



Tuesday, 24 September

7:30am **Registration and Refreshment**

9am **ICS2024 Official Inauguration**
Symposium Hall (Al Dafna 1)

9am **Welcome Note**
» [Dr. Salem Al-Naemi](#)

9:10am **QRDI Note**
» [Dr. Abdulrahman H. Abu-Nada](#)

9:15am **ICS President Note**
» [Dr. Chris Makowski](#)

9:20am **ICS2024 Chairman Note**
» [Prof. Michael Phillips](#)

9:25am **Film**
Symposium Hall (Al Dafna 1)

Film on Qatar Coastal and Marine Environment

9:30am **Science-to-Policy Dialogue**
Symposium Hall (Al Dafna 1)
Chaired by: Dr. Michael Phillips

Coastal Resilience under Global Change: Frameworks for Sustainable Development of Coastal Regions

10:15am **Coffee Break**

10:45am **Keynote Speaker**
Symposium Hall (Al Dafna 1)

Attribution of Alterations in Coastal Processes to Manifestations of Climate Change

» Prof. Dr. Tarmo Soomere

11:45am **Lunch / Prayer**
Conference Center Foyer

1pm **Keynote Speaker**
Symposium Hall (Al Dafna 1)

Conservation and Management Efforts of Marine Nature Resource by The Ministry of Environment and Climate Change Qatar

» Prof. John MK Wong

2pm **Breakout Session: Coastal Management, Policy, and Planning**
Symposium Hall (Al Dafna 1)
Chaired by: Prof. Helene Burningham

2pm **Other Effective Conservation Measures in the marine environment: the policy-makers' silver bullet for meeting global conservation ambitions?**
» [Prof. David Johnson](#), Dr. Christopher Barrio Frojan, Dr. Daniela Diz, Dr. Adelaide Ferreira, Prof. Pat Halpin

2:15pm **Risk assessment of microplastics in the Arabian Gulf: A meta-data analysis**
» Dr. Veerasingam Subramanian, Dr. M Ranjani, Ms. Ehsan Awadalla Mohamed Ali, Ms. Shada Ahmed, Ms. Riswana Kallamullathil, Ms. Mohamed Noof, [Ms. Raneem Omer Ahmed Mohamed](#), Mr. Mohamed Mahfouz, Prof. Fadhil N. Sadooni

2:30pm **Marine sand borrows in western Cyprus: distribution and potential prospects**
» [Prof. Thomas Hasiotis](#), Mr. Ivan Theofilos Petsimeris, Mr. Nikolaos Kimon Chtouris, Dr. Olympos Andreadis, Prof. Adonis Velegrakis, Dr. Christodoulos Mettas



Continued from **Tuesday, 24 September**

2:45pm **On the role of wood and seagrass rests in coastal flooding events in Mediterranean microtidal beaches.**
» [Dr. Daniele Trogu](#), Dr. Simone Simeone, Dr. Antonio Usai, Dr. Marco Porta, Prof. Sandro De Muro

2pm **Breakout Session: Coastal Biology and Ecology**
Salwa Hall 1
Chaired by: Mansour Al Qubeissi

2pm **From Phoenix to Sisyphus: Climate change impacts and intervention strategies for Arabian Gulf coral reefs**
» [Prof. John A Burt](#)

2:15pm **Metagenomic approach to assess the bacterial communities in the tarmats of Qatar coast, Arabian Gulf**
» [Mrs. Kaiprath Puthiyapurayil Haseeba](#), Prof. Jassim A Al-Khayat, Mr. Jabir Thajudeen, Mr. Shafeeq Hamza, Dr. Veerasingam Subramanian, Prof. Talaat Ahmed, Prof. Ponnumony Vethamony

2:30pm **Mangroves of Qatar coast, Arabian Gulf- loss and restoration and role in climate change: a review.**
» [Ms. Rana Al Absi](#), Prof. Jassim A Al-Khayat, Dr. Sankaran Rajendran, Dr. Valliyil Mohammed Aboobacker, Prof. Ponnumony Vethamony

2:45pm **The spatial network of the largest honeycomb worms' reef in the world revealed by an ultra high resolution drone lidar**
» [Dr. Antoine Collin](#), Ms. Dorothée James, Mrs. Emma Gairin, Mrs. Marine Aubert, Mr. Yannick Daniel, Prof. Eric Feunteun, Dr. Stanislas Dubois

2pm **Breakout Session: Coastal Evolution and Shoreline Change**
Salwa Hall 2
Chaired by: Prof. Ponnumony Vethamony

2pm **Morpho-dynamics of Malvan-Devbag beach, Maharashtra, West Coast of India**
» [Dr. Pramod Hanamgond](#)

2:15pm **Coastal evolution between the Atlantic and the Mediterranean Sea through the study of the Roman Baths of Las Bóvedas, Marbella, Spain.**
» Dr. Fatima Navas, [Dr. Gonzalo Malvarez](#), Dr. Rafael Hidalgo, Dr. Adalberto Ottati, Dr. Sara Diaz

2:30pm **Accumulative natural and human impacts alter cyclical dynamics of a South African shoreline**
» [Dr. Bronwyn Goble](#), Ms. Fiona MacKay

2:45pm **Climate change driven alongshore variations of directional forcing of sediment transport on the eastern Baltic Sea coast**
» [Dr. Maris Eelsalu](#), Prof. Tarmo Soomere, Mr. Mikolaj Zbigniew Jankowski

2pm **Breakout Session: Hydrodynamics and Modeling**
Salwa Hall 3
Chaired by: Dr. Nagi Abdussamie

2pm **Modelling Dredge Plumes for Environmental Impact Assessments**
» [Prof. Jon Williams](#), Mr. Darren Price, Dr. Raydo Atan, Mrs. Nerea Del Estal Dominguez, Mr. Adrian Wright

2:15pm **Integrated Modeling for the Determination of Typology and Boundaries of Coastal and Transitional**
» Mr. Eray Eser, [Prof. Lale Balas](#), Prof. Asu İnan, Dr. Pelin Fidanoglu Yildirim

2:30pm **NUMERICAL MODELING OF ARTIFICIAL NOURISHMENTS ON THE BEACH PROFILE: EFFECTS ON REDUCING DUNE OVERTOPPING**
» [Prof. Carlos Coelho](#), Ms. Ana Ferreira, Ms. Márcia Lima

2:45pm **Long wave energy in the nearshore**
» [Ms. Stephanie Contardo](#), Dr. Ryan Lowe, Dr. Jeff E. Hansen, Dr. Francois Dufois



Continued from **Tuesday, 24 September**

3pm

Poster Exhibition and Coffee

Poster Hall (Al Dafna 2)

Investigation of the socioeconomic implications of grey coastal infrastructure used for coastal protection in Ghana

» Mr. Blessing Charuka, [Dr. Donatus Bapentire Angnuureng](#)

A System Dynamics Model for Evaluating Circular Economy Strategies of Marine Debris Mitigation

» Ms. Min-Fang Tsai, Dr. Tony Leong-keat Phuah, Prof. Pierre-Alexandre Château, [Prof. Yang-Chi Chang](#)

Longshore sediment transport rate for different energy regime coast along the east coast of India

» [Dr. NOUJAS VARANGALIL](#), Dr. KANKARA R S, Mr. Satya Kiran Raju Alluri, Dr. RAMANA MURTHY M V

Progress made and challenges to overcome in the implementation of marine spatial planning in Algeria

» [Ms. Chahtou Selma](#), Prof. Guerfi Mokhtar, Prof. Khoudir MEZOUAR

Effects of sediment dumping on bivalve fishing grounds: temporary or permanent damage for local biodiversity and fisheries?

» [Dr. David Piló](#), Dr. Fábio Pereira, Dr. André Carvalho, Dr. Paulo Vasconcelos, Dr. Miguel Gaspar

USE OF LOW-COST TECHNOLOGIES FOR MONITORING USER DENSITY ON BEACHES: A CASE STUDY OF GUARITA BEACH, SOUTHERN BRAZIL

» [Dr. Miguel da Guia Albuquerque](#), Dr. Carlos Pereira da Silva, Dr. Davis Pereira de Paula, Dr. Jean Espinoza, Ms. Jade Moreira, Mr. Matheus Facanha, Mr. Melvin Moura Leisner, Mr. Lucas Chiaffitelli Gandra, Dr. Antonio Raylton Rodrigues Bendô

Early stages of a dune restoration in front a dyke in a microtidal urban beach affected by a chronical erosion

» [Prof. Nicolas ROBIN](#), Dr. Olivier Raynal, Dr. Eric Palvadeau, Dr. Camille René, Dr. Yann Balouin, Dr. Nico Valentini

Enhancing Seawall Resilience: A Probabilistic Analysis of Armor Stone Stability Against Wave-Induced Forces

» [Dr. Min-Kyu Jung](#), Dr. Baeg Lee, Prof. Hyun-Han Kwon

Advancing Coastal Zone Management: Integrative Approaches in Indian Coastal Regions

» [Mr. Guru Prasath](#), Dr. Sannasiraj S.A

Bioinvasion (*Tubastraea tagusensis*), a threat to essential ecosystem services in one of the Brazilian paradises, Morro de São Paulo, Cairú, Bahia.

