

ENGR489 PRESENTATION SCHEDULE

Version 4 (26 October 2022)

Schedule-at-a-Glance

Time	AM102/AM104 https://vuw.zoom.us/my/engr489
09:45	Dean's List Presentations (Session 1)
10:30	Break
10:45	Dean's List Presentations (Session 2)
11:30	Break
11:40	Dean's List Presentations (Session 3)

Time	AM101 https://vuw.zoom.us/my/engr489am101	AM102 https://vuw.zoom.us/my/engr489am102	AM103 https://vuw.zoom.us/my/engr489am103	AM104 https://vuw.zoom.us/my/engr489am104	AM105 https://vuw.zoom.us/my/engr489am105	AM106 https://vuw.zoom.us/my/engr489am106
13:00	Session 4A	Session 4B	Session 4C	Session 4D	Session 4E	Session 4F
14:00	Break					
14:15	Session 5A	Session 5B	Session 5C	Session 5D	Session 5E	Session 5F
15:15	Break					
15:30	Session 6A	Session 6B	Session 6C	Session 6D	Session 6E	Session 6F

Dean's List Presentations (Session 1)

Time	AM102/AM104 https://vuw.zoom.us/my/engr489
9:45	Session 1 Chair Craig Watterson Callum Macaskill Dynamic Open Vehicle Routing Problem with Pickup and Delivery Examiners: Yi Mei, Peter Andrae and Alexander Doronin
10:00	Connor de Bruyn Understanding Sickness and Emotional Experiences in VR 360° Motion Simulators Examiners: Craig Anslow, Alexander Doronin and Pawel Dmochowski
10:15	Daniel Strawbridge Thermographic Drone Inspection of Solar Panel Systems Examiners: Alan Brent, Ramesh Rayudu and Daniel Burmester
10:30	Break

Dean's List Presentations (Session 2)

Time	AM102/AM104 https://vuw.zoom.us/my/engr489
10:45	Session 2 Chair Craig Watterson
	Jackson Jourdain Automating Glacier Change Monitoring in the Southern Alps of New Zealand Examiners: Bach Nguyen, Heitor Murilo Gomes and Xiaoying Gao
11:00	Emanuel Evans Fingerprinting Bytecode for better Vulnerability Detection Examiners: Jens Dietrich, Harith Al-Sahaf and Julian Mackay
11:15	Morgan Hucker Open-source Intelligence for determining Internet Exposure Examiners: Ian Welch, Masood Mansoori and Ying Bi
11:30	Break

Dean's List Presentations (Session 3)

Time	AM102/AM104 https://vuw.zoom.us/my/engr489
11:40	Session 3 Chair Craig Watterson
	Oscar Camplin An Improved Handover Mechanism for Optimising Video Streaming Performance in Mobile Applications Examiners: Alvin Valera, Fanglue Zhang and Marcus Freatn
11:55	Oliver Franklin Public Transport Vehicle Speed Mapping Examiners: Jyoti Sahni, Alvin Valera and Kris Bubendorfer

