

PRESENTATION SCHEDULE

4th International Conference on Science and Technology
Applications in Climate Change

*** Please note that the time given is Malaysia Time and you are requested to look at your corresponding national time zone to join on time.**

DAY 1 (1 JULY 2021)	
Time (MYT*)	Programme
08:00 – 08:50	Virtual conference room opens for access
08:50 - 09:00	Opening by Emcee
09:00 – 09:10	Welcome Remarks By YBhg. Prof. Dr. Mohd Nizam Mohd Said <i>Director of Institute of Climate Change (IPI)</i> <i>Universiti Kebangsaan Malaysia (UKM)</i>
09:10 – 09:20	Opening By YBhg. Prof. Dato' Ir. Dr. Abdul Wahab Mohammad <i>Deputy Vice Chancellor (Research & Innovation)</i> <i>Universiti Kebangsaan Malaysia (UKM)</i>
09:20 – 10:00	Keynote Speaker I: YBhg. Prof. Dr. Joshua S. Fu <i>The University of Tennessee Knoxville, USA</i> Title: Integrated Engineering and Earth Systems Science as Solution to Climate Change: Lessons and

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	Opportunities Moderator: YBhg. Prof. Dr. Mohd. Nizam Mohd. Said										
10:00 – 10:40	Keynote Speaker II: YBhg. Prof. Dr. Agamuthu Pariatamby <i>Jeffry Cheah Institute on Southeast Asia, Malaysia</i> Title: Waste Management and Climate Change in Asia: Will it Mitigate or Aggravate? Moderator: Assoc. Prof. Dr. Marlia Mohd Hanafiah										
10:40 – 11:20	Keynote Speaker III: Distinguished Professor Dr. Biswajeet Pradhan <i>University of Technology Sydney, Australia</i> Title: Geospatial Intelligence in Climate-Induced Hazard Modelling Moderator: Assoc. Prof. Sr. Dr. Khairul Nizam Abdul Maulud										
11:20 – 11:30	Morning Break / Breakout Room										
11:30 – 12:30 <i>Session I (Parallel Sessions)</i>	Breakout Room A Weather and Climate (ACP-1) Chair: Dr. Maggie Ooi Chel Gee & Assoc. Prof. Dr. Liew Ju Neng <table><tr><td></td><td>Time Slot</td><td>Paper ID</td><td>EDAS ID</td><td>Title</td></tr><tr><td>1</td><td>11:30 - 11:45</td><td>ACP001</td><td>1570714529</td><td>Future Scenarios of Extreme Weather in CORDEX-SEA Multi-models Simulations Presenter: Assoc. Prof. Dr. Liew Juneng Video Recording</td></tr></table>		Time Slot	Paper ID	EDAS ID	Title	1	11:30 - 11:45	ACP001	1570714529	Future Scenarios of Extreme Weather in CORDEX-SEA Multi-models Simulations Presenter: Assoc. Prof. Dr. Liew Juneng Video Recording
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1	11:30 - 11:45	ACP001	1570714529	Future Scenarios of Extreme Weather in CORDEX-SEA Multi-models Simulations Presenter: Assoc. Prof. Dr. Liew Juneng Video Recording							

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2	11:45 - 12:00	ACP002	1570714432	Variations of Precipitable Water Vapor from 2012 to 2019 over the Philippines using Radiosondes Presenter: Yavin S. Rivera Video Recording
3	12:00 - 12:15	ACP003	1570719278	Quantifying the Joint Distribution of Drought Indicators in Borneo Fire-Prone Area Presenter: Mohamad Khoirun Najib Video Recording

Breakout Room B

Water Environment and Technology (LWFF-1a)

Chair: Assoc. Prof. Sr. Dr Khairul Nizam Abdul Maulud & Ts. Dr. Wan Shafrina Wan Mohd Jaafar