» [Dr. José Rodrigues Souza Filho](#), Dr. Igor Cristino Silva Cruz, Dr. Sabrina Teixeira Martinez, Dr. Jailson Bittencourt Andrade

Anthropogenic Influences on Tidal Circulation in McKay Bay, Implications on Resiliency Building using Nature Based Solutions

» [Ms. Elizabeth Royer](#), Prof. Ping Wang

On the synergy of the UAV spatial modelling and citizen science for tidal coasts: The case of canopy-forming macroalgae and gastropod on the Emerald Coast, Brittany, France

» Ms. Agathe Bouet, Dr. Antoine Collin, [Ms. Dorothée James](#), Ms. Cam Ly Rintz, Ms. Pauline Dusseau, Mr. Manuel Lesacher, Prof. Eric Feunteun

SUN AND SEA TOURISM AT COVID-19 PANDEMIC: A STUDY ON BEACH USERS BEHAVIOR IN FORTALEZA AND FLORIANOPOLIS, BRAZIL

» [Ms. Angelita Silveira](#), Dr. Carlos Pereira da Silva, Dr. Miguel da Guia Albuquerque, Ms. Jade Moreira, Mr. Victor Pinheiro da Silva

Public's perception on knowledge, attitudes, and practice towards mangrove forest conservation: a case study in Penang, Malaysia.

» [Prof. Rozainah Mohamad Zakaria](#), Dr. Aimee Halim



Continued from **Tuesday, 24 September**

Benthic foraminifera are useful bioindicators of heavy metal and organic contamination in northern temperate coastal zones: a review.

» [Ms. Neha Joshi](#), Dr. Prakash Chandra Arya, Dr. Émilie Saulnier-Talbot

Coral reefs community structure in Pemba, Northern Mozambique: 2012 vs 2016

» [Prof. Isabel Marques Silva](#), Mrs. Maida Lobo, Mrs. Ajosia Muipela, Prof. Rui Rocha, Prof. Vitor Quintino

Hong Kong coral recruits do not gain advantage by being flexible in establishing symbiosis under simulated global climate change conditions

» Dr. Tsz Yan Ng, Dr. Pui Yi, Apple Chui, Dr. Ho Leung, Ryan Tsang, Dr. Chung Wing, Patrick Yeung, [Dr. Put Ir Ang](#)

Epiphytic foraminifera as indicators of urbanization in coastal tropical sandstone reefs

» [Prof. José Souto Rosa Filho](#), Ms. Josefa Nilmara Lopes Lacerda, Dr. David Holanda Oliveira, Mr. Davy Barbosa Bérغامo

Variation of essential macroelement's contents in two common charophyte species Chara aspera and Chara tomentosa inhabiting shallow brackish waters of the Baltic Sea

» [Dr. Tiina Paalme](#), Dr. Kaire Torn, Prof. Georg Martin

The structure and management of the invasive plants of Jeju coastal sand dune, Republic of Korea

» [Prof. Kee Dae Kim](#), Mr. Il Won Lee

Traditional ecological knowledge and its use of plants of Jeju coastal sand dunes, Republic of Korea

» [Prof. Kee Dae Kim](#), Mr. Il Won Lee

Structure of intertidal soft-bottom benthic macrofauna of a continental island on the Amazon coast

» Dr. Daiane Aviz, Ms. Roseanne Silva, [Prof. José Souto Rosa Filho](#)

Real-Time Sea Water Monitoring & Pollution Assessment Via IoT Rover

» Mr. Ali alseari, [Mr. Hussain Alsayed](#), Mr. Sultan Abdulla

Monitoring coastal vulnerability using physical and anthropic parameters: the case study of Lahou Kpanda and Grand Bassam, Cote d'Ivoire (Gulf of Guinea)

» [Dr. Anoumou René TANO](#), Dr. Nadi Paul DANGUI, Prof. Angora AMAN, Dr. François-Xavier Bella BOUO

Advancing Coastal Monitoring: Integrating Spatiotemporal analyses and Machine Algorithms in G-CAS

» Prof. Temitope D. Timothy Oyedotun, [Mr. Esan Hamer](#), Mr. Gordon A Nedd, Prof. Helene Burningham

NEARSHORE SEDIMENT EXCHANGE PROCESS AROUND CAPE COMORIN THE PENINSULAR TIP OF INDIA

» [Mr. Bragath R C](#), Dr. Sivakholundu K M, Dr. Chandramohan P

Coastal Risk assessment and management-related issues of two sand spits at the southern coast of Senegal

» [Dr. Kader BA](#)

Effect of coastal protection works on shoreline variability in Rufisque, Senegal

» [Dr. Abdoulaye NDOUR](#), Dr. Habib Ngom, Dr. Yves Blrame Diadhiou, Dr. Kader BA

Investigation of Longshore Drift Sediment Movement from the Mouth of the Tedori River to Chirihama Beach Using the IRSL Method, Japan

» [Mr. Gaku Mitsuzawa](#)

Drone Observational Study on Coastal Topographic Changes in a Macro Tidal Environment

» [Prof. TAERIM KIM](#)



Continued from **Tuesday, 24 September**

MEDIUM-TERM ANALYSIS OF COASTAL CLIFF RETREAT CHANGE AT PACHECO BEACH, NORTHEASTERN BRAZIL.

» [Mr. Matheus Facanha](#), Dr. Miguel da Guia Albuquerque, Mr. Melvin Moura Leisner, Dr. Davis Pereira de Paula, Dr. Jean Espinoza, Dr. Deivid Alves, Mr. Yan Vasconcelos, Ms. Leticia Porciúncula de Sá

Response of a tropical wave-dominated delta to a major flood event: the case of Doce River delta coastline (southeastern Brazil)

» [Ms. Silvia Palotti Polizel](#), Prof. Helene Burningham

Gulf of Ob coasts in the XXI century under changing environment

» Prof. Stanislav Ogorodov, Mrs. Natalia Shabanova, [Mr. Georgii Kazhukalo](#), Dr. Daria Bogatova, Dr. Alexander Ermolov, Dr. Anna Novikova, Dr. Olga Shilova

Beach-dune frontal limit variability between the years 2012 and 2022, at Cassino beach, southern Brazil

» Ms. Leticia Porciúncula de Sá, Dr. Ulisses Rocha de Oliveira, [Dr. Miguel Da Guia Albuquerque](#), Ms. Lauren Farias Cruz, Mr. Matheus Facanha

Planimetric and volumetric estimations of the permafrost coastal erosion: Lorino case study, Chukotka, NE Russia

» [Dr. Alexey Maslakov](#), Mr. Ivan Stekolshchikov, Dr. Mikhail Drugov, Dr. Alisa Baranskaya, Dr. Daria Bogatova

Hybrid downscaling of surf zone dynamics

» Dr. Emilio Echevarria, [Ms. Stephanie Contardo](#), Mx. Claire Trenham, Mr. Ben Leighton, Dr. Ron Hoeke

Preliminary Assessment of Potential Ocean Wave Energy Resources in the Coastal Areas of the Philippines

» [Ms. Rose May Galano](#), Dr. Mario De Leon

Ocean and wave climate variability in west Africa, and implications for alongshore sediment transport on the Senegal-Mauritania coast

» [Ms. Awa Bousso DRAME](#), Prof. Helene Burningham, Dr. Moussa SALL

Preliminary Numerical Investigation on Spatial Distribution of Triad Resonant Interaction for Steady Free-Surface Flow over Rippled Bottoms

» [Prof. Jun Fan](#), Prof. Aifeng Tao, Prof. Jinhai Zheng

Understanding Trinidad and Tobago's Oceanography using Hydrodynamic and Spectral Wave Models

» Ms. Medina Ishmael-Lalla, Mr. Nazeer Gopaul, [Ms. Anesha Deonarine](#), Ms. Salomi Seeram

