



14th

International Conference on Coasts, Ports and Marine Structures

9 & 10 May 2023, Tehran-IRAN

ICOPMAS 2022

**FIRST
DAY**

HALL A - FIRST DAY (09/05/2023)

HALL A - FIRST DAY (09/05/2023)		
Title		Time
Reception of guests		7:30-8:30
Opening Ceremony		8:30-10:30
Coffee Break & Exhibition		10:30-11:30
Keynote speaker: Tomoya Shibayama	Coastal Disaster Surveys And Assessment For Risk Mitigation	11:30 - 12:00
Prayer and Lunch		12:00-13:30
Keynote Speaker: Mohammad Reza Bahari	Engineering And Installation Of Offshore Subsea Pipeline; Past Experience And Future Challenges	13:30-14:00
Keynote Speaker: Balaji Ramakrishnan	Practical Challenges Of Understanding The Hydro-Morpho-Dynamics From Coastal & Port Engineering Perspective	14:00-14:30
HYDRODYNAMICS AND SEDIMENT CHAIRMAN: Tomaya Shibayama		
Authors	Title	Time
Alireza Shadmani, <u>Mohammad reza Nikoo</u> , Amir H gandomi, Issa Alharaty, Talal Etri	Multi-Objective Shape Optimization Of Multi-Axis Wave Energy Converter	14:30-14:45
Nikta Iravani, <u>Seyed Peyman Badiei</u> , Mohammad Hosein Nemati, Mohammad Bagheri	Prediction Of Short-Term Caspian Sea Level Using Artificial Neural Network	14:45-15:00
<u>Shirin Farkhani</u> , Nasser Hadjizadeh Zaker	Comparative Analysis Of Sea Surface Temperature Pattern In The Persian Gulf Using Satellite Data	15:00-15:15
<u>Hasan Heidarnejad</u> , Seyed Peyman Badiei, Mehdi Sanayei, Mohammad Hosein Nemati, Mohammad Bagheri	A Study On The Main Processes Influencing The Hydrodynamic Characteristics Of The Anzali Wetland-Port System	15:15-15:30
Coffee Break		15:30 - 15:45
HYDRODYNAMICS AND SEDIMENT CHAIRMAN: Ioan Nistor		
Authors	Title	Time
<u>Mohammad Nabavianpour</u> , Ahmad Shanesazzadeh	An Improvement In Surf Zone Sediment Transport Prediction In Coastal Environment Under Asymmetry Waves	15:45-16:00
<u>Nasser Hadjizadeh Zaker</u> , Pendar Hadinezhad	Fluorescent Sand-Tracer Experiment In Amirabad Port Coastal Zone In The Caspian Sea	16:00-16:15
<u>Erfan Amiri</u> , Mohsen Soltanpour	Laboratory Study Of The Of Carbonate Sediment Transport In Steady Uniform Flow	16:15-16:30
<u>Jalil Taqizadeh-Tameh</u> , Hossein Mousazadeh, Shahin Rafiee, Nazilla Tarabi	Development And Evaluation Of An Online Non-Nuclear Slurry Density-Meter In Dredging Scale Based On Applied Current Magnetic Induction Tomography (Ac-Mit)	16:30-16:45



