Christopher	ELEC4840A	FPGA-based heart rate monitor	Sarah Johnson	11:20	Theacos	Kyle	MENG4800A	Heart Rate and Respiratory Rate Monitoring Device	Sarah Johnson	11:40	Bolton	Nicholas	ELEC4840A	Capturing real-life symptom experiences of people living with chronic lung disease	Sarah Johnson	12:00	Keats	Sascha	ELEC4840A	IoT system for patient monitoring	Sarah Johnson	12:20	Smith	Zac	ELEC4840A	AirJet Respirator Electronics Design	Andrew Fleming
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Academic markers: Duy Ngo & Lawrence Ong

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Lunch Break

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\*Role for session chair:

- To introduce the speakers
- To time keep: 15 mins presentation + 5 mins questions. Session chair to give warning to speakers when there is 2 minutes left to the end of presentation.

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<div><div>Session chair: Academic markers:</div><div>Angelos Karvelis Colin Coates &amp; Zhiyong Chen</div><table><tr><th>Time</th><th>Lastname</th><th>First name</th><th>Course</th><th>Project Title</th><th>EE Supervisor</th></tr><tr><td>13:20</td><td>Karvelis</td><td>Angelos</td><td>ELEC4840A</td><td>High performance control of nine-phase synchronous reluctance drive</td><td>Colin Coates</td></tr><tr><td>13:40</td><td>Morris</td><td>Marcus</td><td>ELEC4840A</td><td>Battery Charge Controller and Alarm System Upgrade</td><td>Colin Coates</td></tr><tr><td>14:00</td><td>Partlin</td><td>Nicholas</td><td>ELEC4840A</td><td>Accessory Breakout Board for Electric Bicycles</td><td>Colin Coates</td></tr><tr><td>14:20</td><td>Spencer</td><td>Sam</td><td>ELEC4840A</td><td>Hybrid Guitar Effects Pedal</td><td>Colin Coates</td></tr></table></div>						Time	Lastname	First name	Course	Project Title	EE Supervisor	13:20	Karvelis	Angelos	ELEC4840A	High performance control of nine-phase synchronous reluctance drive	Colin Coates	13:40	Morris	Marcus	ELEC4840A	Battery Charge Controller and Alarm System Upgrade	Colin Coates	14:00	Partlin	Nicholas	ELEC4840A	Accessory Breakout Board for Electric Bicycles	Colin Coates	14:20	Spencer	Sam	ELEC4840A	Hybrid Guitar Effects Pedal	Colin Coates						
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\*Role for session chair:

- To introduce the speakers
- To time keep: 15 mins presentation + 5 mins questions. Session chair to give warning to speakers when there is 2 minutes left to the end of presentation.