WAVE TRANSFORMATION MODELING OF THE DEAD SEA

» [Prof. Prof. Dr. Ahmed S. M. Ahmed](#)

Exploring coastal dynamics in Morocco's Mediterranean region using (AUV) technology

» [Ms. Asma Damghi](#), Ms. Hasna BOUZZATI, Dr. Abdelmounaim El Mrini

A study on improvements for prediction of typhoon-induced storm-surge and wave in the southern coast of Korea

» [Dr. Jin-Hee Yuk](#)

FLUSHING MODEL FOR ARTIFICIAL ISLANDS IN THE PERSIAN GULF

» [Prof. Sawsan Eissa](#), Mr. Momen Gharib, Ms. Omnia Kabbany

Erosion and Accretion of Subaqueous Delta in the Minjiang River Estuary and Its Response To Human Activities Over the Past 40 Years

» [Prof. Aijun Wang](#), Mr. Haosheng Liang, Mr. Zhikun Lai, Mr. Xiang Ye, Dr. Shuqin Tao, Prof. Feng Cai

Hydrocarbon Geological Conditions in the Persian Gulf Basin and its Recent Trends in Exploration and Development Activities

» [Dr. Xuming Qian](#), Dr. YiSen Zhang

Evidence of active faulting and its Influences on the coastal terrace development along the central east coast of the Korean Peninsula

» [Prof. Kwang Hee Choi](#), Prof. Seonbok Yi



Continued from **Tuesday, 24 September**

Geomorphology and Plio-Pleistocene of the Cabrera Archipelago Maritime-Terrestrial National Park (Balearic Islands, western Mediterranean)

» [Dr. Guillem Xavier Pons](#), Dr. Laura del Valle, Dr. Jaume Servera-Nicolau

High-resolution sampling and rapid image-based assessment of dark opaque fraction in coastal sands

» Prof. Ilya Buynevich, Dr. Hannes Tönisson, Prof. Donatas Pupienis, Dr. Alar Rosentau, Dr. Albertas Bitinas, Dr. Darius Jarmalavičius, Dr. Oleksiy Davydov, Dr. Are Kont, Dr. Kadri Vilumaa, [Dr. Ülo Suursaar](#), Dr. Michael Savarese, Ms. Katre Luik, Dr. Sergey Kadurin, Dr. Logan Wiest, Dr. Sten Suuroja

Integrating Orbital and Proximal Thermal Infrared Remote Sensing Data for Mapping Ilmenite in the Coastal Plain of Rio Grande do Sul, Brazil

» Mr. Gabriel Hallal, Dr. Jean Marcel de Almeida Espinoza, Dr. Bijeesh Kozhikkodan Veettil, [Dr. Miguel da Guia Albuquerque](#), Dr. Carla Porcher, Mr. Mauricio Oliveira Righi da Silva, Dr. Silvia Beatriz Alves Rolim

Spatio-Temporal Analysis of Mangrove Ecosystems and Hydrological Regime in Coastal Guyana Using Remote Sensing

» [Mr. Esan Hamer](#), Prof. Temitope D. Timothy Oyedotun, Dr. Elroy Charles, Dr. Stephan Moonsammy

RADAR MAPPING OF COASTAL FLOODING ON THE NOUMOUZOU COAST (IVORY COAST)

» [Dr. Jacques André TIEMELE](#), Mr. Mory KONE, Dr. Brice MOBIO

Comparative Analysis of Wave Data Observed from the Wave Glider System and Satellites

» [Prof. TAERIM KIM](#), Mr. Jaehyuk Lee

Applications of UAV-SfM remote sensing in monitoring morphodynamic processes in sedimentary cliffs of Pacheco beach, Northeast Brazil.

» Mr. Melvin Moura Leisner, Dr. Davis Pereira de Paula, Dr. Miguel da Guia Albuquerque, [Mr. Matheus Facanha](#), Mr. Yan Vasconcelos

USE OF IMAGES FROM SENSORS SATELLITE PLATFORMS OF THE LANDSAT SERIES TO ASSESS THE DYNAMICS OF COVERAGE OF COASTAL DUNES

» Dr. Jean Espinoza, Dr. Deivid Alves, [Dr. Miguel da Guia Albuquerque](#), Ms. Tatiana Espinoza, Mr. Bento Gonzaga

MONITORING WATER QUALITY IN COASTAL LAGOONS USING ORBITAL SENSORS: CASE STUDY FOR THE NORTH COAST OF RIO GRANDE DO SUL, BRAZIL.

» Dr. Jean Espinoza, Dr. Deivid Alves, Prof. Dinalva Sales, Dr. Miguel da Guia Albuquerque, Ms. Tatiana Espinoza, Mr. Bento Gonzaga, Ms. Jade Moreira, [Mr. Matheus Facanha](#)

Wave climate analysis of Lake Balkhash using altimetry data

» [Ms. Meruyert Beisembekova](#), Mr. Dastan Nurbekuly, Dr. Gulnara Mayemerova, Dr. Zaur Rakisheva

Coastal erosion management using coast view service-based augmented reality

» Prof. Inho Kim, Mr. Myongjin Kim, [Dr. Hyungseok Lee](#)

Advances in Detecting and Identifying Marine Plastic Waste: A Comprehensive Review

» [Dr. Alexandra Cernian](#)

Gap filling of daily weather data using spatial interpolation techniques and neural network methods

» [Ms. Yixuan Chang](#), Prof. Helene Burningham

Horizontal and Vertical Distribution of Microplastics in the Beach Sediments of Qatar

» [Ms. Samah Dib](#), Dr. Veerasingam Subramanian, Dr. Valliyil Mohammed Aboobacker, Prof. Jassim A Al-Khayat, Prof. Fadhil N. Sadooni, Prof. Hamad Al-Kuwari, Prof. Ponnumony Vethamony



Continued from **Tuesday, 24 September**

Anthropogenic influence on coastal environments: variation of beach litter in regions with diverse human activity

» Dr. Kaire Torn, Dr. Tiia Möller-Raid, [Dr. Kristjan Herkül](#), Dr. Ülo Suursaar, Dr. Maria Pöldma, Prof. Georg Martin

Mechanisms of coastal foredune formation and evolution at multi-decadal scale

» Dr. Anne-Lise Montreuil, [Prof. Nicolas ROBIN](#), Dr. Olivier Raynal, Dr. Rik houthuys, Prof. Margaret Chen

Impact of the beach grain size variability on observed and calculated aeolian transport rates

» Dr. Antoine Lamy, [Prof. Nicolas ROBIN](#), Prof. Thomas.AG Smyth, Prof. Patrick Hesp

Temporal dynamics of the quantity and composition of beach wrack: a monthly analysis in an urban sandy beach in the NE Baltic Sea

» Dr. Tiia Möller-Raid, Dr. Kaire Torn, Dr. Kristjan Herkül, [Ms. Trude Taevere](#), Prof. Georg Martin, Prof. Hendrik Schubert

Metal characteristics in the sediments of mangrove region at Al Khor, Qatar

» [Mrs. Kaiprath Puthiyapurayil Haseeba](#), Dr. Valliyil Mohammed Aboobacker, Prof. Ponnumony Vethamony, Prof. Jassim A Al-Khayat

COASTAL DUNES LONG-TERM MONITORING IN RIO GRANDE DO SUL, SOUTHERN BRAZIL, FROM A DECADEAL TIME SERIES OF SATELLITE IMAGERY

» [Dr. Miguel da Guia Albuquerque](#), Dr. Joana Gaspar de Freitas, Mr. Breno Mello Pereira, Dr. Jefferson Rodrigues dos Santos, Ms. Vitória Gonçalves Souza

A Hybrid Probabilistic Design Model of Riverine Jetties Incorporating Three-Dimensional Numerical Simulations of Transport Phenomena in the Context of Emerging Climate Change

» Mr. Egemen Ander Balas, [Dr. Arif Ugurlu](#), Prof. Can Elmar BALAS

Utilizing artificial intelligence to enhance soil health management in salinized coastal agricultural land

» [Prof. Marija Romić](#), Prof. Vedran Mornar, Dr. Marko Reljic, Mr. Andrej Slapnicar, Prof. Marina Bagic Babac, Prof. Davor Romic

Water quality and environmental resilience to climate change - a case study of the Al Hoceima marine protected area

» [Ms. Hasna BOUAZZATI](#), Ms. Asma Damghi, Dr. Abdelmounaim El Mrini, Dr. Weiyu Song

Permafrost coasts of Pechora and Kara Seas in Transition: environmental forcing change

» Prof. Stanislav Ogorodov, Mrs. Natalia Shabanova, [Dr. Daria Bogatova](#), Mr. Pavel Shabanov, Dr. Anna Novikova, Mr. Georgii Kazhukalo

Evaluating the Consequences of the 2023 Akosombo Dam Spillage into the Volta River on Fuveme Beach, Ghana (West Africa).