	Time Slot	Paper ID	EDAS ID	Title
1	11:30 - 11:45	LWFF001	1570719229	The effect of Climate Change on Flood Hazards in Kelantan River Basin Malaysia Presenter: Tze Huey Tam Live Presentation
2	11:45 - 12:00	LWFF002	1570712662	Water treatment process using conventional and advanced methods: A comparative study of Malaysia and selected countries Presenter: Nihayatul Hanifah Pakharuddin Video Recording
3	12:00 - 12:15	LWFF003	1570706260	Effect of Freeze-dried and Oven-dried Bioflocs as Dietary Supplements on Water Quality, Growth Performance, and Body Composition of Red Tilapia (Hybrid) Presenter: Tarq Alwi Binalshikh-Abubkr Video Recording

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4	12:15 - 12:30	LWFF004	1570714652	Estimation of Surface Elevation Changes at Bare Earth Riverbank using Differential DEM Technique of UAV Imagery Data Presenter: Norhafizi Mohamad Video Recording
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Breakout Room C

Education (HSEE-1)

Chair: Assoc. Prof. Dr. Rawshan Ara Begum & Dr. Asif Raihan

	Time Slot	Paper ID	EDAS ID	Title
1	11:30 - 11:45	HSEE001	1570719236	Sustainability in higher education: interdisciplinary approach Presenter: Bindiya Naik Video Recording
2	11:45 - 12:00	HSEE002	1570719281	Factors Affecting Job Performance of Non Teaching Staff in Higher Education Institutes in Maharashtra Presenter: Trishna Bokil & Dr Vijay Kulkarni Video Recording
3	12:00 - 12:15	HSEE003	1570719658	Use of IoT for Environmental Awareness in English Language Teaching at Higher Education Level Presenter: S. Tahara Khanum Live Presentation
4	12:15 - 12:30	HSEE004	1570718729	Academic Libraries and Services during the post covid scenario: A Case Study of Adoption of the New Techniques for Sustainability by a Management Institutional Library, India Presenter: Dr Meenal Kedar Oak Live Presentation

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12:30- 13:30	Lunch Break			
13:30 – 15:00 <i>Session II</i> <i>(Parallel Sessions)</i>	Breakout Room A Air Quality (ACP-2) Chair: Assoc. Prof. Dr. Liew Ju Neng & Dr. Maggie Ooi Chel Gee			
	Time Slot	Paper Code	EDAS ID	Title
1	13:30 - 13:45	ACP004	1570713873	MODIS-Derived Fire Spatial and Temporal Distribution During Haze Season in Southeast Asia Using Empirical Orthogonal Function Presenter: Aulia Nisa'ul Khoir Video Recording
2	13:45 - 14:00	ACP005	1570719173	Spatio-Temporal of Surface Ozone (O ₃) Variations at Urban and Suburban Sites in Sarawak Region of Malaysia Presenter: Hartini Mahidin Video Recording
3	14:00 - 14:15	ACP006	1570719186	One-year monitoring of aromatic volatile organic compounds (VOCs) in cities of Malaysia Presenter: Nor Syamimi Sufiera Limi Hawari Video Recording
4	14:15 - 14:30	ACP007	1570727532	Evaluation of regional simulation of surface ozone over Southeast Asia using ground-based observation at two existing Global Atmospheric Watch stations Presenter: Dr. Didin Agustian Permadi Live Presentation
5	14:30 - 14:45	ACP008	1570714436	Impact of Biomass-Burning Haze on In-situ Inhibition and Delayed Precipitation in Malaysia -> Impact of Biomass-Burning Haze on Regional Inhibition and Delayed Precipitation in Southeast Asia: Case Study

