

GISSA Western Cape Student Meeting

Date: Wednesday, 15 July, 2026

Platform: In Person and Online

SAGC CE000082 CPD: 0.5 pt

SACNASP cat 1: 0.5 pt

Time	Speaker	Topic	Institute	Duration
09:00 – 09:30	REGISTRATION			
09:30 – 09:55	Petrus Blom	OPENING AND WELCOME	GISSA WC	15mins
09:55 – 10:20	Thomas Elliott	Risk terrain modelling of street robberies in Stellenbosch with an explorative investigation into offender journey-from-crime. (Working topic)	Stellenbosch University	25min
10:20 – 10:45	Kabelo Mothapo	Understanding the spatio-temporal and proliferation dynamics of woody invasive alien species in South African savanna grasslands using multi-sensor fusion (Landsat and ALOS PALSAR) and machine learning algorithm.	Institute for Water Studies-UWC	25min
10:45 – 11:10	Alex Yumbu	Many sensors, one ice shelf: An integrated geodetic approach to monitoring the Fimbul Ice Shelf	University of Cape Town	25min
11:10 – 11:40	REFRESHMENT BREAK			30min
11:40 – 12:05	Sonwabile Freeman Duda	Get kids into survey South Africa Podcast	University of Cape Town	25min
12:05 – 12:30	Mpendulo Sindane	Investigating the impact of feature engineering on CNN-based road extraction from aerial imagery.	Stellenbosch University	25min
12:30 – 12:55	Pfanelo Tshavhungwe	Monitoring Urban Growth in Informal Settlements Using Deep Learning: A Spatial Analysis of Khayelitsha (2013-2022)	Zutari	25min
12:55 – 13:20	Boitumelo Maxala	Integrated use of remote sensing and machine learning for improved assessment of groundwater potential zones in the Sand River Catchment of the semi-arid Limpopo Basin of South Africa	Institute for Water Studies-UWC	25min
13:20 – 13:25	Petrus Blom	CLOSURE	GISSA	5mins
	LUNCH - FINGER FOOD			