» [Dr. Donatus Bapentire Angnuureng](#), Mr. Godwin Ofosu Tutu, Mr. Elijah Atambila, Dr. Rafael Almar

Status of plastic pollution in the marine sediments along the Karachi coast, Pakistan

» Mr. M. Irfan shah, [Dr. Sumera Farooq Siddiqui](#)

New storm breaches in the context of non-tidal inlet dynamics: Storm Bettina (2023), Black Sea coast, Ukraine

» Dr. Oleksiy Davydov, [Prof. Ilya Buynevich](#), [Ms. Oksana Shvets](#)

Arctic coastal erosion threatens to indigenous communities of the Bering Strait: physical causes and social consequences

» [Dr. Alexey Maslakov](#), Mr. Pavel Shabanov, Mrs. Natalia Shabanova, Dr. Alisa Baranskaya

Spatial Characteristics of Mean Particle Sizes, Organic Carbon, and Pore-water Salinity in the Surface Sediments of the Ujeon Tidal Flats, Jeungdo, Sinangun, West Coast of Korea

» [Dr. Jun-Ho Lee](#), Dr. Hoi-Soo Jung, Ms. Huigyeong Ryu, Mr. Yeongjae Jang, Dr. Joo-Hyung Ryu, Dr. Han Jun Woo, Dr. Keunyoung Kim



Continued from **Tuesday, 24 September**

Collision avoidance decision making for ships based on DRL

» Ms. 筱雨 董, [Prof. 薇 蔡](#)

Wave-induced seabed response and liquefaction around slope-type breakwaters

» [Mr. Richard Aidoo](#)

Assessing the Impact of Climate Change on Salinity Variability in Rivers and Estuaries : A Bayesian Modeling Approach

» [Dr. Minwoo Park](#), Prof. Hyun-Han Kwon, Mr. Kang-Min Lee

Effect on irrigation water usages due to seawater intrusion under typhoon season in Korea

» [Mr. HYUN JUNG LEE](#), Prof. SEUNG JIN MAENG, Dr. DONG HYUN KIM, Prof. Seung Oh Lee

A preliminary quantitative and qualitative investigation of microplastic pollution of Maltese surface and sub-surface coastal waters

» [Mr. Ede Kossari Tarnik](#), Prof. ALAN DEIDUN, Dr. Adam Gauci, Dr. Gabor Bordos, Dr. Bence Prikler

Nearshore hydrography off Doha, central Arabian Gulf

» [Dr. Valliyil Mohammed Aboobacker](#), Mrs. Varis Mohammed Hasna, Dr. Ebrahim Al-Ansari, Prof. Ponnumony Vethamony

Monitoring non-indigenous species in port habitats in the Gulf of Finland, Baltic sea

» Dr. Maria Põldma, Dr. Arno Põllumäe, Dr. Andres Jaanus, Dr. Ilmar Kotta, [Ms. Greta Reisalu](#), Ms. Trude Taevere, Mrs. Karolin Teeveer

Assessment of blockage effects induced by sea-crossing bridge using unstructured hydrodynamic model

» [Dr. Takahiro Yamamoto](#), Dr. Turki Al-Said, Dr. Fathima Thuslim, Mr. Aws Al-Ghunaim, Dr. Amit Sarkar, Dr. Rakesh Madhusoodhanan, Dr. Loreta Fernandes, Mr. Waleed Al-Zekri, Dr. Faiza Al-Yamani

Wednesday, 25 September

7:30am **Registration and Refreshments**

8am **Keynote Speaker**
Symposium Hall (Al Dafna 1)

Navigating Uncertainty: Dynamic Dune Management Amidst Anthropogenic Pressures
» Prof. Jean Taylor Ellis

9am **Panel Discussion**
Symposium Hall (Al Dafna 1)
Chaired by: Dr. Ravi Rangarajan

Sustainable Education for Marine and Coastal Management

9:45am **Coffee Break**

10:15am **Breakout Session: Coastal Management, Policy, and Planning**
Symposium Hall (Al Dafna 1)
Chaired by: Prof. Lale Balas

10:15am **BEACH-INLET INTERACTION AND REGIONAL SEDIMENT MANAGEMENT AT PRISTINE AND DEVELOPED BARRIER ISLANDS**
» [Prof. Ping Wang](#)

10:30am **Geomorphic metrics for implementing 'rights of nature' in coastal management**
» [Prof. Kevin E. Parnell](#), Prof. Tarmo Soomere

10:45am **Qatar's built and natural environments in harmony: a sustainable mix of architectural heritage and resource conservation?**
» [Ms. Nayla Higazy](#), Dr. Michael Phillips, Ms. Khulood Sarhan, Ms. Aya Saleh



Continued from **Wednesday, 25 September**

11am **Navigating Pandemic Waves: Portugal's Beach Management Approach to Covid and Insights for the Future**
» [Dr. Carlos Pereira da Silva](#), Dr. Catarina Viana, Dr. Catarina Fonseca

11:15am **The Resilience Inference Measurement (RIM) Approach to Measuring and Predicting Community Resilience to Coastal Hazards**
» [Prof. Nina Lam](#), Dr. Kejin Wang, Dr. Volodymyr Mihunov

11:30am **Nature Based Solutions for Coastal Management in the Arabian Gulf**
» [Mr. Sam King](#), Ms. Bobbie Corbett, Mr. Leslie Angus Jackson, Mr. Aaron Salyer

11:45am **From beauty to management: assessment of coastal scenery on Nova Scotian beaches as a guide for better decision making**
» [Prof. Camilo Botero](#), Prof. Lorn Sheehan, Dr. Ruben Cordero

10:15am **Breakout Session: Climate Change and Sea-Level Rise**
Salwa Hall 1
Chaired by: Hassan Ali

10:15am **Strategic Adaptation to Climate Change Through Monte Carlo-Based Multi-Criteria Decision Model in Marine Spatial Planning**
» Mr. EGEMEN ANDER BALAS, Dr. Asli Numanoğlu Genç, [Prof. Can Elmar BALAS](#)

10:30am **Sea level rise along the coast of Qatar, central Arabian Gulf under the ongoing global warming and climate change**
» [Dr. Cheriyeri Poyil Abdulla](#), Prof. Hamad Al-Kuwari, Dr. Valliyil Mohammed Aboobacker, Prof. Fadhil N. Sadooni, Prof. Ponnumony Vethamony

10:45am **A Probabilistic Coastal Inundation Assessment for Australia**
» [Dr. Julian O'Grady](#), Mrs. Rebecca Gregory, Mr. Tim Erwin, Dr. Mark Hemer

11am **Artificial Intelligence in coastal engineering: Application to climate change studies**
» [Ms. Nerea Fatima Portillo Juan](#), Mr. Javier Olalde Rodríguez, Prof. Vicente Negro Valdecantos, Prof. José María del Campo

11:15am **Linking Changes in the Directional Distribution of Moderate and Strong Winds with Changes in Wave Properties in the Eastern Baltic Proper**
» Prof. Tarmo Soomere, Dr. Maris Eelsalu, Dr. Katri Viigand, [Dr. Andrea Giudici](#)

11:30am **Climate change impact on the future sea state conditions in the Black Sea**
» [Prof. Liliana Rusu](#)

11:45am **STATISTICAL TREND OF EXPOSURE OF SANTOS PORT (BRAZIL) TO EXTREME EVENTS OF SEA-LEVEL RISE AND STORMINESS**
» [Prof. PAOLO ALFREDINI](#), Dr. EMILIA ARASAKI, Mr. Helder Puia

10:15am **Breakout Session: Coastal Biology and Ecology**
Salwa Hall 2
Chaired by: Mahmoud Bataineh