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				Presenter: Maggie Ooi Chel Gee Video Recording
Breakout Room B Water Environment and Technology (LWFF-1b) Chair: Assoc. Prof. Sr. Dr. Khairul Nizam Abdul Maulud & Ts. Dr. Wan Shafrina Wan Mohd Jaafar				
	Time Slot	Paper ID	EDAS ID	Title
5	13:30 - 13:45	LWFF005	1570717009	A case study on water price calculation of key projects at Fenglinwan irrigation areas in JiangXi Province, China Presenter: Siska Melinda Video Recording
6	13:45 - 14:00	LWFF006	1570712596	Numerical simulation of hydraulic optimization for regulating tank in pumping station Presenter: Adelia Agustina Video Recording
7	14:00 - 14:15	LWFF007	1570719685	River-flood forecasting methods: the context of the Kelantan river in Malaysia Presenter: Mohammed Abdul Majid Video Recording
8	14:15 - 14:30	LWFF008	1570714054	Numerical study on percolation and dam slope's stability of impermeable wall composed by clay and concrete for earth-rock dam Presenter: Kai Yu Video Recording
9	14:30 - 14:45	LWFF009	1570713173	Evaluation of Urban Water Security Based on DPSIR Model Presenter: Xueting Tao Video Recording

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10	14:45 - 15:00	LWFF010	1570711878	Future impacts of climate change on sediment influx rate in hydropower reservoir using SWAT Presenter: Azwin Zailti Abdul Razad Live Presentation
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Breakout Room C

Socio-economic (HSEE-2)

Chair: Assoc. Prof. Dr. Rawshan Ara Begum & Dr. Asif Raihan

	Time Slot	Paper ID	EDAS ID	Title
1	13:30 - 13:45	HSEE005	1570714468	A Study on Carbon Cap and Trade Effect to Cost of Electricity in Accordance to The Merit Order of Power Plants Presenter: Aditya Sukmana Putra Video Recording
2	13:45 - 14:00	HSEE006	1570720978	A meta-analysis of economic value of forest carbon stock Presenter: Dr. Asif Raihan Video Recording
3	14:00 - 14:15	HSEE007	1570719271	Temperature and non-external mortality in Klang Valley. A time series analysis Ahmad Norazhar Mohd Yatim Live Presentation
4	14:15 - 14:30	HSEE008	1570727858	Analysis on Malaysia Electricity Demand and Generation by 2040 Presenter: Azreen Harina Binti Azman Video Recording
5	14:30 - 14:45	HSEE009	1570705738	Spatiotemporal assessment of effects of leachate from landfills on groundwater in Kano metropolis Nigeria Presenter: Hadiza Ado Suleiman Video Recording

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	6	14:45 - 15:00	HSEE010	1570710800	Solutions of contemporary problems of environmental safety as a component of national security Prof. Liliya Mykolayivna Popova
15:00 – 15:10	Break				
15:10 – 16:40 <i>Session III (Parallel Sessions)</i>	Breakout Room A Advanced Technology (ATRE-1) Chair: Assoc. Prof. Marlia Mohd Hanafiah & Dr. Khairiatul Mardiana Jansar				
		Time Slot	Paper ID	EDAS ID	Title
	1	15:10 - 15:25	ATRE001	1570708091	Polyurethane modified screen - printed electrode for the electrochemical detection of histamine in fish Presenter: Muhammad Abdurrahman Munir Live presentation
	2	15:25 - 15:40	ATRE002	1570708244	Sulfate (SO ₄ ²⁻) Removal by Electrocoagulation process under Combined Electrical Connection of Electrodes Presenter: Abbas Abdulameer Azeez Video Recording
	3	15:40 - 15:55	ATRE003	1570710243	Microbial fuel cells constructed from the integration of anaerobic and aerobic sanitary landfill site systems Presenter: Noraishah Abdul Harris Video Recording
	4	15:55 - 16:10	ATRE004	1570720108	Hydrogen production via methane dry reforming proses over CoAl and CoMgAl- hydrotalcite derived catalysts Presenter: Dr. Zoulikha Abdelsadek Video Recording

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5	16:10 - 16:25	ATRE005	1570714647	Effect of Different Heating Rate on Properties of Fired Brick Produced from Industrial Waste and Natural Clay Presenter: Nur Jannah Abdul Hamid
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Breakout Room B

