

E PROGRAM BOOK



7th OCTOBER 2020
VIRTUAL CONFERENCE
VIA CISCO WEBEX

"Empowering Geospatial Surveying Towards the 5th Industrial Revolution"

PREFACE

It is a great privilege for us to present one of the special satellite events which brought to you by the 5th International Innovation, Design and Articulation (i-IDeA 2020). The event named, "ISTEC: Advanced Geospatial and Surveying (AGeoS) Conference 2020" which specially organized by the Research, Industry, Community and Alumni Network (RICAN) of Universiti Teknologi MARA, Perlis Branch with the theme of "*Empowering Geospatial Surveying Towards the 5th Industrial Revolution*".

AGeoS 2020 is held on October 7th October 2020 in virtual mode of conference. Being a satellite event of the 5th i-IDeA 2020, the main objective of AGeoS2020 is to provide a platform for researchers, academicians, practitioners, consultants, students as well as industrial professionals from all over the world with different backgrounds and experiences, to present their papers and share their innovative and valuable experience. AGeoS 2020 bring the entire field that synchronized with geospatial and surveying.

The sub-themes are:

- Surveying and Geomatics/3D Cadastral
- GPS and GNSS
- Remote Sensing, Image Processing and Photogrammetry
- LiDAR and Unmanned Aerial Vehicle (UAV)
- GIS (2D and 3D)
- Land Administration Multi-Dimensional Modelling
- Geo-Hazards/Landslides Flood Modelling/Hydro-informatics
- Hydrography and Oceanography
- Sustainable Environment
- Marine Cadastre

We are optimistic and full of hope about getting the manuscripts of AGeoS2020 will be the much-used source of references for all participants. We appreciate that the authors of AGeoS2020 may want to maximize the popularity of their papers. And we will try our best to support them in their endeavors.

Let us wish that all the participants of AGeoS2020 will have a wonderful and fruitful time at the virtual conference, and the Covid19 pandemic will never be the obstacle.

Regards,

AGeoS2020 Conference Committee

FOREWORD FROM RECTOR UiTM PERLIS BRANCH



Assalamualaikum warahmatullahi wabarakatuh.
Salam Sejahtera and Greeting to all.

Welcome to the first virtual conference conducted by the Research, Industry, Community, Alumni, Entrepreneurship (RICAEN), UiTM Perlis Branch. It is an enormous pleasure for us to organise three conferences namely BIZMENT 2020 (International Social Science Conference: Business, Management and Entrepreneurship), AGEOS 2020 (Advanced Geospatial & Surveying Conference) and ISTEC 2020 (The 4th International Conference on Science, Technology and Engineering: Exploring Materials for Future) which are underpinned under I-DeA 2020.

It is indeed a perfect opportunity to host this event amidst the challenges we are facing, in order to provide a stimulating forum for academicians, scientist, environmentalist and students from all over the world to disseminate their research findings and exchange knowledge, expertise and discussions on various topics including business, management and entrepreneurship issues, empowering geospatial surveying, science, technology and engineering towards the 5th Industrial Revolution..

The management would like to thank all participants, our distinguished speakers, researchers, educators, and students for joining and sharing valuable experiences and ideas with us. I hold great expectation that this conference will serve as a beginning to strengthening friendship and academic collaborations across ASEAN.

As a final point, congratulations to the conference organising committee and the management of UiTM Perlis Branch for their diligence and resilience effort and hard work in organising this conference.

Thank You.

PROF DR HJ KHUDZIR HJ ISMAIL

Rector

Universiti Teknologi MARA, Perlis Branch.

FOREWORD FROM CHAIRMAN i-IDeA2020

Dear Delegates,

I am so pleased to welcome many international and local academicians and researchers from various institution to the 5th International Innovation, Design and Articulation 2020 (i-IDeA2020).

i-IDeA™ 2020 is a competition that highlights research products and promotes the culture of research and innovation not only among the local residents of UiTM Perlis but also among participants from local and foreign institutions of higher education. It emphasizes the multidisciplinary focus, emerging scientific and technological development as well as social sciences.

Conferences events under i-IDeA2020 are International Science, Technology and Engineering (ISTEC2020), International Social Science: Business, Management and Entrepreneur Conference (BizMent2020) and Advance Geospatial and Surveying Conference (AGeoS2020).

The events also invite prestigious speakers in their field to share their knowledge and expertise. We would like to thank our Plenary, Keynote, and Invited Speakers from various institutions for accepting our invitation. We also would like to express our gratitude to all the presenters for sharing your finding and ideas.

I would like to extend my gratitude to all the organizing committee and event team members for their effort and support in developing such a stimulating and interesting conferences. On behalf of all organizers, I would like to express appreciation for the sponsorship given by the respective organizations towards the success of i-IDeA2020.

Best Wishes,

ASSOC. PROF. TS. DR. SHUKOR SANIM MOHD FAUZI

Chairman i-IDeA

FOREWORD FROM CONFERENCE CHAIR



On behalf of the organizing committee, I would like to welcome all the delegates and guests to the Advanced Geospatial and Surveying 2020 (AGeoS2020) Conference. I believe this conference will be a great platform to exchange latest research and developments in geospatial, surveying and technology.

The conference which is held on 7th October 2020 features prestigious Plenary lecture by YBhg. Dato' Sr Dr. Azhari Bin Mohamed, Keynote lecture by Distinguished Prof. Dr Biswajeet Pradhan as well as virtual oral parallel sessions.

We are pleased to note that all the selected research papers received by the deadline will be included in related journal. We hope this conference will be a platform for students, lecturers and researchers to build network across Malaysia and internationally. We would like to thank all authors for their outstanding contributions of a large number of submissions.

Finally, we anticipate that the conference will be enjoyable, enlightening and fun with a high-quality program to add to what will be a memorable conference.

I would like to take this opportunity to thank my organizing committee, the i-iDEA2020 steering committee, chairperson of parallel sessions, reviewers, all presenters, our sponsors and exhibitors and Universiti Teknologi MARA (Perlis branch).