HALL B - FIRST DAY (09/05/2023)		
Title	Time	
Reception of guests	7:30-8:30	
Opening Ceremony HALL A	8:30 -10:30	
Coffee Break & Exhibition	10:30 - 11:30	
Keynote Speaker Hall A	11:30 - 12:00	
Prayer and Lunch	12:00 -13:30	
Keynote Speaker Hall A	13:30 - 14:00	
Keynote Speaker Hall A	14:00-14:30	
HYDRODYNAMICS AND SEDIMENT CHAIRMAN: Balaji Ramakrishnan		
Authors	Title	Time
<u>Morteza Keshatgar</u> , Seyed Mostafa siadat mousavi	Skill Assessment Of The Wrf Model For Simulating The Surface Winds; Application To The Farsi Island	14:30-14:45
<u>Hamed Deldar</u> , Hassan Yousefi, Akbar Rashidi Ebrahim Hesari	Detection Of Internal Waves In The Oman Sea By Satellite Images In 2020 And 2021	14:45-15:00
<u>Masoumeh Hashempour</u> , Morteza Kolahdoozan	The Efficiency Of Synthetic Sponge To Control The Sedimentation In The Harbour Access Channels	15:00-15:15
<u>Majid Zarezadeh</u>	Investigating The Effect Of Nakhle Nakhoda Pier (Bandar Abbas) Construction On Current Pattern And Changing Turbidity In The Region And Procedure For Troubleshooting Turbidity Using Modeling	15:15-15:30
Coffee Break		15:30-15:45
HYDRODYNAMICS AND SEDIMENT CHAIRMAN: Seyed Mostafa Siadat Mousavi		
Authors	Title	Time
Ebrahim Shabani, <u>Mohammad Adibzade</u>	Hydrodynamic Analysis Of Pelamis P2 Under The Effect Of Multi_peak Wave Spectra On The Eastern Coasts Of The Makran	15:45-16:00
<u>Hossein Farjami</u>	Investigation Of Internal Waves Generated By The Sefidrud Plumes In The Southern Caspian Sea	16:00-16:15
<u>Mohammadreza Rashki</u> , Mostafa Zeinoddini, Mohammadmahdi Aalami Harandi	Marine Fouling Effects On The Renewable Energy Harvesting From Vortex-Induced Vibration Of Circular Oscillators	16:15-16:30
Nazilla Tarabi, <u>Hossein Mousazadeh</u> , Ali Jafar, Jalil Taghizadeh- Tameh	Online Monitoring Of Dredging Operation And Measuring Sediment Concentration Passing Through Dredger Pipe	16:30-16:45
<u>Mohammad Hosein Golchin</u> , Seyed Peyman Badiei, Sorush Aliasgari	Experimental Study Of Reef Ball Units' Performance In Submerged Breakwaters	16:45-17:00

HALL C - FIRST DAY (09/05/2023)

Title	Time
Reception of guests	7:30-8:30
Opening Ceremony HALL A	8:30-10:30
Coffee Break & Exhibition	10:30 - 11:30
Keynote Speaker Hall A	11:30 - 12:00
Prayer and Lunch	12:00 -13:30
Keynote Speaker Hall A	13:30 - 14:00
Keynote Speaker Hall A	14:00-14:30

HYDRODYNAMICS AND SEDIMENT- WAVE AND CURRENT CHAIRMAN: Ali Akbar Bidokhti

Authors	Title	Time
Hani Chasemi, Mohsen Soltanpour, Ali Dastgheib, <u>Aref.Farhangmehr</u>	Modelling Of Sedimentation At Babolsar Fishery Port, Iran	14:30-14:45
<u>Soroush Sakhaei</u> , Madjid Abbaspour	Investigating The Effect Of Blades Helicity On The Darrieus Tidal Turbine Efficiency	14:45-15:00
<u>Alireza Bahmanzadegan Jahromi</u> , Mojtaba Ezam, Hesam Taghi Abadi, Dariush Askari, Ahmad Dordizadeh	Water Circulation Of Chabahar Bay	15:00-15:15
Ali Hafezi Bafti, Rasoul Memarzadeh, Majid Dehghani, <u>Fatemeh Boochani</u>	Evaluation Of Flow3d Numerical Model To Study The Shock Wave Propagation On The Shore With A Gentle Slope	15:15-15:30
Coffee Break		15:30-15:45

WORKSHOP

Presented By	Title	Time
Sazeh Pardazi Iran Consulting Engineers: <u>Ali Pak</u>	Marine Spatial Planning (Msp): Concepts, Objectives And Msp Status In Iran	16:00-17:00

HALL D - FIRST DAY (09/05/2023)

Title	Time
Reception of guests	7:30-8:30
Opening Ceremony HALL A	8:30-10:30
Coffee Break & Exhibition	10:30 - 11:30
Keynote Speaker Hall A	11:30 - 12:00
Prayer and Lunch	12:00 -13:30
Keynote Speaker Hall A	13:30 - 14:00
Keynote Speaker Hall A	14:00-14:30

WORKSHOP

Presented By	Title	Time
Sahel Omid Iranian Consultant Engineers:- <u>Mohammad Mirzayi</u>	Design, Physical Modeling And Implementation Of Acropod Single-Layer Armor	14:30-15:30
Coffee Break		15:30-15:45
Majid Nikkhaah, Hamidreza pirzad	Monitoring The Anchorage System Of Structure Of The Third Phase Of Shahid Rajaei Port Development Project Using Fiber Optic Sensor (Fbg)	15:45-16:45
Majid Jandaghi Alaee, Meysam Bali	Gorgan Bay And Challenges Due To The Caspian Sea Level Decrease	16:45-17:45



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SECOND
DAY

HALL A - SECOND DAY (10/05/2023)