Afternoon Presentations

Time	AM101 https://vuw.zoom.us/my/engr489am101	AM102 https://vuw.zoom.us/my/engr489am102	AM103 https://vuw.zoom.us/my/engr489am103	AM104 https://vuw.zoom.us/my/engr489am104	AM105 https://vuw.zoom.us/my/engr489am105	AM106 https://vuw.zoom.us/my/engr489am106
13:00	Session 4A Chair Bastiaan Kleijn	Session 4B Chair Ian Welch	Session 4C Chair Jennifer Ferreira	Session 4D Chair Peter Andreae	Session 4E Chair Paul Teal	Session 4F Chair Ramesh Rayudu
	Ze Chen Machine Learning Techniques for Fish Breeding Decision Making Examiners: Yi Mei Bach Nguyen Fangfang Zhang	Jake Hobbs IoW: Internet of Wildlife for Tracking Animals in the Wild Examiners: Alvin Valera Aaron Chen Pawel Dmochowski	Sheil Gandhi Decentralised App for Object Recognition, Storage and Tracking Examiners: Jennifer Ferreira Qi Chen Heitor Gomes	Caitlin Fisher A Counterfactual Visualisation System for eXplainable Machine Learning Examiners: Andrew Lensen Bing Xue Jens Dietrich	Aaron Claydon Sword fighting robots Examiners: Christopher Hollitt Dale Carnegie Marcus Frean	Vaibhav Ekambaram UAV-to-UAV Communication Establishing a Leader-Follower Formation Examiners: Jyoti Sahni James Hinkley Marco Servetto
13:15	Dimitri Ariadi Visualising Electric Vehicle Network Services Platform Examiners: Alan Brent Alexander Doronin Bastiaan Kleijn	Michael Blayney Creating Counterfactuals for Text Analysis (eXplainable AI) Examiners: Andrew Lensen Xiaoying Gao Bing Xue	Trent Hetherington A Computer Game Examiners: Zohar Levi Mengjie Zhang Jyoti Sahni	Gianpaolo Cigalal Journey Planner Integration into Real-Time Information Suite Examiners: Simon McCallum Winston Seah Pawel Dmochowski	Fletcher Olley Improvements to a Robotic Drumming System Examiners: Dale Carnegie Robin Dykstra James Hinkley	Tyla Turner Supercharged Cowrie Honeypot Examiners: Masood Mansoori Fangfang Zhang Cuie Yang

Time	AM101 https://vuw.zoom.us/my/engr489am101	AM102 https://vuw.zoom.us/my/engr489am102	AM103 https://vuw.zoom.us/my/engr489am103	AM104 https://vuw.zoom.us/my/engr489am104	AM105 https://vuw.zoom.us/my/engr489am105	AM106 https://vuw.zoom.us/my/engr489am106
13:30	<p>John Eleigio Cecilio</p> <p>Implementation of a Software Interface for an Expressive Mechatronic Chordophone</p> <p>Examiners: Dale Carnegie Pawel Dmochowski James Hinkley</p>	<p>Jaya Narayan</p> <p>Content Security Policy Enforcement</p> <p>Examiners: Ian Welch Masood Mansoori Fanglue Zhang</p>	<p>Hamish Taylor</p> <p>Using Blockchain to Increase Transparency in Perishable Goods Supply Chains</p> <p>Examiners: Jyoti Sahni Jennifer Ferreira Jens Dietrich</p>	<p>Tomas Lieferring</p> <p>Automatic Essay Scoring for Our EAP Program</p> <p>Examiners: Xiaoying Gao Andrew Lensen Peter Andreae</p>	<p>Sharon McTaggart</p> <p>Spider Robot</p> <p>Examiners: Christopher Hollitt Yau Hee Kho Howard Lukefahr</p>	<p>Justin Hanrahan</p> <p>Developing A Shorter Online Competitive Turn-based Empire Game made in Unity (A Computer Game)</p> <p>Examiners: Zohar Levi Alexander Doronin Alvin Valera</p>
13:45	<p>Anthony Absalom</p> <p>AC step down converter</p> <p>Examiners: Daniel Burmester Yau Hee Kho Christopher Hollitt</p>	<p>Alexandra Hall</p> <p>DAACL - Decentralised access control</p> <p>Examiners: Ian Welch Marco Servetto Cuie Yang</p>	<p>Elgene Menon Leo Anthony</p> <p>Delegated Commitment Authorities</p> <p>Examiners: Simon McCallum Jennifer Ferreira Ali Ahmed</p>	<p>Asami De Almeida</p> <p>Automated Course Information Collection and Parsing</p> <p>Examiners: Peter Andreae Xiaoying Gao Aaron Chen</p>	<p>Conagh Fitzgerald-Mansell</p> <p>Thermoelectric Harvesting of Thermal Waste Energy</p> <p>Examiners: Paul Teal Alan Brent Alvin Valera</p>	<p>Luke Sommerville</p> <p>Biologically Plausible Learning</p> <p>Examiners: Marcus Frean Andrew Lensen Heitor Gomes</p>
14:00	Break					