Last but not least, on behalf of the committee, I humbly welcome you to the Advanced Geospatial and Surveying 2020 (AGeoS2020) Conference and look forward to your active participation.

Have a great day!

DR. JEYASHELLY ANDAS
Conference Chair

PLENARY SPEAKER**YBhg. Dato' Sr Dr. Azhari Bin Mohamed *DMSM, AMN, PJK, FRISM CHAIRMAN***

Director General of Survey & Mapping Malaysia

Dato' Sr Dr. Azhari bin Mohamed is currently the Director General of Survey and Mapping at the Department of Survey and Mapping Malaysia (JUPEM) in Kuala Lumpur. He had worked as a District Surveyor in Kelantan, Kedah and Perlis and had also served at the Geodetic Survey Division and Boundary Affairs Division. He graduated with an Honours B.Sc. in Surveying and Mapping Sciences from University of East London in 1984 and a M.Phil in GPS Geodesy from the University of Newcastle upon Tyne in 1995. In 2003, he obtained a PhD in Geomatic Engineering from the Universiti Teknologi Malaysia.

His current research interests include the study of the dynamics of the Earth as observed by space geodetic techniques, GPS time series for crustal deformation, sea level variation, Islamic astronomy, and new moon observation. He is an author and co-author of over 50 technical papers and seven books on a variety of topics, notably in geodesy and Islamic astronomy. Currently he is the Vice President of the Royal Institution of Surveyors Malaysia (RISM), Chairman of the Geomatics and Land Surveying Division of RISM, Deputy President of the Malaysian Islamic Astronomical Society, the Secretary of the National Eclipse Trackers (ET) Team and a committee member of the Falak Expert Panel of JAKIM. In 2017, he was elected as Vice-Chair of Working Group 1 of Geodetic Reference Framework for Sustainable Development, United Nations Global Geospatial Information Management Asia Pacific (UN-GGIMAP).

He is also a Fellow of the RISM, an Honorary Fellow of the International Institute of Utility Specialists (IIUS) in Hong Kong, a registered land surveyor and an Adjunct Professor at the Universiti Teknologi Malaysia (UTM).

KEYNOTE SPEAKER**Biswajeet Pradhan, *PhD***

Distinguished Professor and Director
Centre for Advanced Modelling and Geospatial Information Systems (CAMGIS)
Faculty of Engineering & IT
University of Technology Sydney

Distinguished Professor Biswajeet Pradhan is an internationally established scientist in the field of Geospatial Information Systems (GIS), remote sensing and image processing, complex modelling/geo-computing, machine learning and soft-computing applications, natural hazards and environmental modelling and remote sensing of Earth observation. Currently, he is the Director of the Centre for Advanced Modelling and Geospatial Information Systems (CAMGIS) at the Faculty of Engineering and IT and a distinguished professor at the University of Technology, Sydney.

His award and achievement are as follow:

- World's most Highly Cited researcher by Clarivate Analytics Report in 2018, 2017 and 2016 as one of the world's most influential mind.
- World Class Professor by the Ministry of Research, Technology and Higher Education, Indonesia, 2018.
- Recipient of Alexander von Humboldt Research Fellowship from Germany.
- Received his habilitation in "Remote Sensing" from Dresden University of Technology, Germany in 2011.
- "Ambassador Scientist" for Alexander Humboldt Foundation, Germany since February 2015
- Received 55 awards since 2006 in recognition of his excellence in teaching, service and research. Few examples of awards include (1) Springer Best Proceedings Editor Award for

the 1st Conference of the Arabian Journal of Geosciences (CAJG 2018), 12–15 November 2018, Hammamet, Tunisia; (2) Research Star Award by the Malaysian Ministry of Education (2017), (3) Excellent Researcher Award, University Putra Malaysia (2013), and several others.

- Out of his more than 550 articles, more than 450 have been published in science citation index (SCI/SCIE) technical journals.
- Written eight books and thirteen book chapters and his Google scholar profile can be seen at: <https://scholar.google.com/citations?user=kuKwsCwAAAAJ>
- Completed 23 research projects amounting to USD 14 Million.
- A member of many international professional bodies such as Committee of Space research (COSPAR), Senior Member of IEEE, United Nations Outer Space Research Programme (UNOOSA) and many more.
- Regular reviewer for many international bodies such as European Science Foundation, Dutch Research Council, Austrian Science Foundation, Research Council UK (RCUK), Swiss National Science Foundation, Belgian Remote Sensing Program and many more.
- Associate Editor and Editorial Member in more than 8 ISI journals.

Distinguished Prof. Biswajeet Pradhan has developed a strong research national network internationally with organisations and universities in Malaysia, Germany, Norway, the Netherlands, Vietnam, Turkey, Thailand, South Korea, Mexico, Egypt, Canada, Iran, and Indonesia. Professor Pradhan has widely travelled abroad visiting more than 52 countries to present his research findings.

ORGANIZING COMMITTEE

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Vice Chancellor UiTM

Advisor **Prof. Dr. Hj. Khudzir Hj. Ismail**
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The Advanced Geospatial & Surveying Conference (AGeoS)

Conference Chairman **Dr. Jeyashelly Andas**
AGeoS Co-Chairman 1 **Mohd Khairy Kamarudin**
AGeoS Co-Chairman 2 **Gs. Dr. Ernieza Suhana Mokhtar**
Conference Secretary **Sharifah Nafisah Syed Ismail**
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Poster **Nursyahani Nasron**