10:15am **Development of an automated coastal biofouling detection system using artificial intelligence object recognition**
» Dr. Veerasingam Subramanian, Dr. M Ranjani, Mr. Fahad Syed Asim, Mr. P. K. Hashir, Dr. Prince Jebedass Isaac, Ms. Hana Ahmed, Ms. Fatma Magdy Elsaid Elhusseiny Elnahas, Mr. Ridhwan Athaullah, Ms. B Abisha, [Ms. Raneem Omer Ahmed Mohamed](#), Prof. Jassim A Al-Khayat, Dr. Sankaran Rajendran, Prof. Ponnumony Vethamony, Prof. Fadhil N. Sadooni, Prof. Saud Abdul Aziz Abdu Ghani

10:30am **A Review of Coastal Biology and Ecology of the NW Arabian Gulf: Optimizing Management for a Unique Ecosystem**
» Dr. Faiza Al-Yamani, [Dr. Turki Al-Said](#), Dr. Manal Al-Kandari

10:45am **Intertidal Macrofauna Biodiversity of Kuwait – An Update Since 2017**
» [Dr. Manal Al-Kandari](#)



Continued from **Wednesday, 25 September**

- 11am **The invasive blue-crab (*Callinectes sapidus*) threatening local small-scale fisheries: retract or react?**
» [Dr. David Piló](#), Dr. Fábio Pereira, Dr. André Carvalho, Dr. Paulo Vasconcelos, Dr. Miguel Gaspar
- 11:15am **Accumulation of microplastics in the gastrointestinal tracts of commercial fish species in the Qatar waters, Arabian Gulf**
» Ms. Arafa Mohamed, [Ms. Samah Dib](#), Dr. Fatima Al-Khayat, Dr. Valliyil Mohammed Aboobacker, Dr. Veerasingam Subramanian, Prof. Jassim A Al-Khayat, Prof. Ponnumony Vethamony
- 11:30am **Coastal aquaculture for sustainable food security of Qatar: preliminary results from the field and laboratory experiments**
» [Ms. Shaikha Alsaegh](#), Dr. Victor Rosas, Mrs. Larissa Britz, Ms. Hadil Elsayed, Prof. Ponnumony Vethamony, Prof. Jassim A Al-Khayat
- 11:45am **Natural fluctuation of pH in shallow-water macrophyte habitats in the brackish Baltic Sea**
» [Dr. Liina Pajusalu](#), Prof. Georg Martin, Dr. Tiina Paalme, Dr. Tiia Möller-Raid
- 10:15am **Breakout Session: Beaches, Dunes, and Coasts**
Salwa Hall 3
Chaired by: Dr. Gonzalo Malvarez
- 10:15am **Field investigation of spatio-temporal change of sediment grain size and beach slope on wave-dominated sandy beaches**
» [Dr. Bruno Castelle](#), Dr. Carla Labarthe, Dr. Vincent Marieu, Dr. Thierry Garlan
- 10:30am **Guardians of the Sand: A Comprehensive Vulnerability Assessment of Coastal Dune Ecosystems through Multi-Criteria Checklists**
» [Ms. Catarina Ióia Santos](#), Dr. José Carlos Ferreira

- 10:45am **Eco-friendly approach on sand dune restoration in micro-tidal beach**
» [Dr. Effi Helmy Ariffin](#), Dr. Mouncef Sedrati, Ms. Aminah Ismailuddin, Ms. Siti Nur Hanani Zainuddin, Dr. Muhammad Zahir Ramli, Mr. Ikmal Siddiq, Ms. Puteri Nurfarah Adawiyah Taslin, Dr. Mardiha Mokhtar
- 11am **Effects of inappropriate nourishment on the coastal dune resilience**
» Dr. Jihyun Kang, Mr. Junho Lee, [Prof. Kwang Hee Choi](#)
- 11:15am **Carbon emission from ice-rich permafrost bluffs: insights from coastal erosion and sediment redistribution estimations, Kharasavey, Kara Sea**
» [Mr. Georgii Kazhukalo](#), Dr. Nataliya Belova, Dr. Paul Overduin, Prof. Stanislav Ogorodov, Dr. Daria Bogatova, Dr. Olga Shilova
- 11:30am **A low-coast Nature-Based Solution for coastal dune restoration: the case study of AlgoBox in south Brittany, France**
» [Dr. Mouncef Sedrati](#), Mrs. Laura Dalour, Mr. Glen Bulot, Mr. Noé Metge
- 11:45am **CROSS-SHORE SEDIMENT TRANSPORT PROCESSES: THE AEOLIAN SEDIMENT EFFECTS ON DUNES**
» Ms. Márcia Lima, Ms. Frederico Romão, Ms. Paul Husemann, [Prof. Carlos Coelho](#)
- 12pm **Lunch / Prayer**
Conference Center Foyer
- 1:30pm **Breakout Session: GIS and Remote Sensing**
Symposium Hall (Al Dafna 1)
Chaired by: Dr. Michael Phillips
- 1:30pm **Mapping shallow water coastal habitats using optical remote sensing and machine learning: evaluating drone, airplane, and satellite-based imagery**
» [Dr. Kristjan Herkül](#), Dr. Ele Vahtmäe, Dr. Tiit Kutser, Mr. Roland Svrgsden, Dr. Mehis Rohtla



Continued from **Wednesday, 25 September**

1:45pm **Multi-temporal drone mapping of coastal ecosystems in restoration: seagrass, salt marsh and dune**
 » Ms. Dorothée James, Dr. Antoine Collin, Ms. Agathe Bouet, Mrs. Morgane Perette, Mr. Tristan Diméglio, Mr. Gwenal Hervouet, Mr. Tony Durozier, Mr. Guillaume Duthion, Mr. Jean-François Lebas

2pm **Ultra high resolution temperature mapping of the muddy, sandy and rocky coasts using UAV-scaled SuperDove imagery**
 » Dr. Antoine Collin, Ms. Dorothée James, Mr. Manuel Lesacher, Prof. Eric Feunteun

2:15pm **Examining the Performance of Satellite Altimetry (SWOT) Sea Level Data in the Coastal Areas of the Baltic Sea**
 » Mr. Aleksei Kupavõh, Prof. Nicole Delpeche-Ellmann, Prof. Artu Ellmann, Prof. Tarmo Soomere

1:30pm **Breakout Session: Coastal Tourism / Decarbonization / Rivers and Estuaries / Dunes**
Salwa Hall 1
 Chaired by: Dr. Bronwyn Goble

1:30pm **An Exploratory Investigation on Developing an Underwater Museum in Qatar to Conserve the Environment and Heritage Through Sustainable Tourism**
 » Dr. Valeria Freundt, Ms. Samar Siddig

1:45pm **Conceptual Development of Floating Structures for Ammonia Loading/Unloading in the Maritime Industry**
 » Dr. Nagi Abdussamie, Dr. Hongjun Fan, Prof. Lambros Kaiktsis, Dr. Ibrahim Abdulwahab, Dr. Faisal AlThobiani, Dr. Shadi Alghaffari

2pm **Hydrodynamic Response of a Shallow Mesotidal Estuary to the Artificial Shifting of its Inlet. A Case Study.**
 » Dr. Andrea Mazzolari, Prof. António Trigo Teixeira

2:15pm **Optimising dune survey approaches for over-stabilised urban dunes in South Wales**
 » Dr. Alissa Flatley, Mr. Matthew Drummond, Dr. Alisdair Cunningham, Ms. Elanor Alun, Prof. Rhian Jenkins, Dr. Hannah Williams

1:30pm **Breakout Session: Ports and Inlets**
Salwa Hall 2
 Chaired by: Prof. David Johnson

1:30pm **Sand wave morphology and migration in the main channel of the outer Tagus estuary**
 » Dr. Luís Portela

1:45pm **Climate Impacts on Egyptian Inland Ports and Adaptation Strategies: Perspectives of Port Managers and Staff**
 » Dr. Mahmoud Sharaan, Prof. Mona G. Ibrahim, Mr. Ahmed A. Romya, Dr. Ahmed Elsayed ElKut, Prof. Akram Soliman, Prof. Moheb Iskander

2pm **Integrated Methodology for Estimating Maintenance Dredging Intervals at Port Berths: A Case Study in a Brazilian Estuarine Environment**
 » Mr. Lucas Pion, Prof. José Carlos de Melo Bernardino

2:15pm **Numerical investigation and analysis of Fishing Harbour Hydro-Morpho-Dynamics in wave, tide and combined wave-tide dominated basins for sustainable coastal development**
 » Mr. NARESH KUMAR GOUD LAKKU, Mr. SANKALP SHEVALE, Ms. MONALISA DAS, Dr. MANASA RANJAN BEHERA

1:30pm **Breakout Session: Coastal Geology and Geomorphology**
Salwa Hall 3
 Chaired by: Dr. Fatima Navas