Forests and Land Use (LWFF-2)

Chair: Ts. Dr. Wan Shafrina Wan Mohd Jaafar & Assoc. Prof. Sr. Dr. Khairul Nizam Abdul Maulud

	Time Slot	Paper ID	EDAS ID	Title
1	15:10 - 15:25	LWFF016	1570710602	Performance of Fire Hotspot Detection System with Sensor Based on Angle Width and Voltage Difference Monitoring for Forest Security Presenter: Noor Suryaningsih Video Recording
2	15:25 - 15:40	LWFF017	1570712168	Is El Nino Southern Oscillation (ENSO) the main driver of forest fire in Kalimantan? Presenter: Ida Bagus Mandhara Brasika Video Recording
3	15:40 - 15:55	LWFF018	1570713234	An object-based approach to detect on tree stump in a selective logging area using Unmanned Aerial Vehicle (UAV) Imagery Presenter: Aisyah Marliza Muhmad Kamarulzaman Video Recording
4	15:55 - 16:10	LWFF019	1570713257	Analyzing canopy height variations in secondary tropical forests of Malaysia using NASA GEDI Presenter: Esmaeel Adrah & Shaurya Bajaj Video Recording
5	16:10 - 16:25	LWFF020	1570711365	Study of The Effect Of El Niño Southern Oscillation (ENSO) on Urban Heat Island Formation: Case Study Kuching City, Sarawak Presenter: Ricky Anak Kemarau

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				Video Recording
Breakout Room C Oceanography (CMME-1) Chair: Dr. Wee Hin Boo & Dr. Maggie Ooi Chel Gee				
	Time Slot	Paper ID	EDAS ID	Title
1	15:10 - 15:25	CMME001	1570713289	Deriving Offshore Tidal Datum Using Satellite Altimetry Around Malaysian Seas Presenter: Mohammad Hanif Hamden Video Recording
2	15:25 - 15:40	CMME002	1570713503	The Implementation and Advancement of a Regional Geodetic Vertical Datum Presentation: Nornajihah Mohammad Yazid Video Recording
3	15:40 - 15:55	CMME003	1570714517	Evaluation of Coastal Model Performance using Statistical Analysis at The Kelantan Coast, Malaysia Presenter: Nurul A'idah Abd Rahim Video Recording
4	15:55 - 16:10	CMME004	1570722230	Wave Runup and Overtopping On Smooth-Slope NEXC Block Presenter: Yannie Anak Benson Live Presentation
16:40	The End of Day 1			

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DAY 2 (2 JULY 2021)				
Time (MYT)	Programme			
08:00 – 09:00	Online Registration			
09:00 – 10:30 <i>Session IV (Parallel Sessions)</i>	Breakout Room A Environmental Management (ATRE-2) Chair: Assoc. Prof. Marlia Mohd Hanafiah & Dr. Khairiatul Mardiana Jansar			
	Time Slot	Paper ID	EDAS ID	Title
1	09:00 - 09:15	ATRE006	1570711260	Emissions of carbon dioxide and methane from dairy cattle manure Presenter: Khalisah Khairina binti Razman Video recording
2	09:15 - 09:30	ATRE007	1570713351	Waste-to-wealth in ASEAN countries: A case on e-waste generation from mobile phone Presenter: Haikal Ismail Live Presentation
3	09:30 - 09:45	ATRE008	1570713438	Water Quality of Rooftop Rainwater Harvesting System (MyRAWAS) Presenter: Umairah Nizam Live Presentation
4	09:45 - 10:00	ATRE009	1570714620	Comparative response of Malaysian weedy rice (<i>Oryza sativa</i>) initial growth towards the allelopathic potential of <i>Leucaena leucocephala</i> (Lam.) de Wit and <i>Dicranopteris linearis</i> (Burm. f.) Underw Presenter: Muhamad Safwan Ishak Video Recording