CONFERENCE ITINERARY



ISTEC: Advanced Geospatial and Surveying Conference 2020 (AGeoS2020)				
7 OCTOBER 2020 (WEDNESDAY)				
Time (MYT / UT)	Itinerary			
	Morning Session			
0730 – 0800 / 2330 - 0000	Opening link to all promotional online media platforms / Registration			
0800 – 1000 / 0000 - 0200	Parallel Session (SURVEYING SCIENCE)	Parallel Session (GEOGRAPHICAL INFORMATION SYSTEM)	Parallel Session (REMOTE SENSING)	Parallel Session (UAV PHOTOGRAMMETRY)
	Chairperson: Sr Dr Ashraf Abdullah	Chairperson: Nurhafiza Md Saad	Chairperson: Gs Dr. Fazly Amri Mohd	Chairperson: Dr Nazirah Md Tarmizi
	Session A 5 presenters	Session B 5 presenters	Session C 5 presenters	Session D 5 presenters
PLENARY & KEYNOTE SESSION				
0945 – 1000 / 0145 - 0200	Welcoming all guests to AGeoS2020 Virtual Conference			
1000 – 1005 / 0200 - 0205	Recital Du'a by Sr Mohd Khairy Kamaruddin			
1005 – 1015 / 0205 - 0215	Opening & welcoming video speech: Rector of UiTM Perlis Branch, Prof Dr. Hj. Khudzir Hj Ismail			
1015 – 1020 / 0215 - 0220	Presenting i-DeA2020 Conference Montage			
1020 – 1100 / 0220 - 0300	PLENARY SPEAKER: Sr Mohd Latif Bin Zainal (Director of Survey (Coordinating and Mapping Policy Division) JUPEM, Malaysia) Title: <i>Empowering Geospatial Surveying Towards the 5th Industrial Revolution</i>			
1100 – 1120 / 0300 - 0320	Hidrokinetik Sdn Bhd: <i>Unmanned Technology in Hidrographic Surveying</i>			
1125 – 1205 / 0325 - 0405	KEYNOTE SPEAKER: Distinguished Prof. Dr Biswajeet Pradhan (Director of Centre for Advanced Modelling and Geospatial, University of Technology Sydney) Title: <i>Spatial Intelligence for Natural Hazards Modelling: Where Are We Heading?</i>			
1205 – 1225 / 0405 - 0425	THS Geosciences Sdn Bhd: <i>Covid19 - Where is Hydrography Headed?</i>			
1225 – 1230 / 0425 - 0430	Online photography session			
1230 – 1235 / 0430 - 0435	Video of Poster's Award Winner			



ISTEC: Advanced Geospatial and Surveying Conference 2020 (AGeoS2020)

Time (MYT / UT)	Itinerary			
	Afternoon Session			
1330 – 1430 / 0530 - 0630	Opening link to all parallel online media platforms / Registration			
1430 – until end of the session / 0630 – until end of the session	Parallel Session (SURVEYING SCIENCE)	Parallel Session (GEOGRAPHICAL INFORMATION SYSTEM)	Parallel Session (REMOTE SENSING)	Parallel Session (MULTIDISCIPLINARY)
	Chairperson: Sr Mohd Adhar Abd Samad	Chairperson: Gs Dr. Nurul Ain Mohd Zaki	Chairperson: Dr Masayu Norman	Chairperson: Siti Maryam Abdul Wahab
	Session E 6 presenters	Session F 4 presenters INVITED SPEAKER: Dr. Effi Helmy Ariffin “The effect of Coastal Defence on Shoreline Changes in Monsoon Dominated Coast”	Session G 5 presenters	Session H 6 presenters



PARALLEL SESSION SCHEDULE

MORNING SESSION



Cawangan Perlis
Kampus Arau



SESSION A

FIELD: SURVEYING SCIENCE

CHAIRPERSON: Sr Dr. Ashraf Abdullah

TIME (MYT / UT)	PRESENTATION
0800 – 0810 / 0000 - 0010	Introduction by Chairperson
0810 – 0830 / 0010 - 0030	“Title: Marine Spatial Alienation Perspective in Malaysia Towards Marine Cadastre Implementation <i>Ashraf Abdullah</i> ”
0830 – 0850 / 0030 - 0050	“Title: Terrestrial Laser Scanner Self-Calibration: Quantitative Evaluation of Minimum Network Configuration” <i>Samsuri Mohd Salleh, Mohamad Aizat Asyraf Mohamad Azmi, Mohd Azwan Abbas, Mohamad Asrul Mustafar, Norshahrizan Mohd Hashim, Saiful Aman Sulaiman and Che Senu Salleh</i> ”
0850 – 0910 / 0050 - 0110	“Title: Accuracy Assessment of Atlas L-band GNSS Global Correction Service and Autonomous Positioning at Perlis, Malaysia” <i>Mohd Zainee Zainal, Wan Muhammad Syafiq Wan Mohd Suhaimi, Nurul Ain Mohd Zaki, Noorzalaniee Ghazali, Khairulazhar Zainuddin and Hamlussalam Md Dali</i> ”
0910 – 0930 / 0110 - 0130	“Title: Tree inundation period determination for mangroves rehabilitation monitoring” <i>Muhammad Aiman Mohd Mokhtar, Noorzalaniee Ghazali, Mohd Zainee Zainal, Khairulazhar Zainuddin and Hamlussalam Md. Dali</i> ”
0930 – 0950 / 0130 - 0150	“Title: A Newly Established Geodetic Datum and Map Projection of UTM Geodetic Markers using Geodetic Type Receiver” <i>Liew Jeng U, Ami Hassan Md Din, Khairulnizam M Idris, Mohammad Hanif Hamden, Nur Adilla Zulkifli and Andi Mohd Hairu Ansar</i> ”
0950 – 0955 / 0150 - 0155	Photography Session
0955 – 1000 / 0155 - 0200	Session postponement announcement by Chairperson