1:30pm **Rapidly transforming Holocene strandplain, affected by port jetty and hydroclimatic shifts - natural laboratory of past and future shoreline behavior**
 » Dr. Hannes Tõnisson, Ms. Katre Luik, Dr. Ülo Suursaar, Prof. Ilya Buynevich, Dr. Are Kont, Dr. Rain Männikus, Dr. Reimo Rivis, Dr. Sten Suuroja, Dr. Kadri Vilumaa



Continued from **Wednesday, 25 September**

- 1:45pm **The First Managed Salt Marsh Restoration in New Brunswick, Canada: Lessons Learned**
» [Dr. Jeff Ollerhead](#), Dr. Holly Abbandonato, Mr. Nic McLellan
- 2pm **A Review of Geomorphological Salt Marsh Research Methodologies**
» [Mr. Wyatt Maddox](#), Dr. Eva Kwoil
- 2:15pm **Planview Geometrics for Embayment Characterisation in the Pocket Beaches of Gunungkidul Regency, Indonesia**
» [Mr. Hendy Fatchurohman](#), Prof. Helene Burningham
- 2:30pm **Poster Exhibition and Coffee**
Poster Hall (Al Dafna 2)
- 3:45pm **Breakout Session: Coastal Hazards and Extreme Storms**
Symposium Hall (Al Dafna 1)
Chaired by: Prof. Carlos Coelho
- 3:45pm **A 7000-year Coastal Sedimentary Record of Paleohurricane Activity from Northern Nicaragua**
» [Prof. Kam-biu Liu](#), Dr. Terrence A. McCloskey
- 4pm **Development of coastal disaster simulation system using marine digital twin technology**
» [Dr. Hak Soo Lim](#), Dr. Sunghoon Hong, Dr. Jin Hyeok Park, Ms. Yunseo Choi, Mr. Hunghwan Choi
- 4:15pm **An Assessment of the Expected Dynamics of the Extreme Storms in the Mediterranean Sea**
» [Prof. Eugen-Victor-Cristian RUSU](#)
- 4:30pm **Temporal and Spatial Changes of Joint Influence of Waves and Water Levels in the Eastern Baltic Sea**
» Dr. Rain Männikus, [Dr. Katri Viigand](#), Prof. Tarmo Soomere

- 4:45pm **A Parametric Model of Tropical Cyclone Wave Fields**
» [Dr. Julian O'Grady](#)
- 3:45pm **Breakout Session: Coastal Engineering**
Salwa Hall 1
Chaired by: Charles Lemckert
- 3:45pm **Enhancing Türkiye's Renewable Energy Capacity: An Advanced Hybrid Model for Combined Offshore Wind and Wave Turbines Design Utilizing Hydrodynamic and Monte Carlo Simulations**
» Mr. Abdullah Kursat Demir, [Prof. Can Elmar BALAS](#), Prof. Lale Balas
- 4pm **Design and Construction of Floating Islands in Qatar**
» Mr. Zack Lindenberg, [Mr. Sam King](#), Mr. Zaidoun Otoom, Mr. Murwan Hassan, Mr. Aaron Salyer, Mr. Leslie Angus Jackson
- 4:15pm **Exploring Renewable Energy on the Coastline of Türkiye: Wind and Wave Power Potential**
» Dr. Tarık Buyruk, [Mr. Egemen Balas](#), Dr. Asli Numanoğlu Genç, Prof. Lale Balas
- 4:30pm **State-of-the-art beach nourishment projects along the Brazilian coast**
» [Dr. pedro pereira](#), Mrs. Ligia Tebechrani, Dr. Antonio Klein
- 4:45pm **Cost Estimation Comparison between Natural and Synthetic Fibers Textile for Temporary Geobag-dyke structure in coastal protection system**
» [Dr. Nita Yuanita](#), Dr. Martinus Abednego, Mr. Raudhy Rabbani, Ms. Erika Gunawan, Dr. Rildova Rildova, Mr. Rifqi Fagmi, Dr. Alamsyah Kurniawan
- 3:45pm **Breakout Session: Coastal Biology and Ecology**
Salwa Hall 2
Chaired by: Prof. Prof. Dr. Ahmed S. M. Ahmed



Continued from **Wednesday, 25 September**

3:45pm **Biodiversity of mesozooplankton in the oligotrophic hypersaline waters of the Western Arabian Gulf**
 » Dr. Mehmuna Begum, Dr. Rakesh Madhusoodhanan, Dr. Thadickal joydas, Dr. Mohamed Asharaf, Mr. Muaadh A. Alnuwairah, Dr. Sivasankar Ramakrishnan, Dr. Karuppasamy Manikandan, Dr. Abdulaziz Al-Suwailem

4pm **Seaweeds from the tropical Brazilian coast as a potential source of chemical compounds for human use**
 » Prof. José Souto Rosa Filho, Dr. Nykon Craveiro, Prof. Josean Fechini, Dr. Yuri Nascimento, Dr. Fausthon Silva

4:15pm **Tracking Pre- and Post-Industrialization Changes in the Bay of Sept-Îles (Canada) Using Foraminifera as Bioindicators**
 » Ms. Neha Joshi, Dr. Jean-Carlos Montero-Serrano, Ms. Charlene Lefebvre, Dr. Émilie Saulnier-Talbot

4:30pm **Can we estimate the annual amount of shellfish collected from a sandy beach? The case of the recreational harvesting of wedge clams (*Donax trunculus*)**
 » Dr. Fábio Pereira, Dr. André Carvalho, Dr. David Piló, Dr. Paulo Vasconcelos, Dr. Miguel Gaspar

4:45pm **Exploring Coastal Ecosystem Biodiversity in a Mediterranean hotspot: Marmaris Bay, Turkey**
 » Dr. Pelin Fidanoglu Yildirim, Dr. Kağan Cebe, Prof. Lale Balas

3:45pm **Breakout Session: Self Seas, Lagoons, and Oceanography**
Salwa Hall 3
 Chaired by: Dr. Ravi Rangarajan

3:45pm **Stable Oxygen and Strontium isotopic evidence of submarine groundwater discharge in the northern Indian Ocean**
 » Dr. Ravi Rangarajan, Dr. Prasanna K

4pm **Exploring the spatial distribution, composition, and depth-related patterns of marine litter in Maltese waters: insights from the MEDITS survey data**

» Ms. Beatrice Greiner, Prof. ALAN DEIDUN, Mr. Alessio Marrone, Prof. Liberato Camilleri, Dr. Jurgen Mifsud, Ms. Kelly Camilleri, Dr. Adam Gauci, Mr. Ede Kossari Tarnik

4:15pm **Oceanographic variability in Sir Bu Nair Island (Arabian/Persian Gulf) based on in situ observations.**

» Dr. Georgenes Cavalcante, Dr. Filipe Vieira, Dr. Rita Bento, Dr. Aaron Bartholomew, Prof. John A Burt

4:30pm **Properties of In-Situ Lagrangian Surface Drifters and their Relationship with Stokes Drift in the Baltic Sea**

» Prof. Nicole Delpeche-Ellmann, Dr. Andrea Giudici

4:45pm **Ecosystem Responses to Aeolian Dust: A Multifaceted Study in the Northern Arabian Gulf**

» Dr. Turki Al-Said, Dr. Rakesh Madhusoodhanan, Dr. Amit Sarkar, Dr. Loreta Fernandes, Dr. Ayaz Ahmed, Dr. Takahiro Yamamoto, Dr. Ali Al-Dousari, Mr. Waleed Al-Zekri, Mrs. Mariam Al-Enezi, Mr. Aws Al-Ghunaim, Dr. Faiza Al-Yamani

7pm **ICS Banquet Dinner (Registration Required)**
Al Majlis Hall

Thursday, 26 September

7:30am **Registration and Refreshments**

8am **Keynote Speaker**
Symposium Hall (Al Dafna 1)

Recent Developments Towards Environmental Sustainability: The Contribution of Maritime Industry

