



18 Feb 2018, Sunday

1630 – 1830

REGISTRATION

19 Feb 2018, Monday

0830-0930

REGISTRATION

0930-1030

INAUGURATION

1030-1100

TEA BREAK

TECHNICAL PROGRAM

1100-1130

KEYNOTE -1 : Automation in Coastal science and Engineering

Prof. Manhar Dhanak, Florida Atlantic University, USA

(Auditorium)

1130 – 1250

TECHNICAL SESSION 1- 4

TS01: MARINE VEHICLES AND FLOATING SYSTEM-1

(AUDITORIUM)

CHAIR: Prof. Manhar Dhanak, FAU, USA

1130

Response Control of FPSO using Multiple Tuned Liquid Dampers

G Saravanan, Deepak Kumar, Ruchi Saraswat

1150

High Speed simulation in Towing Tank for Dynamic Lifting Vessels

N Naga Venkata Rakesh, P Lokeswararao , V Anantha Subramanian

1210

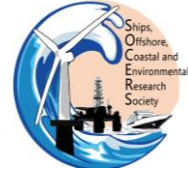
Risk and Reliability Assessment of Marine Risers Operating In Harsh Ocean Environment

Rizwan Ahmad Khan, Suhail Ahmad

1230

Coupled Boundary Element Method and Finite Element Method for Hydroelastic Analysis of Floating Plate

Anoop I Shirkol, T Nasar



**TS02: COASTAL, SEDIMENT AND HYDRODYNAMICS - I
(HALL-1)**

CHAIR: Prof Dominic Reeve, Swansea University, UK

1130	Statistical Analysis of Coastal Currents from HF Radar along the North-Western Bay of Bengal <i>Samiran Mandal, Saikat Pramanik, Subrota Halder, Sourav Sil</i>
1150	Numerical Modelling and Experimental Investigation on the Effect of Wave Attenuation due to Coastal Vegetation <i>S Hemavathi, R Manjula, N Ponmani</i>
1210	Studies on the morphological changes by numerical modeling along Kakinada coast <i>N.Sharmila, R Venkatachalapathy, M Mugilarasan</i>
1230	Desk Studies and Modeling Sedimentation Pattern in Gulf of Khambhat <i>L R Ranganath, A V Sriram, M Karthikeyan</i>

**TS03: COMPUTATIONAL MODELLING - I
(HALL- 2)**

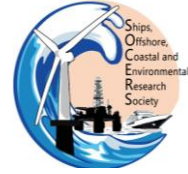
CHAIR: Prof. Qingwei Ma, City, University of London, UK

1130	Multi-directional Irregular Wave Modelling with CFD <i>Weizhi Wang, Hans Bihs, Arun Kamath, Øivind Asgeir Arntsen</i>
1150	Numerical Study of Superposition Principle for Surface Gravity Waves <i>Alok Khaware, Vinay Kumar Gupta, Alok Khaware, Ashok Sivanandham, KVSS Srikanth.</i>
1210	Numerical Modelling of Hydrodynamic Impact of Tsunami on Coastal Structures in the presence of Curved seawall <i>Aditya Gupta, Manasa R Behera, Amin Heidaropur</i>
1230	Numerical study on secondary flow characteristics after dual stepped cylinder at low Reynolds number <i>Junxian Wang, Qingwei Ma, Shiqiang Yan</i>

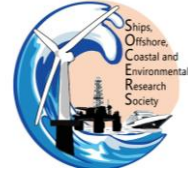
**TS04: OCEAN RENEWABLE ENERGY I
(HALL-3)**

CHAIR: Prof. Felice Arena, NOEL, Italy

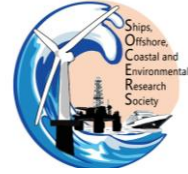
1130	Study on Suitable Electrode for Energy Harvesting using Galvanic Cell in Seawater <i>G Nithya Sivakami, V T Perarasu, S Sakthivel Murugan</i>
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1150	Surrogate-based Optimization of a Biplane Wells Turbine <i>Tapas K Das, Abdus Samad</i>
1210	Tidal energy estimation of potential tidal inlets along the east coast of India <i>Vikas Mendi, N Amarnatha Reddy, Jaya Kumar Seelam, Subba Rao</i>
1230	Wave energy conversion by multiple bottom-hinged surging WEC <i>Akshay Kumar Kummawat, D Karmakar, Carlos Guedes Soares</i>
1250-1345	LUNCH BREAK
1345-1415	KEYNOTE -2: Modernization of Ports Prof. R. Sundaravadivelu, IIT Madras, India. Auditorium
1415 -1535	TECHNICAL SESSION 5-8
TS05: MARINE VEHICLES AND FLOATING SYSTEM- II (AUDITORIUM) CHAIR: Prof. Felice Arena, NOEL, Italy	
1415	Hydroelasticity Analysis of a Container Ship Using a Semi Analytic Approach and Direct Coupling Method in Time Domain <i>Sumit Kumar Pal, Debasmith Sengupta, Ranadev Datta, Debabrata Sen</i>
1435	Numerical study on the influence of head wave on the hydrodynamic derivatives of a container ship <i>T V Rameesha, P Krishnankutty</i>
1455	Retro-fitting integrated wedge-flap for improvement of resistance of High-speed Displacement Vessel <i>Lijo Joseph, V Anantha Subramanian</i>
1515	Numerical Estimation of Underwater Radiated Noise of a Marine Propeller in non-cavitating regime <i>Abhishek Kumar Tewari, Vijit Misra, Vijaykumar Rajagopalan</i>
TS06: COASTAL, SEDIMENT AND HYDRODYNAMICS -II (HALL-1) CHAIR: Prof. Arkal Vittal Hegde, NITK Surathkal, India	
1415	Wave climate and near shore sediment transport pattern along southeast coast of India <i>V Ranga Rao, Akhil Kollu, K Stephen Raju, D Kumaresan</i>
1435	Non-dimensional classification of Tidal inlets along Central west coast of India <i>N Amarnatha Reddy, Vikas Mendi, Jaya Kumar Seelam, Subba Rao</i>



