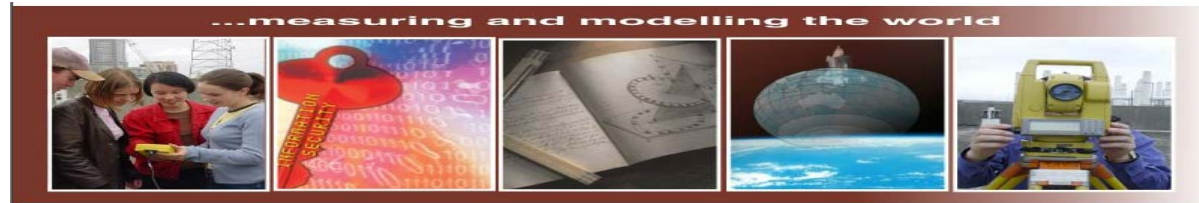


GEOM2115 Geospatial Science Major Project
Wednesday 21st October 2020
RMIT University, Geospatial Science
Online Presentations - Draft 3

Group A (Online Room 1) (3:55pm-6:00pm)			
Student Name	Topic	Supervisor	Time
	preparation and introduction		15:55
Haoxuan Fu	An investigation into planning requirements for multi-unit building subdivisions in Victoria	David Mitchell	16:00
Alex Georgiadis	A comparison of Total Station and Laser Scanner in Best-Fit Title re-establishments	David Mitchell	16:15
Lucas Usher	A comparison of Australian adverse possession	David Mitchell	16:30
Jack Pandolfo	An Analysis on the impacts of Public open space on residential estates in Melbourne's Growth Corridors	David Mitchell	16:45
Julian Gubbels	Laser Scanning and its use in Re-Establishment of Title Boundaries	Don Grant	17:00
Michael Danaher	Efficacy of locating vegetated ambulatory boundaries with LIDAR point cloud data for Crown land management and digital cadastre	Don Grant	17:15
Leigh Wilson	Increasing the Uptake of ePlan in Victoria	Don Grant	17:30
Zachary McDonough	An Investigation into the Creation and Placement of National Boundaries.	Don Grant	17:45
Group B (Online Room 2) (3:55pm-6:00pm)			
Student Name	Topic	Supervisor	Time
	preparation and introduction		15:55
Oscar So	Testing the effect of semantic resonance of colours in maps	Amy Griffin	16:00
William Tucker	Modelling the relationships between sea turtles' nesting pattern and environmental factors	Chayn Sun	16:15
Bradley Denney	Socio-cultural Factors in Cartographic Perception	Amy Griffin	16:30
Jai Ryan	An assessment of vertical fill bar maps	Amy Griffin	16:45
Leah Milekic	An Inter-Comparison of 3D Capture Methods for Equine Weight Estimation from Volume	Karin Reinke	17:00
Hilson Wan	Competitive analysis of interactive web mapping platforms	Amy Griffin	17:15
David Pepin	Mapping Susceptibility to Gentrification: A Case Study of Melbourne, Australia	Gita Pupedis	17:30
Daniel Tori	A spatial analytic method of a people centered response to Covid-19	Gang-jun Liu	17:45

Group C (Online Room 3) (3:55pm-6:00pm)			
Student Name	Topic	Supervisor	Time
	preparation and introduction		15:55
Chih-Ju Peng	height estimated GNSS errors in latitude dependency	Lucas Holden	16:00
Christopher Dodds	The use of real time differential correction of offshore GPS in Hydrographic Surveying	Lucas Holden	16:15
Brendan Teo	The Use of GNSS-Reflectometry in Determining Sea Level Heights	Lucas Holden	16:30
Anthony McCrohan	An investigation into the feasibility of GNSS Reflectometry to observe near surface soil moisture in Australia	Lucas Holden	16:45
Grant Kaylock	Calculating Grain Bunker Volume	Safoora Zaminpardaz	17:00
Jesse Robilliard	How does the scan angle and measurement distance from the scanner affect the accuracy of the scan	Geoff McCamley	17:15
James Gao	An Investigation into the efficiency of MultiStations VS Laser Scanners and Total Stations	Geoff McCamley	17:30
Richard Joyce	GNSS Interference During the 2019-2020 Summer Bushfires and its Applications	Suelynn Choy	17:45
Group D (Online Room 4) (3:55pm-6:00pm)			
Student Name	Topic	Supervisor	Time
	preparation and introduction		15:55
Joel Mason-Shaw	Analysis of SfM techniques vs TLS	Chris Bellman	16:00
Daniel Goodison	Structure from Motion: A look into the effects of lighting environments	Chris Bellman	16:15
Luke Marino	An Investigation into the Use of Structure from Motion in the Underwater Environment by the General Public	Mark Shortis	16:30
Patrick Kemp	Investigation of mobile scanner point clouds for road feature surveys	Mark Shortis	16:45
Joel Gawne	Comparison of Techniques For Documenting A Heritage Site	Mark Shortis	17:00
Stephanie Davies	Structure from Motion Photogrammetry of Asphalt Surfaces	Lucas Holden	17:15
Shaye Fraser	Creating 3-D Digital Models of Historical Artefacts using Macro Photography and Structure from Motion	Lucas Holden	17:30
Daine Barker	The influence of camera lens distortion on producing high precision digital terrain models (DTMs) using SfM	Lucas Holden	17:45