SESSION B
FIELD: GEOGRAPHIC INFORMATION SYSTEM

CHAIRPERSON: Sr Nurhafiza Md Saad

TIME (MYT / UT)	PRESENTATION
0800 – 0810 / 0000 - 0010	Introduction by Chairperson
0810 – 0830 / 0010 - 0030	“Title: Correspondence Between Drug Addict Mapping and Crime Activities Distribution” <i>Nurhafiza Md Saad, Nazlin Md Jamil, Noorfatekah Talib, Siti Aminah Anshah and Abdul Rauf Abdul Rasam</i>
0830 – 0850 / 0030 - 0050	“Title: Land Suitability for Potential Jatropha Plantation in Malaysia” <i>Ernieza Suhana Mokhtar, Norshahirah Md Akhir, Nurul Ain Mohd Zaki, Farrah Melissa Muharam, Biswajeet Pradhan and Usman Salihu Lay</i>
0850 – 0910 / 0050 - 0110	“Title: Cross Section Intervals of Flood Inundation Mapping at Ungauged Area” <i>Suhaila Hashim, Ernieza Suhana Mokhtar, Ahmad Ikhwan Abdul Halim, Wan Mohd Naim Wan Mohd, Nor Aizam Adnan and Biswajeet Pradhan</i>
0910 – 0930 / 0110 - 0130	“Title: Soil Suitability Analysis for Harum Manis Mango Cultivation in UiTM Arau, Perlis” <i>Nursyahani Nasron, Nur Shakira Ghazali, Nurhaliza Mohamad Shahidin, Azlizan Adila Mohamad, Noorsazwan Ahmad Pugi and Noorazwani Mohd Razi</i>
0930 – 0950 / 0130 - 0150	“Title: Applicability of the CA-Markov Model in Land-use/ Land cover Change Prediction for Urban Sprawling in Batticaloa Municipal Council, Sri Lanka” <i>Mathanraj Seevarethnam, Noradila Rusli and Gabriel Hoh Teck Ling</i>
0950 – 0955 / 0150 - 0155	Photography Session
0955 – 1000 / 0155 - 0200	Session postponement announcement by Chairperson



SESSION C
FIELD: REMOTE SENSING
 CHAIRPERSON: Gs Dr Fazly Amri Mohd

TIME (MYT / UT)	PRESENTATION
0800 – 0810 / 0000 - 0010	Introduction by Chairperson
0810 – 0830 / 0010 - 0030	“Title: The Extraction of Shoreline Erosion at Kuala Terengganu Using High Spatial Resolution Image” <i>Fazly Amri Mohd, Mohd Khairy Kamarudin, Masayu Norman, Zuraihan Mohamad, Ashnita Rahim and Rohayu Haron Narashid</i>
0830 – 0850 / 0030 - 0050	“Title: Assessment of Pleiades Satellite Image for Mangrove Classification” <i>Siti Aminah Anshah, Sharul Nizam Rosli, Hamdan Omar, Noorfatekah Talib, Nurhafiza Md Saad and Mimi Diana Ghazali</i>
0850 – 0910 / 0050 - 0110	“Title: Evaluation of Satellite Based Rainfall Precipitation Estimation” <i>Zuraihan Mohamad, Mohamad Zaid Abu Bakar and Masayu Norman</i>
0910 – 0930 / 0110 - 0130	“Title: Estimation of Carbon Sequestration in Hilir Perak District” <i>Mohd Khairy Kamarudin and Fazly Amri Mohd</i>
0930 – 0950 / 0130 - 0150	“Title: The Comparison of Land Subsidence between East and West Side of Bangkok, Thailand” <i>Angkana Pumpuang and Anuphao Aobpaet</i>
0950 – 0955 / 0150 - 0155	Photography Session
0955 – 1000 / 0155 - 0200	Session postponement announcement by Chairperson



Cawangan Perlis
Kampus Arau



SESSION D
FIELD: UAV PHOTOGRAMMETRY
CHAIRPERSON: Dr Nazirah Md Tarmizi

TIME (MYT / UT)	PRESENTATION
0800 – 0810 / 0000 - 0010	Introduction by Chairperson
0810 – 0830 / 0010 - 0030	“Title: Accuracy Assessment of Detecting Cracks on Concrete Wall at Different Distances using Unmanned Autonomous Vehicle (UAV) Images” <i>Sharifah Norashikin Bohari, Ain Uzzairah Amran, Nurul Ain Mohd Zaki, Muhammad Safwan Suhaimi and Abdul Rauf Abdul Rasam</i>
0830 – 0850 / 0030 - 0050	“Title: A Comparative Flight Altitude Using Multi-Rotor UAV for Oil Palm Tree Counting” <i>Noorfatekah Talib, Mohamad Shafizal Mohd Saad, Siti Aminah Anshah, Nurhafiza Md Saad, Mimi Diana Ghazali, Mohd Amsyar Abdullah and Wan Jafni Hazwan Wan Mohd Jailani</i>
0850 – 0910 / 0050 - 0110	“Title: Accuracy Assessment of Non-Metric Digital Camera for Lab And Field Calibration” <i>Ashnita Rahim, Muhammad Safwan Suhaimi, Sharifah Norashikin Bohari, Mohd Azwan Abbas and Muhammad Haziq Muzaini Kamaruzaman</i>
0910 – 0930 / 0110 - 0130	“Title: Application of Unmanned Aerial Vehicles (UAV) in conducting site analysis for urban planning purposes” <i>Bridget Rata Nelson and Noradila Rusli</i>
0930 – 0950 / 0130 - 0150	“Title: Application of Thailand Realtime CORS GNSS Network for UAVs Photogrammetry” <i>Torlap Kanplumjit, Rojana Koonpoon and Somjai Muenjorn</i>
0950 – 0955 / 0150 - 0155	Photography Session
0955 – 1000 / 0155 - 0200	Session postponement announcement by Chairperson