» Prof. Lambros Kaiktsis



Continued from **Thursday, 26 September**

- 9am **Panel Discussion**
Symposium Hall (Al Dafna 1)
Chaired by: Dr. Nagi Abdussamie
- Engineering the Blue Economy: Advancements and Limitations in Marine Technologies for the Maritime Industry**
- 9:45am **Coffee Break**
- 10:15am **Breakout Session: Coastal Management, Policy, and Planning**
Symposium Hall (Al Dafna 1)
Chaired by: Prof. Can Elmar BALAS
- 10:15am **Towards Implementing Water Level Variations into Coastal Vulnerability Indexes in Microtidal Seas**
» [Prof. Tarmo Soomere](#), Dr. Ingrida Bagdanavičiūtė, Mr. Mojtaba Barzehkar, Prof. Kevin E. Parnell
- 10:30am **Incorporating a machine learning approach into an established decision support system for coastal vulnerability in the Eastern Baltic Sea**
» Mr. Mojtaba Barzehkar, [Prof. Kevin E. Parnell](#), Prof. Tarmo Soomere
- 10:45am **Exploring coastal vulnerability assessment through the lens of physical and human vulnerabilities for the Azores: a first approach**
» [Mr. Bruno Rosa](#), Dr. Kiat Ng, Dr. Paulo Borges, Dr. Helena Calado
- 11am **Systematic analysis of alongshore sediment transport patterns under varying sea level conditions for evaluating stability of coastal areas in the microtidal Baltic Sea**
» [Dr. Maris Eelsalu](#), Dr. Katri Viigand, Prof. Tarmo Soomere, Prof. Kevin E. Parnell
- 11:15am **MARINE SPATIAL PLANNING IN THE BALNEÁRIO CAMBORIÚ'S COVE**
» [Mr. Caíque Rocha](#), Prof. Marcus Polette

- 11:30am **Channel Maintenance Planning in Estonia**
» Mr. Maarius Utso, [Dr. Inga Zaitseva-Pärnaste](#), Prof. Kevin E. Parnell
- 11:45am **Bio-desalination of Seawater Using Microalgae and CO2 Absorption as an Environmentally Friendly Desalination Technology**
» [Dr. Amin Esmaeili](#)
- 10:15am **Breakout Session: Coastal Evolution and Shoreline Change**
Salwa Hall 1
Chaired by: Dr. Carlos Pereira da Silva
- 10:15am **Contribution of community and citizen science to the monitoring of coastal cliff erosion**
» [Prof. Helene Burningham](#), Ms. Jie Gong, Mr. Richard Tricker
- 10:30am **A Case Study of Post-industrial Shoreline Recovery on Canada's Pacific Coast**
» [Mr. Wyatt Maddox](#)
- 10:45am **Modeling shoreline evolution on shore platform beaches**
» [Dr. Rui Taborda](#), Dr. Ana Silva
- 11am **New Data-Driven Model for Shoreline Position Estimation: Addressing Cross-Shore and Alongshore Sediment Interactions.**
» [Mr. Guru Prasath](#), Dr. Sannasiraj S.A
- 11:15am **Investigating Southern Annular Mode (SAM) as a driver for longshore transport on Adelaide's managed beaches in South Australia**
» [Mr. Benjamin Perry](#), Dr. Bas Huisman, Prof. Dano Roelvink, Prof. Patrick Hesp, Dr. Graziela Miot da Silva
- 11:30am **Beaches shoreline trends along western coast of Sardinia Island (western Mediterranean Sea)**
» [Dr. Simone Simeone](#), Dr. Walter Brambilla, Dr. Alessandro Conforti, Dr. Françoise Meyer, Dr. Emanuela Molinaroli, Dr. Giovanni De Falco



Continued from **Thursday, 26 September**

11:45am **More vulnerable although legal: a case-study comparison of coastal urbanization in Turkey and Colombia**
 » [Prof. Camilo Botero](#), Prof. Gulizar Ozyurt, Mrs. Sandra M. Otero, Prof. H. Gokhan Guler, Prof. Aysen Ergin

10:15am **Breakout Session: Hydrodynamics and Modeling**
Salwa Hall 2
 Chaired by: Dr. Bruno Castelle

10:15am **Modelling Wave Attenuation by Salt Marsh**
 » [Prof. Jon Williams](#), Mr. Sathish Kumar, Ms. Joanne Matthews, Mr. Tom Palmer, Mr. Neil Hoskins, Ms. Remsha Mohammed Remla, Mr. Andrew Gibbons, Mr. Navtej Tung

10:30am **Impacts of Shamal and Nashi winds on the hydrodynamics along the northeast coast of Qatar, central Arabian Gulf**
 » [Dr. Valliyil Mohammed Aboobacker](#), Dr. Cheriye Poyil Abdulla, Dr. Ebrahim Al-Ansari, Prof. Ponnumony Vethamony

10:45am **Three-dimensional non-hydrostatic modeling with LES Leray- α turbulence model: applications to complex tidal environments**
 » [Ms. Lorena Gil Calo](#), Prof. Anne-Claire Bennis, Dr. Martial Boutet, Prof. Frederic Dias

11am **IMPACT OF TRANSVERSAL AND LONGITUDINAL SEDIMENT TRANSPORT ON THE SHORELINE EVOLUTION: EFFECTS OF SANDBAR VOLUME AND WAVE CLIMATE**
 » [Ms. Ana Ferreira](#), Prof. Carlos Coelho, Prof. Paulo Silva

11:15am **Hydrodynamic analysis of an oscillating water column wave energy converter**
 » [Dr. Nagi Abdussamie](#), Mr. Thiban Subramaniam, Dr. Aiyad Gannan, Dr. Wesam Rohouma

11:30am **HYDRODYNAMIC MODELING AND FLUSHING ASSESSMENT OF KHAWR AL BATAH, OMAN**
 » [Prof. Prof. Dr. Ahmed S. M. Ahmed](#), Mr. Ahmed Abdelkader, Mr. Abdullah Khalil, Mr. Mohamed Othman

10:15am **Breakout Session: Coastal Hazards and Extreme Storms**
Salwa Hall 3
 Chaired by: Dr. Alissa Flatley

10:15am **Real-Time Flood Forecasting System for disaster risk reduction due to flash floods**
 » [Dr. Binumol Shahulhameed](#), [Ms. dilbar k](#), Mr. Srinivasa Daya Prasad Daya Prasad, Ms. Anu Krishna

10:30am **Evaluating Coastal Vulnerability by Temporal and Spatial Variation of Parameters of the GEV Distribution Along the Baltic Sea Coast**
 » [Dr. Katri Viigand](#), Dr. Maris Eelsalu, Prof. Tarmo Soomere

10:45am **Design storm surge level estimation for port and harbor facilities**
 » [Mr. D. Satish Kumar](#), [Dr. MANASA RANJAN BEHERA](#), Mr. Saikrishna Nadella, Dr. A. Vinod Kumar

11am **Advancing Coastal Safety: Integrative Strategies for Rip Current Detection and Prevention Using Satellite Technology and AI Innovations**
 » [Dr. Surisetty V V Arun Kumar](#), Mr. Venkateswarlu Ch, Mr. Baggu Gireesh, Prof. Naidu C V, Dr. Rashmi Sharma

11:15am **Comparative Analysis of different meteorological parameters on Storm Surge Simulation during Tauktae cyclone**
 » [Mr. RAJENDIRAN SUNDARAMOORTHY](#), Ms. Beulah Hepzibah Ravikumar, Prof. Balaji Ramakrishnan

11:30am **STATISTICAL ASSESSMENT OF EXTREME STORM EVENTS ON THE BRAZILIAN CONTINENTAL SHELF FROM 1940 TO 2022**
 » [Prof. PAOLO ALFREDINI](#), Mr. Lucas Fontanetti Martins, Mr. Rafael Carvalho Neves, Mr. Fernando Martinez, Dr. EMILIA ARASAKI



Continued from **Thursday, 26 September**

- 12pm **Lunch**
Conference Center Foyer
- 1:30pm **Breakout Session: Coastal Engineering**
Symposium Hall (Al Dafna 1)
Chaired by: Prof. Nina Lam
- 1:30pm **Performance analysis of groyne fields on the Uruguayan coast**
» [Mr. Lucas Sellanes](#), Dr. Rodrigo Alonso, Dr. Sebastián Solari
- 1:45pm **Impact of Climate Change on Breakwater Armor Design: Advancements in reduced-scale physical modeling methodologies.**
» [Mr. Roberto de Oliveira Bezerra](#), Prof. José Carlos de Melo Bernardino, Mr. Tom Lateyron
- 2pm **PRELIMINARY INVESTIGATION ON THE EFFECTS OF SEA LEVEL RISE ON THE WAVE OVERTOPPING PERFORMANCE AND ARMOUR STABILITY OF AN EXISTING BREAKWATER**
» [Mr. Christian James Aquino](#), Dr. Mario De Leon
- 2:15pm **Overtopping assessment of a rubble mound breakwater with innovative armor units: a physical and numerical study**
» Dr. Elisa Leone, Dr. Antonio Francone, Dr. Andrea Paglialunga, Dr. Francesco Ciardulli, Dr. Andrea Aloisi, [Prof. Giuseppe Roberto Tomasicchio](#)
- 1:30pm **Breakout Session: Climate Change and Clean Energy**
Salwa Hall 1
Chaired by: Dr. Hak Soo Lim
- 1:30pm **Climate Change Impacts on Subtropical South African Estuaries**
» [Ms. Fiona MacKay](#), Dr. Bronwyn Goble, Mr. Francois Smit

