

Tentative Programme (Plenary Sessions and Geoinformation Week Track)

Note: For LADM & 3D LA track, and FIG Comm. 5 & 7 track, please follow their respective links.

Room	Day 1 (24 th Sept 2024)	
Chamber II & III	09:00 – 09:30	Opening Remarks <ul style="list-style-type: none"> - Prof Dr Alias Abdul Rahman (Geoinformation Week) - Prof Dr Peter van Oosterom (LADM & 3D LA) - Assoc. Prof Dr Rohan Bennett (FIG Comm. 7) - Dr Eldar Rubinov (FIG Comm. 5) - John Gitau (STDM)
	09:30 – 10:00	Session Chair: Prof Dr. Peter van Oosterom Keynote 1 <ul style="list-style-type: none"> - Research Insights and Perspectives of Urban Digital Twins (Asst. Prof Dr Filip Biljecki, NUS, Singapore)
	10:00 – 10:30	Session Chair: Prof Dr. Peter van Oosterom Keynote 2 <ul style="list-style-type: none"> - Recognizing NCR Lands in Sarawak (Director, Department of Lands and Surveys Sarawak)
	10:30 – 11:00	Coffee Break
Chamber III	11:00 – 13:00	Parallel Sessions
		Geoinformation Week (Room: Sarawak Chamber III) Theme: 3D Buildings Modelling (Session Chair: Prof Dr. Alias Abdul Rahman)
		Invited Talk – Integrating System Dynamics in Urban Digital Twins (Dr Ihab Hijazi)
		Invited Talk – Amalgamated 4D (3D + Temporal) for Land and Marine Cadastre Data Model based on LADM International Standard (Prof Dr Mehmet Alkan)
		The Third Dimension of GIS and LADM – Current Status and Perspectives (Alias Abdul Rahman, Ainn Zamzuri, Hanis Rashidan and Wahyu Marta Mutiarasari)
		Enhancing Simple Geometrical Holes in Fused 3D Building Model using the Laplacian Method (Wahyu Marta Mutiarasari and Alias Abdul Rahman)
		Designing 3D Triangulated Irregular Network Data Structure for Surface and Subsurface Unified Spatial Data Model – Preliminary Work (Michael Moses Apeh, Ivin Amri Musliman and Alias Abdul)
		Enhancing 3D Building Models Segmentation in CityGML (Hanis Rashidan, Ivin Amri Musliman, Gurcan Buyuksalih, Alias Abdul-Rahman and Ismail Rakip Karas)
	13:00 – 14:30	Lunch

Chamber II & III	14:30 – 16:00	Opening Ceremony <ul style="list-style-type: none"> - Sarawak Premier - Appreciation Awards to Major Sponsors
	16:00 – 17:00	Exhibition Booths Visit & Coffee Break
End of Day 1		
Day 2 (25th Sept 2024)		
Chamber II & III	09:00 – 09:20	Session Chair: Assoc. Prof Dr. Rohan Bennett Keynote 3 <ul style="list-style-type: none"> - LADM for National Development Planning (Dr Agung Indrajit, National Development Planning Agency, Indonesia)
	09:20 – 09:40	Session Chair: Assoc. Prof Dr. Rohan Bennett Keynote 4 <ul style="list-style-type: none"> - Global Program on Land for Climate Goals (Mika Petteri (World Bank))
	09:40 – 10:00	Session Chair: John Gitau Keynote 5 <ul style="list-style-type: none"> - Cost-Effective Fit-for-Purpose Positioning for the 21st Century (Eldar Rubinov, FIG Comm. 5)
	10:00 – 10:20	Session Chair: John Gitau Keynote 6 <ul style="list-style-type: none"> - Innovating with Space: How GIS Powers Digital Transformation across Industries (Dr Hafiz Sharkawi, Head of Research, SDEC)
	10:30 – 11:00	Coffee Break
Chamber III	11:00 – 13:00	Parallel Sessions
		Geoinformation Week (Room: Sarawak Chamber III) Theme: Geo-based Artificial Intelligence / Deep Learning (Session Chair: Prof Dr. Mazlan Hashim)
		Invited Talk – Managing Territories with Artificial Intelligence (Prof Dr Hassan Rhinane)
		Geospatial Analysis of Electric Vehicle Charging Infrastructure Deployment: Evaluation of Technical Factors via Artificial Factors via Artificial Intelligence (Mohamed Benayad, Simou Mohamed Rabii and Hassan Rhinane)
		Predictive Analysis of Road Accidents in Casablanca: A Machine Learning Approach (Laaziza Hammoumi, Chaymae Khaloua, Mohamed Benayad, Hassan Rhinane and Saad Farah)
		Development and Evaluation of Geo-AI for Healthcare Discovery (Myriame Virginie Matius and Ivin Amri Musliman)
		Machine Learning for Semi-Automated Land Parcel Plotting (Muhammad Ghaly Kurniawan, Malumbo Chipofya and Dimo Todorovski)
		Assessing Height Determination Accuracy in Digital Terrain Models (DTM) Derived from UAV Data using Sarawak Geocentric Datum