PARALLEL SESSION SCHEDULE

AFTERNOON SESSION



SESSION E
FIELD: SURVEYING SCIENCE
 CHAIRPERSON: Sr Mohd Adhar Abd Samad

TIME (MYT/UT)	PRESENTATION
1430 – 1440 / 0630 - 0640	Introduction by Chairperson
1440 – 1500 / 0640 - 0700	“Title: Investigation of Delay Issues on Application of Strata Title System at Pulau Pinang” <i>Mohd Adhar Abd Samad, Mohammad Azim Mohd Asri, Mimi Diana Ghazali, Mohamad Azril Che Aziz and Mohd Khairy Kamarudin</i>
1500 – 1520 / 0700 -0720	“Title: Assessment of Coastal Altimetry Data in the South China Sea using Multiple Frequency Approaches” <i>Andi Mohd Hairry Ansar, Ami Hassan Md Din, Khairulnizam M Idris, Mohammad Hanif Hamden, Mat Nizam Utu and Liew Jeng U</i>
1520 – 1540 / 0720 - 0740	“Title: Delineation Method of Kedah-Perlis State Marine Boundary Line in Reference to Warta Persempadanan Kerajaan Negeri Kedah 1953” <i>Nazirah Md Tarmizi, Norsakinah Abdul Wahab, Mohd Shukri Mohd Yusop and Ashraf Abdullah</i>
1540 – 1600 / 0740 - 0800	“Title: The Analysis and prediction of tide at Kukup Using U-Taps software” <i>Auwal Garba Abubakar, Mohd Razali Mahmud and Kelvin Kang Tang</i>
1600 – 1620 / 0800 - 0820	“Title: Least square modification of stokes formulae with additive corrections estimator for Klang Valley geoid modelling” <i>Tang Kieh Ming, Zulkarnaini Mat Amin and Ami Hassan Md Din</i>
1620 – 1640 / 0820 - 0840	“Title: Mapping for Indoor Walking Path Using Mobile Scanner” <i>Nurfadhilah Ruslan, Nabilah Naharudin and Nur Syazwani Rasdhan</i>
1640 – 1645 / 0840 - 0845	Photography Session
1645 – 1650 / 0845 - 0850	Event closing announcement by Chairperson



Cawangan Perlis
Kampus Arau



SESSION F
FIELD: GEOGRAPHIC INFORMATION SYSTEM
CHAIRPERSON: Gs Dr Nurul Ain Mohd Zaki

TIME (MYT/UT)	PRESENTATION
1430 – 1440 / 0630 - 0640	Introduction by Chairperson
1440 – 1505 / 0640 - 0705	Invited Speaker: Dr Effi Helmy Ariffin <i>"The effect of Coastal Defence on Shoreline Changes in Monsoon Dominated Coast"</i>
1505 – 1525 / 0705 - 0725	"Title: Mapping Immigrant Populations: A GIS-Based Public Perception Exploratory Analysis" <i>Athanasius Sumping, Abdul Rauf Abdul Rasam, Nor Aizam Adnan and Nurhafiza Md Saad</i>
1525 – 1545 / 0725 - 0745	"Title: Disease Risk Mapping of Tuberculosis Hotspots in Klang: Where and Why the Areas Can Be at High Risk of Infection?" <i>Ilham Abdul Jalil and Abdul Rauf Rasam</i>
1545 – 1605 / 0745 - 0805	"Title: Exploring the Potential of GIS Application for Muslim Cemetery Management" <i>Noradila Rusli, Ami Hassan Md. Din, M. Rafee Majid and Ahmad Johari Awang</i>
1605 – 1625 / 0805 - 0825	"Title: Identification and Analysis of Poverty Area in Kuala Perlis by using Geographical Information System Application" <i>Mohamad Azril Che Aziz, Nada Syifaa Inani Rosli, Mohd Khairy Kamarudin and Mohd Adhar Abd Samad</i>
1625 – 1645 / 0825 - 0845	Photography Session
1645 – 1650 / 0845 - 0850	Event closing announcement by Chairperson



Cawangan Perlis
Kampus Arau



SESSION G
FIELD: REMOTE SENSING
CHAIRPERSON: Dr Masayu Norman

TIME (MYT/UT)	PRESENTATION
1430 – 1440 / 0630 - 0640	Introduction by Chairperson
1440 – 1500 / 0640 - 0700	“Title: Urban building detection using object-based image analysis (OBIA) and machine learning (ML) algorithms” <i>Masayu Norman, Hanani Mohd Shahar, Zuraihan Mohamad, Ashnita Rahim, Fazly Amri Mohd and Helmi Zulhaidi Mohd Shafri</i>
1500 – 1520 / 0700 - 0720	“Title: A Three Decades Urban Growth Monitoring in Hadejia, Nigeria Using Remote Sensing and Geospatial Techniques” <i>Jibrin Gambo, Yusuf Ahmad Yusuf, Helmi Zulhaidi Bin Mohd Shafri, Usman Salihu Lay and Abubakar Ahmad</i>
1520 – 1540 / 0720 - 0740	“Title: Planted Forest Fire Burn Area and Impact Assessment Using Sentinel-2: Case Study of the University of Ilorin Teak Plantation” <i>Mohammed Idrees, Folaranmi Babalola, Omar Dahir, Abdulganiyu Yusuf and Ayo Babalola</i>
1540 – 1600 / 0740 - 0800	“Title: Coastal Geomorphology and Erosion Rate Analysis along Pulau Tuba, Langkawi” <i>Nor Aizam Adnan, Farah Qistina Shahibul Fadilah, Ernieza Suhana Mokhtar, Abdul Rauf Abdul Rasam, Mohd Fazly Amri Mohd and Raihan Maisara Ahmad Idzdihar</i>
1600 – 1620 / 0800 - 0820	“Title: A Conceptual Paper on Estimating Above Ground Biomass Carbon Sequestration” <i>Noorazwani Mohd Razi, Wani Ruzainee Mohd Izani and Nursyahani Nasron</i>
1620 – 1625 / 0820 - 0825	Photography Session
1625 – 1630 / 0825 - 0830	Event closing announcement by Chairperson