Time	AM101 https://vuw.zoom.us/my/engr489am101	AM102 https://vuw.zoom.us/my/engr489am102	AM103 https://vuw.zoom.us/my/engr489am103	AM104 https://vuw.zoom.us/my/engr489am104	AM105 https://vuw.zoom.us/my/engr489am105	AM106 https://vuw.zoom.us/my/engr489am106
14:15	Session 5A Chair Winston Seah	Session 5B Chair Marcus Frean	Session 5C Chair Xiaoying Gao	Session 5D Chair Simon McCallum	Session 5E Chair Pawel Dmochowski	Session 5F Chair Yi Mei
	Georgina Dewar Low Cost Optical Spectrometer for Liquid Analysis Examiners: Robin Dykstra Paul Teal Christopher Hollitt	Isabella Tomaz Ketley Open-source Intelligence for Indicators of Compromise Examiners: Masood Mansoori Alvin Valera Marcus Frean	Oliver Badrick Generating tour descriptions using natural language processing Examiners: Xiaoying Gao Aaron Chen Qi Chen	Michaiah Thoms Haskell Block-Based Editor Examiners: Michael Homer Julian Mackay Marco Servetto	Magdalene Gleadow Locally Generated Renewable Energy with a Grid Connection Examiners: Ramesh Rayudu Pawel Dmochowski Jyoti Sahni	Abraham Alfred TURK: Collecting Human Telemetry with CTFs on High-Interaction Honeypots Examiners: Ian Welch Abubakar Siddique Heitor Gomes
14:30	Jeremiah Choi Caching Strategies in Named Data Networking for IoT Examiners: Winston Seah Bing Xue Qi Chen	Ghettas Farah Tempering the Temple Examiners: Michael Homer Julian Mackay Marco Servetto	Zach Kingsford CRAYPOT - Collecting malware using a server honeypot Examiners: Ian Welch Mohammad Nekooei Harith Al-Sahaf	Christopher Benfell Mobile games for Mental Health Examiners: Simon McCallum Craig Watterson Craig Anslow	Griffin Almand Test Rig for DC household wiring analysis Examiners: Ramesh Rayudu Alvin Valera Howard Lukefahr	Joseph Hodges A GA Approach to Community Detection in Social Networks Using Static Graph Databases Examiners: Hui Ma Yi Mei Bach Nguyen

Time	AM101 https://vuw.zoom.us/my/engr489am101	AM102 https://vuw.zoom.us/my/engr489am102	AM103 https://vuw.zoom.us/my/engr489am103	AM104 https://vuw.zoom.us/my/engr489am104	AM105 https://vuw.zoom.us/my/engr489am105	AM106 https://vuw.zoom.us/my/engr489am106
14:45	Samantha Glanfield Bait and Switch Honeybot Examiners: Masood Mansoori Kirita-Rose Escott Alvin Valera	Sion Grabham-Madden Unsupervised Analysis of Rat Ultrasonic Vocalisations Examiners: Bastiaan Kleijn Marcus Freaan Fanglue Zhang	Michael Tang Calling Cards Examiners: Michael Homer Mohammad Nekooei Ruwang Jiao	Jareth Gaskin Community Exchange Project Examiners: Jennifer Ferreira Qi Chen Ali Ahmed	Mitchell Beserra Bifacial solar panel test rig Examiners: Daniel Burmester Alan Brent Pawel Dmochowski	Taran John An Automated Approach to Evolving Scoring Modules for Multi-class Classification of Ransomware Examiners: Harith Al-Sahaf Ying Bi Yi Mei
15:00	Tian Welgemoed Online Labour Markets Examiners: Jennifer Ferreira Winston Seah Mohammad Nekooei	Jaymon Furniss Deep Learning-Based Stereo Image Inpainting Examiners: Fanglue Zhang Harith Al-Sahaf Bing Xue	Meleteukialupe Soakai The Cloud, Big Data, Big Science - Tiny Workflows. Examiners: Kris Bubendorfer Jyoti Sahni Aaron Chen	Joan Jayme Improving UI/UX of Melon Health's Diabetes Prevention Program Examiners: Simon McCallum Craig Anslow Ghassem Narimani	Ali Alshumaimri Self-tuning DC/DC converter model Examiners: Daniel Burmester Paul Teal Christopher Hollitt	Caleb Madgwick COVID-19 Symptoms Clustering Examiners: Hui Ma Ying Bi Ruwang Jiao
15:15	Break					

