

2021 7th International Conference on Space Science and Communication (IconSpace2021)
23 – 24 November 2021, Malaysia.

Technical Programme

Date	Time (MYT = UTC+8)	Event	Virtual Venue
23 November 2021 Tuesday	8.30 am – 9.00 am	Registration	
	9.00 am – 9.30 am	Opening and Welcoming Remarks Prof Dato' Ir. Dr. Abdul Wahab Mohammad <i>Deputy Vice Chancellor for Research and Innovation Universiti Kebangsaan Malaysia</i>	Main Room
	9.30 am – 10.15 am	Keynote 1 : The Implementation of National Space Policy 2030 Agenda Mr. Azlikamil Napiah <i>Director General, Malaysian Space Agency (MYSA)</i> Chair : Ts. Dr. Norsuzlin Mohd Sahar (UKM)	
	10.15 am – 11.00 am	Keynote 2 : 5G Evolution and Beyond Prof. Dr. Tharek Abd Rahman <i>Academy Science Malaysia</i> Chair : Prof. Ir. Dr. Mandeep Singh Jit Singh (UKM)	
	11.00 am – 11.15 am	Group Photo and Tea Break	
	11.15 am – 12.45 pm	Session 1-1 : Atmospheric and Magnetospheric Sciences Chair : Dr. Teh Wai Leong (UKM)	Room 1
		Session 1-2 : Satellite and Communication Technology Chair : Ts. Dr. Norsuzlin Mohd Sahar (UKM)	Room 2
		Session 1-3 : Geosciences and Remote Sensing Chair : Ts. Dr. Wan Shafrina Wan Mohd Jaafar (UKM)	Room 3
	12.45 pm – 2.00 pm	Lunch	
	2.00 pm – 3.45 pm	Session 2-1 : Atmospheric and Magnetospheric Sciences Chair : Dr. Ernest P Macalalad (Mapúa University, Philippines) & Assoc. Prof. Dr. Nur Adlyka Ainul Annuar (UKM)	Room 1
		Session 2-2 : Satellite and Communication Technology Chair : Dr. Touhidul Alam (UKM)	Room 2
		Session 2-3 : Others Chair : Assoc. Prof. Dr. Mohd Fais Mansor (UKM)	Room 3
	3.45 pm – 4.00 pm	Tea Break	
	4.00 pm – 4.30 pm	Invited Speaker 1 : In Search of Advanced Materials in Asteroids: Is the Era of Extraterrestrial Mining Coming? Dr. Chaitanya Giri <i>Space & Ocean Studies Programme, Gateway House: Indian Council for Global Relations (India)</i> Chair : Dr. Kuhan Chandru (UKM)	Main Room
4.30 pm – 5.15 pm	Keynote 3 : Satellites in a 5G to 6G Communications Ecosystem Prof. Dr. Barry Evans <i>Institute for Communication Systems/5-6GiC, University of Surrey (United Kingdom)</i> Chair : Assoc. Prof. Dr. Mohd Fais Mansor (UKM)		
End of Day 1			

Date	Time (MYT = UTC+8)	Event	Virtual Venue
24 November 2021 Wednesday	9.00 am – 9.45 am	Keynote 4 : ILOA 5 Moon Missions and Astronomy from the Moon Mr. Steve Durst <i>Director, International Lunar Observatory Association (ILOA), Hawaii (United States)</i> Chair : Ts. Dr. Wan Shafrina Wan Mohd Jaafar	Main Room
	9.45 am – 10.15 am	Invited Speaker 2 : The Greenland Telescope: Observing Black Holes from the Arctic Dr. Koay Jun Yi <i>Academia Sinica Institute of Astronomy and Astrophysics (ASIAA) (Taiwan)</i> Chair : Ts. Dr. Wan Shafrina Wan Mohd Jaafar	
	10.15 am – 10.45 am	Invited Speaker 3 : Multi-layer Fuel Load Mapping in Tropical Savanna from Synergism of GEDI and Landsat Data Dr. Carlos Alberto Silva <i>School of Forest, Fisheries, and Geomatics Sciences (FFGS) at the University of Florida (UF), (United States)</i> Chair : Ts. Dr. Wan Shafrina Wan Mohd Jaafar	
	10.45 am – 11.00 am	Tea Break	
	11.00 am – 12.30 pm	Session 3-1 : Atmospheric and Magnetospheric Sciences Chair : Dr. Nurul Shazana Abdul Hamid (UKM)	Room 1
		Session 3-2 : Satellite and Communication Technology Chair : Dr. Radial Anwar (Telkom University, Indonesia) & Dr. Touhidul Alam (UKM)	Room 2
		Session 3-3 : Others Chair : Dr. Hafiz Baharuddin (UKM)	Room 3
	12.30 pm – 2.00 pm	Lunch	
	2.00 pm – 2.45 pm	Keynote 5 : Integrated Study of Magnetosphere-Ionosphere-Atmosphere System to Explore the Coupling Process in the Space-Earth Transition Region Prof. Dr. Akimasa Yoshikawa <i>International Center for Space Weather Science and Education, Department of Earth and Planetary Sciences, Kyushu University (Japan)</i> Chair : Dr. Nurul Shazana Abdul Hamid	Main Room
	2.45 pm – 3.15 pm	Invited Speaker 4 : Capturing Changes in Forest Structure and Function using Geospatial Technologies Prof. Dr. Mikko Vastaranta <i>School of Forest Sciences, University of Eastern Finland (Finland)</i> Chair : Dr. Nurul Shazana Abdul Hamid	
	3.15 pm – 3.45 pm	Invited Speaker 5 : mm-wave and THz-wave Beam-scanning Antenna Technologies for Automotive Radars and beyond 5G Mobile Communication Systems Prof. Dr. Kunio Sakakibara <i>Nagoya Institute of Technology (Japan)</i> Chair : Prof. Dr. Mohammad Tariqul Islam	
	3.45 pm – 4.00 pm	Tea Break	
	4.00 pm – 5.45 pm	Session 4-1 : Atmospheric and Magnetospheric Sciences, Satellite and Communication Technology & Interdisciplinary Space Sciences Chair : Pror. Dr. Omotosho Temidayo (Covenant University, Nigeria) and Dr Teh Wai Leong (UKM)	Room 1
		Session 4-2 : Astronomy and Astrophysics & Interdisciplinary Space Sciences Chair : Assoc. Prof. Dr. Nur Adlyka Ainul Annuar (UKM)	Room 2
End of Conference			