



From
the People of Japan



AGENDA

CARIBBEAN DRONE SYMPOSIUM

FEBRUARY 10 -12, 2025

Venue: 3Ws PAVILION

The University of the West Indies

Cave Hill Campus,

Barbados

DAY 1: MONDAY, FEBRUARY 10, 2025

0800 – 0900	Registration
0900 – 0910	Welcome remarks (Professor Winston Moore, Deputy Principal, UWI Cave Hill)
0910 – 0920	Purpose of the Symposium (Professor David Yawson, UWI-CERMES)
0920 – 0930	Remarks by UNDP Resident Representative (Ms. Limya Eltayeb)
0930 – 0940	Remarks by the Ambassador, Embassy of Japan in Barbados (His Excellency Mr. Yusuke Miyasaka)
0940 – 1000	Changing Paradigms for Wider Civilian Use of UAS for Caribbean Resilience (Keynote by Mr. David Lewis, Barbados)
1000 – 1030	Drone Remote Sensing: Challenges, Opportunities, and Transformative Applications in Ecosystem Science (Academic perspective by Professor Yuhong He, Department of Geography, Geomatics and Environment, University of Toronto, Mississauga, Canada)
1030 – 1045	BREAK
SESSION	<i>Creating an enabling environment for civilian UAS (drone) operations.</i>
1045 – 1105	Evolution and overview of UAS regulations in Japan (Mr. Akihiro Matsumura, Japan Civil Aviation Bureau)
1105 – 1115	Creating an enabling environment for civilian drone operations (Mr. David Lewis, Barbados)
1115 – 1245	Group discussion and feedback on “creating an enabling environment” Facilitators: Ms. Maria Pena, Dr. Julian Walcott, Ms. Neetha Selliah
1245 – 1415	LUNCH
1415 – 1445	Overview for drone demonstration (flight) activities
1445 – 1500	BREAK
1500 – 1700	Drone flight and data capture demonstrations (outdoor activity)

DAY 2: TUESDAY, FEBRUARY 11, 2025

0800 – 0900	Registration
SESSION	<i>Drones, Sargassum and Environmental Resilience</i>
0900 – 0930	Keynote: <i>The Sargassum Phenomenon in Caribbean Environmental Resilience</i> (Dr. Kristie Alleyne, UWI-CERMES)
0930 – 0945	National sargassum responses and experiences with drones (Charlie Prospere, Department of Fisheries St. Lucia)
0945 – 1000	National sargassum responses and experiences with drones (Dr. Rihanna Juman, Institute of Marine Affairs, Trinidad and Tobago)
1000 – 1015	National sargassum responses and experiences with drones (Maritza Queeley, Department of Marine Resources, St. Kitts and Nevis)
1015 – 1030	National sargassum responses and experiences with drones (Tanbaje Sealy, Ministry of Environment and National Beautification, Green & Blue Economy, Barbados)
1030 – 1045	National sargassum responses and experiences with drones (St. Vincent and The Grenadines)
1045 – 1100	BREAK
Panel Discussion: <i>Sargassum, drones and environmental resilience</i>	
	Preliminary comments by panelists:
1100 – 1110	Sargassum Forecasting in the Caribbean (Dr. Karl Payne; UWI-CERMES)
1110 – 1120	Drones for Sargassum Management (Mr. Joseph Weekes, UWI-CERMES)
1120 – 1130	Prospects for Drones in Monitoring Sargassum-related Coastal Erosion (Dr. Leo Brewster, Coastal Zone Management Unit, Barbados)
1130 – 1140	Overview of UNDP Sargassum Responses in the Caribbean (Ms. Shawn Carter, UNDP)
1140 – 1300	Panel discussion
1300 – 1430	LUNCH
1430 – 1445	Overview of drone flight demonstrations
1445 – 1700	Drone flight demonstrations (outdoor activity)

DAY 3: WEDNESDAY, FEBRUARY 12, 2025

0800 – 0900	Registration
0900 – 0930	Keynote: Dr. Katalin Blix (NORCE Norwegian Research Institute, Norway)
0930 – 1000	Drones in Meteorological Services and Climate Resilience (Barbados Met. Service)
1000 – 1015	Landslide and Hydrological Assessment – Backroad Street, Anguilla (Shawn Boyce, Courtney Forde, and Grahame Niles, Caribbean Institute for Meteorology and Hydrology (CIMH), Husbands, St. James, Barbados)
1015 – 1040	BREAK
1040 – 1055	Our Vulnerable Coastlines: Qualitative, Evidence-Based Monitoring of High Water Marks Using UAS—A Land Surveyor’s Perspective (Andre Clarke and Michelle St Clair, Clarke Surveys Inc and Windward Geospatial, Barbados).
1055 – 1110	An Investigation into Deep Learning Models for the Detection of <i>Acropora palmata</i> Colonies in UAS Imagery (Steve Schill, The Nature Conservancy, Caribbean Division; George Raber, The University of Southern Mississippi, School of Biological, Environmental and Earth Sciences and Hydrographic Science Research Center, USA)
1110 – 1125	EcoShores Expeditions: Sustainable Community Conservation Education through Drone Enterprise (Britney McDonald and Duran Joel Browne, Ecoshores Sustainable Futures Network and Ecoshores Expeditions, St. George, Antigua and Barbuda)
1125 – 1140	Exploration of Unmanned Aerial Systems (UAS) Technology to Enhance Cadastral Mapping in Jamaica (Milton Saunders and Chaplin Williams, Surveys and Mapping Division, Jamaica).
1140 – 1155	Changing Perspectives: Leveraging Drone Imagery to Increase Stakeholder Engagement and Support Towards Enhanced Community-driven Environmental Management Projects (Nikolai Allamani, Coastal Dynamics Ltd., Trinidad)
1155 – 1210	Use of Drones as Entrepreneurial Tools (Fabian Belgrave, Barbados)
1210 – 1340	LUNCH
1340 – 1400	Drone Technology in the Barbados Police Service (Wayne Archer, Barbados Police Force)
1400 – 1530	Introduction and discussions on the Caribbean Drone Hub (Professor David Yawson)
1530 – 1550	BREAK
1550 – 1620	WRAP UP AND CLOSING