Reception of guests		7:30-8:30
Keynote Speaker: Jun Sasaki	Carbon Removal And Emission Processes And Promotion Of Climate Change Mitigation In Tokyo Bay	8:30-9:00
Keynote Speaker: Ioan Nistor	Tsunami-Induced Scour Around Infrastructure During Extreme Coastal Flooding: Field And Experimental Investigations	9:00-9:30
PORT ENGINEERING AND COASTAL STRUCTURES CHAIRMAN: Vahid Chegini		
Authors	Title	Time
Farzad Mohammadi, <u>Hossein Mousazadeh</u> , Ail Jafari	Design, Construction And Evaluation Of Centripetal Solid-Particle Mass Flow Meter For Port Terminal Funnels	9:30-9:45
<u>Hesammodin Nasaj Moghadam</u> , Farshid Jandaghi Alaee, Pooriya Bakhshi Qalibaf Toosi	Mechanical And Durability Properties Of Basalt Fiber Reinforced Concrete	9:45-10:00
Majid Jandaghi Alaee, Mohammad Hadi Moeeni, Mahdi Karmyab Roudsari, <u>Meysam bali</u>	Chamkhale Marina, An Engineering Solution To Minimize Long Shore Transport Effects	10:00-10:15
<u>Mehdi Shahmohammadi</u> , Amir Davazdah Emami	Analysis Of Heavy Lifting On An Anchored Tubular Pile Quay-Wall	10:15-10:30
Coffee Break		10:30-11:00
PORT ENGINEERING AND COASTAL STRUCTURES CHAIRMAN: Majid Jandaghi Alaee		
Authors	Title	Time
<u>Mohammad Morsalnejad</u> , Saeed Askarian, Ali Fakher	An Underwater Ground Improvement Method For Caisson Type Wharfs	11:00-11:15
<u>Mohammad Mohammadnia</u> , Saeed Askarian, Ali Fakher	Combination Of Stone Columns And Dynamic Replacement As Soil Improvement Method For Reclaimed Lands Of Kangan PDH/PP Project	11:15-11:30
<u>Saeed Osouli</u> , Habibi Hakimzadeh, Nazila Kardan	An Investigation Of The Effect Of A Triangular Cogged Floor On The Wave Transmission Coefficient In Floating Breakwaters	11:30-11:45
<u>Amir Reza Zarnousheh Farahani</u> , Babak Ebrahimian	A Numerical Study On Dynamic Response Of Caisson Quay Walls With Improved Backfill	11:45-12:00
Prayer and Lunch		12:00-13:30



HALL A - SECOND DAY (10/05/2023)

PORT ENGINEERING AND COASTAL STRUCTURES
CHAIRMAN: Abbas Haghshenas

Authors	Title	Time
<u>Mohammad Hadi Moeini</u> , Majid Jandaghi Alaee, Habibollah Namdari	Investigating The Effect Of The Type Of Seabed Sediments On The Settlement Of Breakwater Materials	13:30-13:45
<u>Ali Pak</u> , Mohammad Mohammadnia, Naser Saadat khah	Experimental Study On The Stability Of Single-Layer Armour Units For Low-Crested/Submerged Breakwaters	13:45-14:00
Mohammad Jahani, Shore Shahnoori, Saeed Moradi, Moslem Zebardast, <u>Meysam khalifeh</u>	Durability Of A Sustainable Concrete Made With Persian Gulf's Water And Sea Dredged Sand (SWSSC) In Harsh Marine Environment	14:00-14:15
CLOSING CEREMONY		15:00-17:00

HALL B - SECOND DAY (10/05/2023)

Title	Time
Reception of guests	7:30-8:30
Keynote Speaker HALL A	8:30-9:00
Keynote Speaker HALL A	9:00-9:30

PORT AND COASTAL MANAGEMENT
CHAIRMAN: Ali Pak

Authors	Title	Time
Michael J. Risk, <u>Shadan Nasser</u> <u>Doust</u> , Mehrnosh Abbasian, S. Abbas Haghshenas	Site Selection Of Artificial Coral Reefs Using Hydrodynamic Properties Of The Water Body	9:30-9:45
Mohammad Jahani, Shore Shahnoori, <u>Saeed Moradi</u> , Moslem Zebardast	5-Years Field Exposure Study: The Deterioration Mechanisms For Improving The Sulfate Resistance, Pore Structure, And Chemical Compounds Of Swssc In Tidal Conditions	9:45-10:00
<u>Mohammadreza</u> <u>Gharibreza</u>	Conceptual Models For Developing Of Shoreline Management Plan Of Bushehr Province	10:00-10:15
<u>Omidreza Safiyari</u> , Fatemeh Ektafaei, Reza Ahmadian, Rasoul Ghanbari Maman	Offensive Risk Management Of The Caspian Coastal Zone From A Passive Defense Perspective	10:15-10:30
Coffee Break		10:30-11:00