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5	10:00 - 10:15	ATRE010	1570720691	Effect of Mulch on Glyphosate Mobility in Soil Column Presenter: Dr. Khairiatul Mardiana Jansar Live Presentation
6	10:15 - 10:30	ATRE011	1570715517	Development and mechanical properties of low fired bricks from drinking water sludge and fly ash Presenter: Aifahana Syamimie Mohd Suhaimi Video Recording
Breakout Room B Geology and Astronomy (ACP-3) Chair: Dr. Maggie Ooi Chel Gee & Assoc. Prof. Dr. Liew Ju Neng				
	Time Slot	Paper Code	EDAS ID	Title
1	09:00 - 09:15	ACP009	1570713515	Subsurface Geological Model By Using Free Air Anomaly In Malay Basin Presenter: Farouq Jamil / Mohd Akhmal bin Muhamad Sidek Video Recording
2	09:15 - 09:30	ACP010	1570717183	Review of Potential Astronomical Optical Observatory Sites in Luzon Presenter: Ruby-Ann B. Dela Cruz Video Recording
3	09:30 - 09:45	ACP011	1570714551	Azimuth and Elevation Factors Correction for Single Station Lightning Electromagnetic Field Sensor Presenter: Sulaiman Ali Mohammad Video Recording
4	09:45 - 10:00	ACP012	1570714627	Earth's geomagnetic response of solar wind changes associated with solar events at low latitude region in TRE MAGDAS Station Presenter: Associate Prof Ts Dr. Roslan Umar

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				Video Recording
5	10:00 - 10:15	ACP013	1570714648	A Statistical Analysis of the Relationship Between Pc4 And Pc5 ULF Waves, Solar Winds and Geomagnetic Storms for Predicting Earthquake Precursor Signatures in Low Latitude Regions Presenter: Sharifah Nurul Aisyah Syed Zafar Video Recording
6	10:15 - 10:30	ACP014	1570717120	Statistical significance of geomagnetic diurnal variation anomalies prior to worldwide earthquakes Presenter: Muhammad Khairul Adib Muhammad Yusof Video Recording
Breakout Room C Environmental Sustainability (HSEE-3) Chair: Dr. Asif Raihan & Assoc. Prof. Dr. Rawshan Ara Begum				
	Time Slot	Paper ID	EDAS ID	Title
1	09:00 - 09:15	HSEE011	1570705498	Life Cycle Design and Efficiency Strategy for Sustainable Membrane Technology Presenter: Khalisah Khairina Razman Live Presentation
2	09:15 - 09:30	HSEE012	1570714613	Life Cycle Assessment of Crushed Glass Abrasive Manufacturing of Recycled Glass Presenter: Dr. Muhammad Izzuddin Syakir Ishak Live Presentation
3	09:30 - 09:45	HSEE013	1570733478	Population Trends of Passage and Wintering Barn Swallow (<i>Hirundo rustica</i>) in Peninsular Malaysia Presenter: Nor Adibah Ismail