GEOM2115 Geospatial Science Major Project
Thursday 22nd October 2020
RMIT University, Geospatial Science
Online Presentations - Draft 3

Group A (Online Room 1) (3:55pm-6:00pm)

Student Name	Topic	Supervisor	Time
	preparation and introduction		15:55
Sean Reid	Investigating the questions for providers of GPS evidence	Allison Kealy	16:00
Quoc Phong Kha	Investigation into SBAS GNSS Signals on Smartphones	Allison Kealy	16:15
Zoe Hille	Intergrating augmented reality for underground service mapping applications	Allison Kealy	16:30
Jamie Dower	Automation of Satellite Tracking with the RMIT Robotic Optical Observatory	Brett Carter	16:45
James Stowell	Using COSMIC to Track and Monitor Tropical Cyclones	Suelynn Choy	17:00
Eden Coombes	Is SBAS a Viable Alternative to DGPS for Maritime Navigation? A Case Study based on the Pilbara Ports Authority	Suelynn Choy	17:15
Lachlan Noakes	Interoperability of GNSS Reference Frames	Suelynn Choy	17:30
William Lee	An analysis into using InSAR as the primary method to monitor subsidence on large scale projects compared to on site levelling	Simon Fuller	17:45

Group B (Online Room 2) (3:55pm-6:00pm)

Student Name	Topic	Supervisor	Time
	preparation and introduction		15:55
John Feng	Application and effectiveness of laser scanning in reverse engineering and production/design of aftermarket automotive components	Lucas Holden	16:00
Grace Mulcahy	The Contribution of Spatial Innovations for Sustainability in the Australian Mining Industry	Lucas Holden	16:15
Desi Levoyannis	The use of TLS to maintain concrete flatness during the construction process	Lucas Holden	16:30
Hayden Etheridge	Is using InSAR a feasible solution for small business	Lucas Holden	16:45
Matthew Lowe	The future of Cavity Monitoring System Surveys	Chris Bellman	17:00
Callum Dare	Accuracy Assessment of Imagery Services for Surveying Applications	Chris Bellman	17:15
Mitchell Gilbert	The use of LiDAR technology to identify and locate historical mining infrastructure.	Chris Bellman	17:30
			17:45

Group C (Online Room 3) (3:55pm-6:00pm)			
Student Name	Topic	Supervisor	Time
	preparation and introduction		15:55
Ignatiy Startsev	Exploring ways to improve the existing radon map of Australia.	Chris Bellman	16:00
Justin Hayen	Azolla: Using Species Distribution Models to Determine Suitable Habitats for Potential Cultivation in Australia	Chris Bellman	16:15
Jacob Gleeson	The Use Of Remotely Piloted Aircraft Systems in Agriculture	Simon Jones	16:30
Frank Huang	Visualize the Spatial Accessibility of Hospital in Great Melbourne for More Convenient Medical Travel	Gang-jun Liu	16:45
Dilan Liyanage	Vulnerability of residents during the 2019/20 Australian Bushfires	Amy Griffin	17:00
Olivia Slovak	Assessing the Loss of Classification Accuracy From Varying Altitudes of UAV Imagery	Mariela Soto-Berelov	17:15
James Davis	Using Remote Sensing to Map Seabird Habitat in the Recherche Archipelago	Mariela Soto-Berelov	17:30
Leonardo Mai	Investigating Beached Plastic Debris through Object Detection	Mariela Soto-Berelov	17:45
Group D (Online Room 4) (3:55pm-6:00pm)			
Student Name	Topic	Supervisor	Time
	preparation and introduction		15:55
Evan Zissimos	The feasibility of Conducting a title re-establishment and site analysis using 3D terrestrial Laser Scanners	Mark Shortis	16:00
Joseph Leonard	An Investigation into the Legal Traceability of Modern Surveying Technology in Victoria	Don Grant	16:15
Matthew Rix	Trimble R10 Tilt compensation for cadastral surveying	David Mitchell	16:30
Blake Smith	Viability of laser scanner use in a small cadastral business - A case study.	David Mitchell	16:45
Sam Britt	Comparing The Accuracy And Efficiency Of A Total Station And A Laser Scanner Within The Application Of Topographic Surveying	David Mitchell	17:00
Casey Ngo	Using the Australian Vertical Working Surface to Detect Outliers in the Victorian Levelling Network	Don Grant	17:15
Luke Knudsen	Investigation into the Modernisation of the Victorian Digital Cadastre	David Mitchell	17:30
			17:45