PORT AND COASTAL MANAGEMENT
CHAIRMAN: Mohammadreza Charibreza

Authors	Title	Time
<u>Romina</u> <u>Yazdanmadad</u> , Ashkan Babazadeh, Abbas Alishahi	Risk Assessment Of The Out-Of-Service Of Dredging Equipment In Iranian Ports And Waterways Using The Bowtie Method	11:00-11:15
<u>Mohamad Javad</u> <u>Alizadeh</u> , Amin Eslami, Ali Chorbani	A Pso-Ann Model To Predict Liquefaction Potential Of Sandy Soils In Caspian Sea	11:15-11:30
Mohammad Hadi Bahmanpour, <u>Babak Banijamali</u> , Hamid Khalili, Rasoul Ghanbari, Ali Azimi, Mahya Hoseini, Shahin Mohebkhodaei, Mojtaba Hoseini Chavoshi	Estimation Of Sea Level Exceedance Probabilities Using Stationary And Non-Stationary Extreme Value Methods In The Caspian Sea	11:30-11:45
Homayoun Khoshrovan, <u>Parisa Poursafari</u> <u>Yekrang</u>	Comparison Of The Intensity Of Coastline Changes And Erosion Of The Main Ports On The Caspian Sea Coast	11:45-12:00
Prayer and Lunch		12:00-13:30



HALL B - SECOND DAY (10/05/2023)

PORT AND COASTAL MANAGEMENT
CHAIRMAN: Fereydoun Vafaei

Authors	Title	Time
<u>Masoud Sadeghpour-Monfared</u> , Iraj Rahmani, Ata Aghaei Araei	Presenting A Practical Solution For Using Dredged Soil Stabilized With Cement And A New Mineral Polymer Material	13:30-13:45
<u>Maryam Rasouli</u>	Ship Waste Management:challenges And Opportunities For Ports	13:45-14:00
<u>Mohammad Hadi Bahmanpour</u> , Babak Banjamali, Hamid Khalili, Rasool Ghanbari, Ali Azimi, Shahin Mohebkhodaei Mojtaba Hoseini Chavoshi Mahya Hoseini	A Zonation Study For Risk Of Occurance Of Rip Currents Along Southern Coasts Of Caspian Sea Using Hydrodynamic And Geomorphological Controls	14:00-14:15
<u>Ahmadreza Mostafagharabaghi</u> , Arefeh Emami	Application Of Thin Damping Plates In A Semi-Submersible Platform To Reduce Heave Motion Response	14:15-14:30
CLOSING CEREMONY		15:00-17:00

HALL C - SECOND DAY (10/05/2023)

Title	Time	
Reception of guests	7:30-8:30	
Keynote Speaker HALL A	8:30-9:00	
Keynote Speaker HALL A	9:00-9:30	
OFFSHORE AND PIPELINE ENGINEERING CHAIRMAN: Behrouz Asgarian		
Authors	Title	Time
<u>Kaveh Soleimani</u> , Mohammad Javad Ketabdari, Ataollah Gharechae	Investigating The Effect Of Heaving Point Absorber Geometrical Properties On Its Hydrodynamic Response	9:30-9:45
<u>Mohsen Abyani</u> , Mohammad Reza Bahaari	Presenting A Novel Methodology For Estimating The Failure Fragility Curves Of Corroded Offshore Pipelines	9:45-10:00
<u>Hamoun Alimoradi</u> , Ali Noorzad, Babak Ebrahimiyan	Numerical Investigation Of Bearing Capacity Of A Bucket Foundation In Sandy Soil	10:00-10:15
<u>Adib Amini</u> , Ahmadreza Mostafa Charabaghi	Two Degrees Of Freedom Vortex-Induced Vibration Responses Of Two Piggyback Pipelines At Low Mass-Damping Ratios	10:15-10:30
Coffee Break		10:30-11:00
OFFSHORE AND PIPELINE ENGINEERING CHAIRMAN: Mohammad Daghigh		
Authors	Title	Time
Amin Ghannadiasl, <u>Saeideh Ghaemifard</u>	Recent Developments In Surface Crack Extension In Offshore Pipe	11:00-11:15
Kaveh Soleimani, Mohammad Javad Ketabdari, <u>Kambiz Soleimani</u>	WCSPH Simulation Of Motion Response And Power Absorption Of A Heaving Point Absorber In The Persian Gulf	11:15-11:30
<u>Younes Eskandari galeh</u> , Behrouz Asgarian	Upheaval Buckling Analysis Of Subsea Pipelines Using Analytical Method	11:30-11:45
M. Ali Masoumi, <u>S. Mohammad Sadeqh Sahraeian</u> , Mohammad Amir Najafgholipour, Ali Shafiee	Evaluation Of Dynamic Performance Of Monopile Foundation Of Offshore Wind Turbines In Sandy Soil Using Numerical Modeling	11:45-12:00
Prayer and Lunch		12:00-13:30