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	<table><tr><td></td><td></td><td></td><td></td><td>Video Recording</td></tr><tr><td>4</td><td>09:45 - 10:00</td><td>HSEE014</td><td>1570713255</td><td>The Adverse Effect of Long Term Intake of Monosodium Glutamate on Kidney Performance Presenter: Dr. Ali A. Tala'a Video Recording</td></tr></table>									Video Recording	4	09:45 - 10:00	HSEE014	1570713255	The Adverse Effect of Long Term Intake of Monosodium Glutamate on Kidney Performance Presenter: Dr. Ali A. Tala'a Video Recording
				Video Recording											
4	09:45 - 10:00	HSEE014	1570713255	The Adverse Effect of Long Term Intake of Monosodium Glutamate on Kidney Performance Presenter: Dr. Ali A. Tala'a Video Recording											
10:30 – 12:00 Session V (Parallel Sessions)	Breakout Room A Mathematical Modelling (ATRE-3) Chair: Dr. Khairiatul Mardiana Jansar & Assoc. Prof. Marlia Mohd Hanafiah														
		Time Slot	Paper ID	EDAS ID	Title										
	1	10:30 - 10:45	ATRE012	1570714556	Parameter Estimation And Hypothesis Testing Of Geographically And Temporally Weighted Bivariate Generalized Poisson Regression Presenter: Setyorini Indah Purwanti Video Recording										
	2	10:45 - 11:00	ATRE013	1570714598	Parameter Estimation and Hypothesis Testing of Geographically and Temporally Weighted Bivariate Gamma Regression Model Presenter: Desy Wasani Video Recording										
	3	11:00 - 11:15	ATRE014	1570714601	Parameter Estimation and Hypothesis Testing of Geographically and Temporally Weighted Bivariate Poisson Inverse Gaussian Regression Model Presenter: Meylita Sari Video Recording										
	4	11:15 - 11:30	ATRE015	1570714428	Mixed Estimator Of Spline Truncated, Fourier Series, And Kernel In Biresponse Semiparametric Regression Model Presenter: Hartina Husain Video Recording										

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5	11:30 - 11:45	ATRE016	1570713998	Antibacterial Activity of Aquatic Extract of Myrtus communis Leaves Against Periodontitis Isolated Bacteria Presenter: Dr. Hamzah Abdulrahman Salman Video Recording
6	11:45 - 12:00	ATRE017	1570719175	The Use of Entropy Based Fuzzy Membership on Weighted Logistic Regression for Imbalanced Dataset Presenter: Ajiwasesa Harumeka Video Recording

Breakout Room B

Water Environment and Technology (LWFF-1c)

Chair: Assoc. Prof. Sr. Dr. Khairul Nizam Abdul Maulud & Ts. Dr. Wan Shafrina Wan Mohd Jaafar

	Time Slot	Paper ID	EDAS ID	Title
11	10:30 - 10:45	LWFF011	1570714605	Characterization of aquifer system using electrical resistivity tomography (ERT) and induced polarisation (IP) techniques Presenter: Naseem Akhtar Live Presentation
12	10:45 - 11:00	LWFF012	1570716985	Effectiveness of a Groundsill Structure in Reducing Scouring Problem at Cimadur River, Banten Province Presenter: Destiana Safitri Video Recording
13	11:00 - 11:15	LWFF013	1570715307	Study of the effect of climate variation on irrigated and rainfed rice productivity based on aquacrop crop modelling simulation (Case Study of Java Island) Presenter: Kharisma Aprilina
14	11:15 - 11:30	LWFF014	1570716840	Numerical simulation of hydraulic performances with free overfall flow

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				Presenter: Xiao-hui Ye Video Recording
15	11:30 - 11:45	LWFF015	1570716942	Evaluation of the Groundsill's Stability at downstream of "Citorek" Bridge in Cimadur River, Banten Province Presenter: Hao Chen Video Recording
Breakout Room C Coastal Environment (CMME-2) Chair: Dr. Wee Hin Boo & Dr. Maggie Ooi Chel Gee				
	Time Slot	Paper ID	EDAS ID	Title
1	10:30 - 10:45	CMME005	1570711971	Calcareous Nannofloral in Western Lobe Offshore, Niger delta: Implication on Eutrophication and Climate Change Presenter: Oretade Bamidele Samuel Video Recording
2	10:45 - 11:00	CMME006	1570710284	The Influence of Temperature and Nutrient Concentrations on Growth Rate, Biomass, Chlorophyll-a, and Biochemical Compositions of <i>Tetraselmis suecica</i> (Chlorophyta) Presenter: Ahmed Awadh Sas Video Recording
3	11:00 - 11:15	CMME007	1570715033	Submerging Paddy Cultivation Area due to Coastal Flooding in Kuala Kedah, Malaysia Presenter: Samera Samsuddin Sah Video Recording
12:00	The End of Conference Programme			

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