- 1:45pm **Assessment and Mitigation of Assessment and Mitigation of Land-Based Pollutants and Climate Change Impacts on Coastal Water Quality**
» Dr. Kağan Cebe, [Prof. Lale Balas](#), Dr. Pelin Fidanoglu Yildirim
- 2pm **Methodology for the development of regional strategies for the adaptation of the coast to climate change**
» [Dr. Jara Martínez Sánchez](#), Dr. Raúl Medina, Dr. Íñigo Aniel-Quiroga, Mrs. Ana García-Fletcher, Mr. Ángel Muñoz Cubillo, Mr. Patricio Poulet Brea
- 2:15pm **Feasibility Analysis of Green Hydrogen Generation from Offshore energy resources**
» Dr. Binumol Shahulhameed, Mr. Arun Sasilekha Gopinath, Mr. Erat Krishnankutty Jishor, Mr. Raja Thangavelu, Mr. Krishna Kumar koyyala, [Ms. dilba rk](#)
- 1:30pm **Breakout Session: Coastal Dynamics**
Salwa Hall 2
Chaired by: Prof. António Trigo Teixeira
- 1:30pm **Millennia-long progradation turned into coastal erosion at Järve coast of the Baltic Sea**
» [Ms. Katre Luik](#), Dr. Ülo Suursaar, Dr. Hannes Tõnisson, Dr. Reimo Rivis, Dr. Sten Suuroja, Dr. Kadri Vilumaa
- 1:45pm **Space-time tendencies of coastal dynamics based on morphometric and hydro-meteorological data (Curonian Spit, Lithuania)**
» Mr. Pranciškus Brazdžiūnas, [Prof. Donatas Pupienis](#), Dr. Darius Jarmalavičius, Dr. Gintautas Žilinskas
- 2pm **Alongshore sediment transport in the Eastern Baltic Sea**
» Mr. Mikolaj Zbigniew Jankowski, [Prof. Tarmo Soomere](#), Prof. Kevin E. Parnell, Dr. Maris Eelsalu
- 2:15pm **Transport of Expanded Polystyrene Buoys from Korean Aquaculture Farms**
» Dr. Seongbong Seo, [Dr. Young-Gyu Park](#)



Continued from **Thursday, 26 September**

1:30pm **Breakout Session: Coastal Biology and Ecology**
Salwa Hall 3
Chaired by: Dr. Jeff Ollerhead

1:30pm **Biodiversity and Conservation in the Arabian Gulf: Insights from the Sulaibikhat Bay Marine Protected Area, northern Arabian Gulf.**
» Dr. Turki Al-Said, Dr. Faiza Al-Yamani, Dr. Rakesh Madhusoodhanan, Dr. Manal Al-Kandari, Dr. Takahiro Yamamoto, Dr. Amit Sarkar, Dr. Loreta Fernandes, Dr. Ayaz Ahmed, Dr. Igor Polikarpov, Dr. Sabeena Farvin, Dr. Suredraraj Alagarsamy, Dr. Saja Al-Fakhraldein, Mr. Aws Al-Ghunaim, Mr. Nityanandan Manickam, Dr. Gopikrishna Mantha, Mr. Waleed Al-Zekri, Mrs. Mariam Al-Enezi, Mrs. Jessy Sebastian, Mrs. Meera Reghu

1:45pm **What do we know about the ecosystem engineer Sabellaria wilsoni (Annelida: Polychaeta) in the southern Atlantic Ocean**
» Prof. José Souto Rosa Filho, Dr. Daiane Aviz, Dr. Marcelo Petracco, Prof. Stephen Hawkins

2pm **Increasing sand mining pressure has ramifications for estuary health on South Africa's north east coast**
» Mrs. Bianca McKelvey, Ms. Fiona MacKay

2:30pm **Poster Exhibition and Coffee**
Poster Hall (Al Dafna 2)

3:15pm **Breakout Session: Coastal Geology and Geomorphology**
Salwa Hall 1
Chaired by: Dr. Fahim Ullah Khan

3:15pm **Automated Mapping of Surface Sedimentary Features in Mixed Sand-Gravel Tidal Inlets Using UAV, XGBoost and U-Net**
» Ms. Jie Gong, Prof. Helene Burningham

3:30pm **Geomorphological patterns of modern and buried reefs in two insular land-locked embayments (Lesvos Island, Greece): a comparative study**
» Dr. Evangelia Manoutsoglou, Mrs. Vasiliki Lioupa, Prof. Thomas Hasiotis

3:45pm **Coastal dynamics, permafrost and lithology of the Sharapov Shar Bay shores, Kara Sea**
» Dr. Daria Bogatova, Mr. Georgii Kazhukalo, Dr. Alisa Baranskaya, Dr. Anna Novikova, Prof. Stanislav Ogorodov, Dr. Alexey Maslakov

4pm **Morphometric analysis and classification of the embayed beaches on the Southern coast of Sardinia Island (Western Mediterranean Sea)**
» Dr. Antonio Usai, Dr. Simone Simeone, Dr. Daniele Trogu, Dr. Marco Porta, Prof. Sandro De Muro

4:15pm **Study and monitoring of coastal geomorphological change by drone and DGPS of the Langue de Barbarie (Saint Louis, Senegal)**
» Dr. Kader BA, Dr. Papa Sagne, Dr. Abdoulaye NDOUR, Mr. djibril tine

3:15pm **Breakout Session: Hydrodynamics and Modeling**
Salwa Hall 2
Chaired by: Dr. Amin Esmaeili

3:15pm **An assessment of Caspian Sea modelled wave climate using ERA5 winds**
» Dr. Rain Männikus, Dr. Andrea Giudici, Dr. Gulnara Mayemerova, Ms. Meruyert Beisembekova, Dr. Zaure Rakisheva, Prof. Tarmo Soomere

3:30pm **Experimental and Numerical investigation of free decay motion of a Wave Energy Converter model**
» Ms. Aiswaria K, Prof. Balaji Ramakrishnan

3:45pm **A Numerical Modelling Approach to Coral Restoration and Management: Understanding Tobago's Hydrodynamics and Reef Connectivity**
» Ms. Medina Ishmael-Lalla, Dr. Anjani Ganase, Ms. Anesha Deonarine, Mr. Nazeer Gopaul



Continued from **Thursday, 26 September**

- 4pm **CFD modelling of a tsunami event**
» [Dr. Nagi Abdussamie](#), Mr. Curtis Graham
- 4:15pm **Assessment of Single-Layer Armor Units in Breakwater Design under Climate Change: In-Depth Case Analysis of Rize-Artvin Airport Breakwater**
» [Dr. Arif Ugurlu](#), Prof. Can Elmar BALAS
- 3:15pm **Breakout Session: GIS and Remote Sensing**
Salwa Hall 3
Chaired by: Raj Dahal
- 3:15pm **Estimation of Dissolved oxygen levels using Landsat 8 images: application to Kuwait Territorial water.**
» [Dr. Ikram Al-Attar](#), Dr. Jaafar Al Mutawa
- 3:30pm **Comparison of 3D Model Generation Using Structure-from-Motion by Open-Source Software and Validation with LiDAR for Revealing Changes in Eroding Coastal Cliffs**
» [Dr. Inga Zaitseva-Pärnaste](#), Dr. Heiko Herrmann
- 3:45pm **An Extended Analysis of Coastal Reclamation Areas through the Utilization of Remote Sensing Data and Landscape Metrics**
» [Mrs. Büşra Karagöz](#), Prof. Nebiye Musaoglu
- 4pm **Developing a joint strategy for fostering sustainable blue economies in Cyprus and Croatia: the work of the SeaTechHub project**
» [Dr. Xenia Loizidou I.](#), Ms. Demetra Orthodoxou, Dr. Ivana Bujas Rupić, Dr. George Kassinis

Friday, 27 September

- 1pm **Field Trips: Museum and Desert Safari (Registration Required)**