Cawangan Perlis
Kampus Arau



SESSION H
FIELD: MULTIDISCIPLINARY
CHAIRPERSON: Siti Maryam Abdul Wahab

TIME (MYT/UT)	PRESENTATION
1430 – 1440 / 0630 - 0640	Introduction by Chairperson
1440 – 1500 / 0640 - 0700	“Title: An Overview on Malay Reserve Enactment between States in Peninsular Malaysia” <i>Siti Maryam Abdul Wahab and Nurul Atikah Rosli</i>
1500 – 1520 / 0700 - 0720	“Title: Effect of Erosion and Accretion on Beach Profile in Kuala Terengganu Coastal Areas” <i>Rohayu Haron Narashid, Muhammad Arif Zakaria, Fazly Amri Mohd, Muhammad Faiz Pa'Suya, Effi Helmy Ariffin and Noorfatekah Talib</i>
1520 – 1540 / 0720 - 0740	“Title: Assessment of Augmented Reality Mobile Application for Educational Purposes” <i>Amirul Afiq, Noradila Rusli, Gabriel Hoh Teck Ling and Lee Yoke Lai</i>
1540 – 1600 / 0740 - 0800	“Title: Towards Automated Digitization of Cartographic Paper Maps: Issues, Challenges and Potentials in Malaysia Library Archive” <i>Saiful Anuar Jaafar and Abdul Rauf Abdul Rasam</i>
1600 – 1620 / 0800 - 0820	“Title: Free Online Cartographic Tools for Automatic Map Generation: An Exploratory Study on Tourists Geovisualization” <i>Nazrin Jiro, Abdul Rauf Abdul Rasam and Sharifah Norashikin Bohari</i>
1620 – 1640 / 0800 - 0840	“Title: Augmented Reality (AR) for Promoting Public Participation in Urban Planning: A Pilot Study” <i>Johari Awang, Rafee Majid and Noradila Rusli</i>
1640 – 1645 / 0840 - 0845	Photography Session
1645 – 1650 / 0845 - 0850	Event closing announcement by Chairperson

SCHEDULE & ONLINE CONFERENCE LINK



Whatsapp / Call for any
enquiry
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OFFICIAL ONLINE
PLATFORM:



7th OCTOBER 2020

<p>SESSION A (SURVEYING SCIENCE)</p> <p>TIME:</p> <ul style="list-style-type: none"> • UT: 0000 – 0200 • MYT: 0800 – 1000 <p>LINK: https://tinyurl.com/yys8423q</p> <p>PASSWORD: AGEOS</p>	<p>SESSION B (GIS)</p> <p>TIME:</p> <ul style="list-style-type: none"> • UT: 0000 – 0200 • MYT: 0800 – 1000 <p>LINK: https://tinyurl.com/y3jexlhu</p> <p>PASSWORD: AGEOS</p>
<p>SESSION C (REMOTE SENSING)</p> <p>TIME:</p> <ul style="list-style-type: none"> • UT: 0000 – 0200 • MYT: 0800 – 1000 <p>LINK: https://tinyurl.com/y3t434wt</p> <p>PASSWORD: AGEOS</p>	<p>SESSION D (UAV PHOTOGRAMMETRY)</p> <p>TIME:</p> <ul style="list-style-type: none"> • UT: 0000 – 0200 • MYT: 0800 – 1000 <p>LINK: https://tinyurl.com/y6efhya9</p> <p>PASSWORD: AGEOS</p>
<p>PLENARY AND KEYNOTE SESSION</p> <p>TIME:</p> <ul style="list-style-type: none"> • UT: 0145 – 0430 • MYT: 0945 – 1230 <p>LINK: https://tinyurl.com/y59uwnzi</p> <p>PASSWORD: AGEOS</p>	
<p>SESSION E (SURVEYING SCIENCE)</p> <p>TIME:</p> <ul style="list-style-type: none"> • UT: 0630 – 0930 • MYT: 1430 – 1730 <p>LINK: https://tinyurl.com/y2rtwkk6</p> <p>PASSWORD: AGEOS</p>	<p>SESSION F (GIS)</p> <p>TIME:</p> <ul style="list-style-type: none"> • UT: 0630 – 0930 • MYT: 1430 – 1730 <p>LINK: https://tinyurl.com/y2em6ky7</p> <p>PASSWORD: AGEOS</p>
<p>SESSION G (REMOTE SENSING)</p> <p>TIME:</p> <ul style="list-style-type: none"> • UT: 0630 – 0930 • MYT: 1430 – 1730 <p>LINK: https://tinyurl.com/y6pq2qwj</p> <p>PASSWORD: AGEOS</p>	<p>SESSION H (MULTIDISCIPLINARY)</p> <p>TIME:</p> <ul style="list-style-type: none"> • UT: 0630 – 0930 • MYT: 1430 – 1730 <p>LINK: https://tinyurl.com/y67gsxa5</p> <p>PASSWORD: AGEOS</p>

LIST OF POSTER PRESENTATION

Poster Title	Author(s)
School Mapping System Using GIS in Kulim Bandar Baharu District	Norina Omar, Nur Hani Nasihah Hedzir, Nor Hidayah Hamdan
Plumb Bob 2.0	Bavithira a/p Ganesan, Maniarasiy a/p Revindran, Norina Binti Omar
Establishment of Differential Field Test Demo Station In Politeknik Tuanku Sultanah Bahiyah	Nur Balqis Binti Jamalluddin, Wan Nuramirah Binti Wan Rahmat Wan Rahmat and Norul Huda Binti Shamsudin
Basic Survcomp Tool	Norul Huda binti Shamsudin
Towards A 3d Cadastre Augmented Reality In Malaysia	Farah Ilyana binti Hairuddin, Abdul Rauf bin Abdul Rasam, and Mohamad Hezri bin Razali
Development of Android Application for Peninsular Malaysia Geoid Height Calculator	Mohamad Nazir Md Nazri, Muhammad Faiz Pa'suya
Dominant Tree Species Classification Using Remote Sensing Data and Object-Based Image Analysis (Obia)	Juhaida Jamal, Nurul Ain Mohd Zaki , Mohd Nazip Suratman , Zulkiflee Abd Latif , Hamdan Omar , Mohd Zainee Zainal , Sharifah Norashikin
Reliability Study of Solar Observation as Constraints in Cadastral Network Adjustment	Mohamad Faiz Mohd Zaim, Mohd Azwan Abbas, Norshahrizan Mohd Hashim
Numerical Simulation of Ground Penetrating Radar (Gpr) Signal for Laterite Soil Using Finite Difference Time Domain (Fdtd)	Muhammad Aiman Safi'n, Mimi Diana Ghazali
Effect of Partially Fix in Least Squares Adjustment	Mohamad Amirul Rozali, Norshahrizan Mohd Hashim, Mohd Azwan Abbas
Improvement Of Power Transmission Line Location At Tropical Forest Area In Avoiding Endangered Tree Species	Sofiya Zulaikha Ruslan, Nurul Ain Mohd Zaki, Zulkiflee Abd Latif, Mohd Nazip Suratman, Hamdan Omar, Mohd Zainee Zainal, Sharifah Norashikin Bohari and Ernieza Suhana Mokhtar
Assessment Of Automated Road Features Extraction Algorithm From Uav Images	Amirul Ahmad, Sharifah Norashikin Bohari
Seamless Vertical Datum Model Over Sarawak Region Using Kth Method	Nurfarah Razali, Muhammad Faiz Pa'suya, Ami Hassan Md Din
Analysis Of Ground Movements On The Steep Hillside Using The Geological Approach Method Study Case: Inhabited Resident Of Bukit Kencana Jaya, Meteseh, Semarang, Central Java	Kartika Luthfia Ariwibowo, Miftahul Jannah, Adelia Gading Wanazizah, Kurnia Fadhli and Muhammad Nanda Nurhaqqy