HALL C - SECOND DAY (10/05/2023)

MARINE ENVIRONMENT AND SAFETY
CHAIRMAN: Jun Sasaki

Authors	Title	Time
<u>Akbar Rashidi</u> , <u>Ebrahim Hesari</u> , Seyed Shakib Asiaee Sahneh	Numerical And Field Study Of Nitrite And Nitrate Diffusion And Distribution With Urban Source In The Coastal Part Of Bandar Abbas In The North Of The Persian Gulf	13:30-13:45
<u>Majid Jandaghi</u> , <u>Alaee</u> , Meysam Bali, Hossein Nemati, Mohammad Hadi Moeini	An Artificial Channel, A Solution To Keep Gorgan Bay Alive	13:45-14:00
<u>Zohreh Faraji</u> , Ali Azimi, Rasoul Ghanbari Maman	Investigation Of Microbial Water Quality In Southern Of The Caspian Sea - Studies Of The Integrated Coastal Zone Management (ICZM) In The Northern Provinces Of Iran	14:00-14:15
<u>Karim Alizad</u> , James T. Morris, Scott C. Hagen	The Integrated Hydro-Mem Hydrodynamic-Ecological Model: A Wetlands Assessment Toolbox For Scientists And Stakeholders	14:15-14:30
CLOSING CEREMONY		15:00-17:00

HALL D - SECOND DAY (10/05/2023)

Title	Time	
Reception of guests	7:30-8:30	
Keynote Speaker HALL A	8:30-9:00	
Keynote Speaker HALL A	9:00-9:30	
PORT ENGINEERING AND COASTAL STRUCTURES CHAIRMAN: Ahmadreza Charabaghi		
Authors	Title	Time
<u>Mohammad Kazem Imani</u> , Mehdi Shafieifar, Mohammadreza Kiani, Habib Namdari	The Influence Of Sacrificial Rock Layer In Toe Stability Of Rubble Mound Breakwater	9:30-9:45
<u>Ali Ghasemi</u> , Mehdi Shafieifar, Mohammadreza Khosravi	Numerical Simulation Of Interaction Of Wave And Cassion Intersection	9:45-10:00
<u>Farshid Mennati Nezhad</u> , Kourosh Hejazi, Nima Ghomri, Hamid Reza Shirkavand	Numerical Modeling Of Wave Interaction With A Vertical Wall By Lattice Boltzmann Method (Lbm)	10:00-10:15
<u>Yasaman Ghafourian</u> , Mohsen Soltanpour, Babak Banijamali	The Damage Of Caspian Port Rubble Mound Breakwater	10:15-10:30
Coffee Break		10:30-11:00
MARINE ENVIRONMENT AND SAFETY CHAIRMAN: Naser Hajizadeh Zaker		
Authors	Title	Time
<u>Meisam Ebrahimi</u> , Ahmad Shanehsazzadeh, Reza Parsa	Self-Purification Capacity Of Chabahar Bay Subject To Desalination Plants Discharge	11:00-11:15
<u>Ali Azimi</u> , Alireza Riahi Bakhtiari, Roma Tauler	Polycyclic Aromatic Hydrocarbons Pollution And Source Identification In Surface Sediments Of Anzali Port	11:15-11:30
<u>Sanaaz Moradi</u> , Ali Moradi	Safety Risk Assessment Of Waterway Using "William Fine" Technique And "Shel Model" (Case Study Shahid Rajaei Approach Channel)	11:30-11:45
Prayer and Lunch		12:00-13:30
WORKSHOP		
Presented By	Title	Time
Iranian Association of Naval Architecture & Marine Engineering: <u>Mohammad Daghig</u>	Application Of Integrity Assessment In Design And Analyzihafezis Of Offshore Pipelines	13:30-14:30
CLOSING CEREMONY		15:00-17:00