		(Stephen Ling Jin Huat, Ramzi Abdillah, Siti Romiza Romali, Madeline Ambit, Mohd. Faizury Abol Hassan and Wan Anom Wan Aris)
		Assessing the Impact and Efficiency of Cadastral Modernisation on Coordinate Systems for Orthophoto Production: A Comprehensive Evaluation (Mohamad Iskandar Mohamad Usop)
	13:00 – 14:00	Lunch
Chamber III	14:00 – 15:30	Parallel Sessions
		Geoinformation Week (Room: Sarawak Chamber III) Theme: Marine Information System (Session Chair: Dr Rizqi Abdulharis)
		Projection of Sea Surface Salinity using Ensemble of Selected CMIP6 GCMs of Bay-of-Bengal (Mahiuddin Alamgir, Mazlan Hashim and Shamsuddin Shahid)
		Seasonal Variability of Sea Surface Salinity in Malaysia Waters using Space-based Observation of SMOS (Syarif Abdul Asa'Ad Jairin, Ami Hassan Md Din, Mat Nizam Uti, Mohammad Hanif Hamden and Zamri Ismail)
		Investigation of Long-term Sea Level Variation from Satellite Altimeter and Tide Gauge in Southeast Asia Region (Muhammad Luqman Ahmad Affandi, Ami Hassan Md Din, Abd Wahid Rasib and Mohammad Hanif Hamden)
		A Review of Global Ocean Tide Models for Tidal Prediction to Support Hydrographic Separation Model (Fatin Nabihah Syahira Ridzuan, Mohammad Hanif Hamden and Ami Hassan Md Din)
		Assessment of the Optimal Hydrodynamic Model for Malaysian Coastal Waters (Nur Surayatul Atikah Alihan, Ami Hassan Md Din, Mohammad Hanif Hamden and Dudy Wijaya)
	15:30 – 16.00	Coffee Break

Chamber III	16:00 – 17:00	Parallel Sessions
		Geoinformation Week (Room: Sarawak Chamber III) Theme: Satellite based Image Processing & Analysis I (Session Chair: Prof Dr Hassan Rhinane)
		Can Sentinel-1 SAR Deliver Accurate High-Resolution DEMs in Vegetated Humid Tropics? (Musa Muhammad Chindo and Mazlan Hashim)
		Damage Assessment with YOLOv9 instance Segmentation: An Analysis of the Marrakech Earthquake Case Study (Hakima Zair, Zineb El Faraj, Marouane Ouazani Chahidi, Safia Loulad, Samir Zouhri, Saad Farah, Mehdi Maanan and Hassan Rhinane)
		Satellite based Assessment on the Water Yield Deficit at Sub-Watershed Level in Peninsular Malaysia during 2005 Drought (Mohd Rizaludin Mahmud, Mohd. Nadzri Md Reba, Mazlan Hashim, Nurul Nadiah Yahya, Noordiana Hassan, Nurul Hazrina Idris and Suzanna Noor Azmy)
		Developing Time Series Image Analysis Techniques for Landslide Detection (Tsung-Han Wen and Tee-Ann Teo)
End of Day 2		
Day 3 (26th Sept 2024)		
Chamber III	09:00 – 10:30	Parallel Sessions
		Geoinformation Week (Room: Sarawak Chamber III) Theme: GIS & Land Administration I (Session Chair: Prof Dr. Mehmet Alkan)
		An Interactive Spatial Web-based System for Exploring Sri Aman Tourism, Sarawak (Serene Joseph Goyang, Abdul Rauf Abdul Rasam, Muhammad Abdul Hakim Muhamad, Rosmadi Ghazali and Mayuree Nasa Khan)
		Unveiling Legitimacy and Analyzing Sarawak's Maritime Boundary through Historical Archives (Ching Yen Sim, Kelvin Kang Wee Tang and Mohd Razali Mahmud)
		Assessing Perceptions of Digitalization of Land Administration and Land Management (Walter Timo de Vries, Claudia Lindner and Walter Dachaga)
		Geoinformation Week (Room: Sarawak Chamber III) Theme: UAV based Mapping (Session Chair: Mr Teo-Tee Ann)
		Assessing the Performance of Continuous Operating Reference Station (CORS) in UAV Mapping (Dzuren Hamzah, Bakeri Samsudin, Sulaiman Budin, Mickcy Mandang Morgan and Siti Hayatunissa Saminan)
		Optimal Post-Processing Kinematic UAV Photogrammetry Mapping for Volumetric Sandy Beach Mapping (Nursyafiqah Jessica Georgeson, Ahmad Razali Yusoff, Radzuan, Sa'Ari, Ilya Khairanis Othman and Mohd Radhie Mohd Salleh)

		Cross-Sensor Registration Between Ground-based Mobile Lidar and Airborne UAV Images (Tee-Ann Teo, Hao Yu and Pei-Cheng Chen)
	10:30 – 11:00	Coffee Break
Chamber III	11:00 – 12:30	Parallel Session
		Geoinformation Week (Room: Sarawak Chamber III) Theme: GIS & Land Administration II (Session Chair: Mr Soon Kean Huat)
		Revolutionizing Oil Palm Replanting: Geospatial Terrace Design for High-Precision Ground Implementation Compared to Conventional Methods (Nursuhaili Najwa Masrol, Nur Hafizah Mohammed, Nur Nadhirah Rusyda Rosnan, Vijaya Subramaniam and Sim Choon Cheak)
		Creative Mapping a Running Route in Urban Park Settings: A Pilot Study in Marina ParkCity Miri Sarawak Malaysia (Erica Benya Billy, Abdul Rauf Abdul Rasam, Cassandra Gilbert and Rafeah Legino)
		Dilemmas and Contradictions in Managing Integrated Land and Water Rights, Restrictions and Responsibilities (Walter Timo de Vries, Rizqi Abdulharis and Alfita Puspa Handayani)
		Land Administration in Malaysia: An Insight of the 3D-based Future Development Framework (Ahmad Hamidi Mohamed, Mohamad Hezri Razali, Saiful Aman Hj Sulaiman and Amir Sharifuddin Ab Latip)
Chamber II & III	12:30 – 13:00	Closing & Awards Presentation - Next event promotion
	13:00 – 14:00	Lunch
	14:00 – 17:00	Social & Technical Visits
Chamber II & III	19:00 – 23:00	GALA Dinner and Cultural Show - Appreciation Awards to Exhibitors
End of Day 3		