Affected Area Estimation Using Calibrated Discharge At Ungauged Catchment	Mohamad Nur Syafiq Mohamad Faisa, Ernieza Suhana Mokhtar and Farah Hanani Amran
Reliability Of Angular Adjustment Approach To Reduce Cadastral Databased	Muhamad Aliff Haikal Kamaruzzaman, Mohd Azwan Abbas, Norshahrizan Mohd Hashim
Integration of Sirah And Geography Elements In Teaching And Learning Using Multimedia Approach	Erna Nurfazana Nurizan, Ernieza Suhana Mokhtar, Siti Zulaiha Ahmad, Nurhazwani Kasban
Green Technology Filter System	S.Lohshini, Haziqah.A, Ilman N, Rhahimi J, and Zarina S.S
Reliability Study of Uav Photogrammetry For Slope Maintenance In Naka, Kedah	Mohamad Fadhilah Bin Azri, Ashraf Abdullah
Identifying Factor of Forest Fire Risk In Selangor Using Analytical Hierarchy Process (Ahp)	Nur Amirah Mohammad Noor Azam, Nursyahani Nasron, Noorazwani Mohd Razi, Azlizan Adila Mohamad, and Noorsazwan Ahmad Pugi

LIST OF REVIEWERS

Name	Organisation
Assoc. Prof. Dr. Khairul Nizam Abdul Maulud	Department of Civil Engineering, Faculty of Engineering & Built Environment, Universiti Kebangsaan Malaysia
Prof Sr Dr.Mohd Sanusi S. Ahamad	School of Civil Engineering Engineering Campus Usm
Dr.Nabilah Naharudin	Faculty of Architecture, Planning & Surveying Universiti Teknologi MARA
Dr. Norhakim Yusof	Jabatan Geoinformasi, Fakulti Geoinformasi Dan Harta Tanah, Universiti Teknologi Malaysia,
Assoc. Prof. Dr. Anuar Ahmad	Jabatan Geoinformasi, Fakulti Geoinformasi Dan Harta Tanah, Universiti Teknologi Malaysia MALAYSIA.
Assoc. Prof. Dr. Nor Aizam Binti Adnan	Faculty of Architecture, Planning & Surveying Universiti Teknologi MARA
Dr.Abdul Rauf Abdul Rasam	Faculty of Architecture, Planning & Surveying Universiti Teknologi MARA
Sr Dr.Khairul Nizam Tahar	Faculty of Architecture, Planning & Surveying Universiti Teknologi MARA
Sr Dr. Ainon Niza Othman	Faculty of Architecture, Planning & Surveying Universiti Teknologi MARA
Dr.Saiful Aman Bin Hj Sulaiman	Faculty of Architecture, Planning & Surveying Universiti Teknologi MARA
Dr.Izham Mohamad Yusoff	Pusat Pengajian Pendidikan Jarak Jauh Universiti Sains Malaysia,
Assoc. Prof. Dr.Helmi Zulhaidi B Mohd Shafri	Department of Civil Engineering, Universiti Putra Malaysia
Dr.Ami Hassan Md Din	Jabatan Geoinformasi, Fakulti Geoinformasi Dan Harta Tanah, Universiti Teknologi Malaysia,
Dr.Rabieahtul Binti Abu Bakar	The Centre for Southeast Asia Disaster Prevention Research Initiative (SEADPRI-UKM) Pusat Kajian Bencana Asia Tenggara Universiti Kebangsaan Malaysia
Sr. Dr. Nazirah Binti Mohamad Abdullah	Faculty of Civil Engineering and Built Environment, Universiti Tun Hussein Onn Malaysia
Dr.Azlan Bin Yahya	Jabatan Kejuruteraan Awam, Politeknik Tuanku Sultanah Bahiyah MALAYSIA.