Time	AM101 https://vuw.zoom.us/my/engr489am101	AM102 https://vuw.zoom.us/my/engr489am102	AM103 https://vuw.zoom.us/my/engr489am103	AM104 https://vuw.zoom.us/my/engr489am104	AM105 https://vuw.zoom.us/my/engr489am105	AM106 https://vuw.zoom.us/my/engr489am106
15:30	Session 6A Chair Harith Al-Sahaf	Session 6B Chair Stuart Marshall	Session 6C Chair Jens Dietrich	Session 6D Chair Karsten Lundqvist	Session 6E Chair Andrew Lensen	Session 6F Chair Alex Doronin
	Coby Stobbs Real-time Vehicle Status Dashboard for Public Transportation Examiners: Craig Anslow Jyoti Sahni Heitor Gomes	Luke Hawinkels Mobile Air Quality Monitoring System Examiners: Winston Seah Alan Brent Stuart Marshall	Ian Chu-Fong Visual editor for shell pipelines Examiners: Michael Homer Jens Dietrich Ali Ahmed	Bryony Church Designing a Computer Game to Teach Computer Science Concepts Examiners: Karsten Lundqvist Marco Servetto Craig Watterson	Hau Chin Eight360 Motor Characterisation Examiners: Daniel Burmester James Hinkley Bastiaan Kleijn	Jerome Skelton Creating a Computer Video Game Examiners: Zohar Levi Mengjie Zhang Bach Nguyen
15:45	Matthew Jay AR Sandbox Examiners: Simon McCallum Craig Anslow Harith Al-Sahaf	Mohnish Ramanujam Dynamic Tourist Trip Recommender Proposal Examiners: Yi Mei Mengjie Zhang Heitor Gomes	William Hollywood Lightweight Brokerless Publish/Subscribe System for IoT Examiners: Alvin Valera Winston Seah Kris Bubendorfer	Ruby Friend RF Tagging for Rat Habitats Examiners: Christopher Hollitt Yau Hee Kho Howard Lukefahr	Dominic Barratt-Boyes Stick Figures that Learn to Walk Examiners: Bastiaan Kleijn Zohar Levi Andrew Lensen	Jeremy Welsh STAGE Project: Space Turbulence Analysis using Geometrical Exploration Examiners: Alexander Doronin Fanglue Zhang Qi Chen

Time	AM101 https://vuw.zoom.us/my/engr489am101	AM102 https://vuw.zoom.us/my/engr489am102	AM103 https://vuw.zoom.us/my/engr489am103	AM104 https://vuw.zoom.us/my/engr489am104	AM105 https://vuw.zoom.us/my/engr489am105	AM106 https://vuw.zoom.us/my/engr489am106
16:00	Fraser McConnell Passive Attitude Determination and Control System for small satellites Examiners: Kevin Shedlock James Hinkley Howard Lukefahr		Yun Zhou Software Lifecycle Management (SWLCM) tool Examiners: Aaron Chen Jens Dietrich Ali Ahmed	Sanjeeta Singh Game for teaching and learning programming Examiners: Karsten Lundqvist Michael Homer	Lukas Stanley Distributed federated learning Examiners: Kris Bubendorfer Bastiaan Kleijn Winston Seah	Jason Chan A computer game Examiners: Zohar Levi Alexander Doronin Ghassem Narimani