Prof. Sr Dr. Zulkiflee Abd Latif	Faculty of Architecture, Planning & Surveying Universiti Teknologi MARA
Assoc. Prof. Sr Dr. Siti Aekbal Salleh	Faculty of Architecture, Planning & Surveying Universiti Teknologi MARA
Dr. Jatisankar Bandyopadhyay	Department of Remote Sensing & GIS, Vidyasagar University,
Dr. Noradila Rusli @ Ruslik	Jabatan Perancang Bandar & Wilayah, Fakulti Alam Bina Dan Ukur, Universiti Teknologi Malaysia
Dr. Mohd Rizaludin Bin Mahmud	Jabatan Geoinformasi Fakulti Geoinformasi Dan Harta Tanah Universiti Teknologi Malaysia
Mrs Siti Nor Maizah Saad	Pusat Pengajian Sains Ukur dan Geomatik, Fakulti Senibina Perancangan dan Ukur, UiTM Cawangan Perlis
Mrs Samera Samsuddin Sah	Fakulti Teknologi Kejuruteraan Kimia, Universiti Malaysia Perlis, Kompleks Pusat Pengajian Jejawi 3,
Dr Nurul Ain Mohd Zaki	Pusat Pengajian Sains Ukur dan Geomatik, Fakulti Senibina Perancangan dan Ukur, UiTM Cawangan Perlis
Assoc Prof. Dr. Mohd Azwan Bin Abbas	Pusat Pengajian Sains Ukur dan Geomatik, Fakulti Senibina Perancangan dan Ukur, UiTM Cawangan Perlis
Dr. Nazirah Md Tarmizi	Pusat Pengajian Sains Ukur dan Geomatik, Fakulti Senibina Perancangan dan Ukur, UiTM Cawangan Perlis
Dr. Ernieza Suhana Mokhtar	Pusat Pengajian Sains Ukur dan Geomatik, Fakulti Senibina Perancangan dan Ukur, UiTM Cawangan Perlis
Mr. Mohamad Asrul Mustafar	Pusat Pengajian Sains Ukur dan Geomatik, Fakulti Senibina Perancangan dan Ukur, UiTM Cawangan Perlis
Dr. Rizaiddin Saian	Fakulti Sains Komputer dan Matematik UiTM Cawangan Perlis
Dr. Zeti Zuryani Mohd Zakuan	Jabatan Undang-undang, Fakulti Senibina Perancangan dan Ukur, UiTM Cawangan Perlis
Sr. Khairulazhar Zainuddin	Pusat Pengajian Sains Ukur dan Geomatik, Fakulti Senibina Perancangan dan Ukur, UiTM Cawangan Perlis, Kampus Arau,
Dr. Norhadija Darwin	Jabatan Geoinformasi Fakulti Geoinformasi Dan Harta Tanah Universiti Teknologi Malaysia

Dr.Muhammad Hafiz Bin Mohd Yatim	Seksyen Pembangunan Kompetensi, Jabatan Ukur Dan Pemetaan Malaysia, Wisma JUPEM,
Mrs Suhaila Hashim	Pusat Pengajian Sains Ukur dan Geomatik, Fakulti Senibina Perancangan dan Ukur, UiTM Cawangan Perlis
Dr. Masayu Hj Norman	Pusat Pengajian Sains Ukur dan Geomatik, Fakulti Senibina Perancangan dan Ukur
Sr Norshahrizan Mohd Hashim	Pusat Pengajian Sains Ukur dan Geomatik, Fakulti Senibina Perancangan dan Ukur, UiTM Cawangan Perlis
Sr Dr.Ismail Maarof	Pusat Pengajian Sains Ukur dan Geomatik, Fakulti Senibina Perancangan dan Ukur, UiTM Cawangan Perlis
Mrs Noor Anim Zanariah Yahaya	Department of Geomatic Engineering, Universiti Teknologi Malaysia
Dr.Khairulnizam M Idris	Jabatan Geoinformasi, Fakulti Geoinformasi Dan Harta Tanah, Universiti Teknologi Malaysia
Dr. Alvin Lau Ming Shin	Jabatan Geoinformasi, 210-01, B08 Aras 2 Fakulti Alam Bina Dan Ukur Universiti Teknologi Malaysia Skudai
Assoc Prof Dr Rosmadi Bin Ghazali	Faculty of Architecture, Planning & Surveying Universiti Teknologi MARA
Sr Noorzalaniee Ghazali	Pusat Pengajian Sains Ukur dan Geomatik, Fakulti Senibina Perancangan dan Ukur, UiTM Cawangan Perlis
Dr. Rohayu Haron Narashid	Pusat Pengajian Sains Ukur dan Geomatik, Fakulti Senibina Perancangan dan Ukur, UiTM Cawangan Perlis
Dr.Muhammad Imzan Hassan	Jabatan Geoinformasi Fakulti Geoinformasi Dan Harta Tanah Universiti Teknologi Malaysia
Dr.Mohammad Zakri Bin Tarmidi	Jabatan Geoinformasi, 311-01, C03 Aras 3 Fakulti Alam Bina Dan Ukur Universiti Teknologi Malaysia, Skudai, Johor
Sr Tengku Afrizal Tengku Ali	Pusat Pengajian Sains Ukur dan Geomatik, Fakulti Senibina Perancangan dan Ukur, UiTM Cawangan Perlis

LIST OF JUDGES FOR POSTER PRESENTATION

Name	Organisation
Ts Dr Mohd Nazri Bin A Karim	Universiti Malaysia Perlis
Mohd Nazri Bin Masrom	Petronas Carigali
Muhammad Hafiz Bin Mohd Yatim	Jabatan Ukur Dan Pemetaan Malaysia (Jupem)
Mohd Amsyar Bin Abdullah	PLISCA (M) SDN BHD
Nur Shafira Nisa Shaharum	Monash University, Monash
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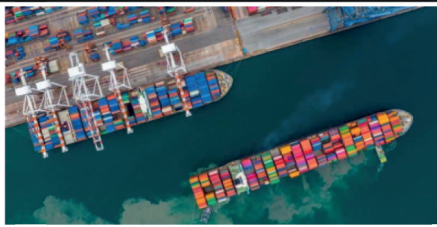
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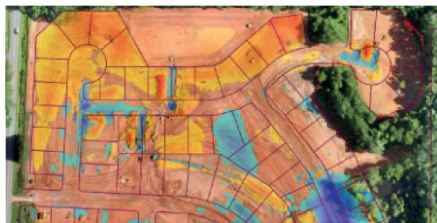
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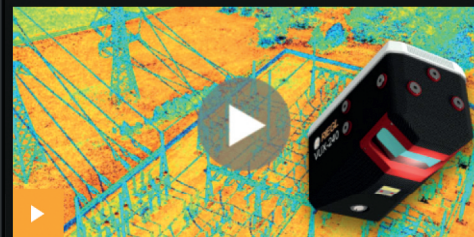
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