1455	Study of Dynamic Changes through Geoinformatics Technique: A case study of Karwar Coast, West Coast of India <i>Arunkumar Yadav, B M Dodamani, G S Dwarakish</i>
1515	An Experimental Study on Surface Wave Modulation due to Viscoelastic Bottom <i>Dharma Sree, Adrian Wing-Keung Law, Hayley H. Shen</i>
TS07: COMPUTATIONAL MODELLING - II (HALL- 2) CHAIR: Dr. Shiqiang Yan, City, University of London, UK	
1415	Modelling of wave interaction with porous structures using Boussinesq equations <i>Shagun Agarwal, V Sriram, K Murali</i>
1435	Breaking focused waves generated using the transient wave packet method and the breaking impact forces on a vertical cylinder <i>Arun Kamath, Mayilvahanan Alagan Chella, Hans Bihs</i>
1455	Effect of Emerged Coastal Vegetation on Wave Attenuation Using Open Source CFD Tool: REEF3D <i>P A Abhijith, H S Arunakumar, Praveen Suvarn , Ashwin S Prabhu, U Pruthviraj, Arun Kamath</i>
1515	Assessment of Nonlinear Quadruplet Interactions for Measured Spectra in Deep Waters on the East Coast of India through Gauss Legendre Quadrature Method <i>M Kalyani , M Kamalakannan, V Prabhakar, Basantakumar Jena, R Venkatesan</i>
TS08: OCEAN RENEWABLE ENERGY - II (HALL-3) CHAIR: Prof. Richard Manasseh, Swinburn University, Australia	
1415	Optimal Design of a Marine Current Turbine using CFD & FEA <i>Lava Kush Mishra, T Karthikeyan, Abdus Samad</i>
1435	Offshore Energy for the Remote Islands of Lakshadweep <i>K Srilakshmi, Satya Kiran Raju Alluri, Manu</i>
1455	Control Oriented Wave to Wire Model of Oscillating Water Column <i>R Suchithra, Abdus Samad</i>
1515	Hysteresis Behavior for Wave Energy Conversion Device under Alternative Axial Flow Conditions <i>Tapas K Das, Paresh Halder, Abdus Samad, Mohaned H Mohamed</i>
1535-1600	TEA BREAK



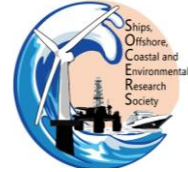
1600-1740

TECHNICAL SESSION 9-12

**TS09: MARINE VEHICLES AND FLOATING SYSTEM-III
(AUDITORIUM)**

CHAIR: Dr. Shiqiang Yan, City, University of London, UK

1600	Estimation of Hydrodynamic Derivatives from Sea Trial Data Using System Identification Technique <i>K O S R Ravisekhar Radhakrishna, R Panneer Selvam</i>
1620	Marine Vehicles and Floating Systems Effect of Forward Speed on Roll Damping of a Container Ship using URANS Simulations <i>Mohsin A R Irkal, S Nallayarasu, S K Bhattacharyya</i>
1640	Design and analysis of a carbon composite propeller for podded propulsion <i>Ashok Kumar, G Lal Krishna, V Anantha Subramanian</i>
1700	Passing Vessel Effect on Mooring System of a Berthed Ship – A Case Study at Jawahar Dweep Berth No: 5, Mumbai Port <i>V Nandhini, Keshav Sundar, S Nallayarasu</i>
1720	Hydrodynamic Study on the Performance Evaluation of Flapping Foils in Open Water Condition <i>Anties K Martin, B K Alok, P Krishnankutty, P Ananthakrishnan</i>
TS10: COASTAL SEDIMENT AND HYDRODYNAMICS -III (HALL-1)	
CHAIR: Prof. Subba Rao, NITK, India	
1600	Spectral AB Simulations for Coastal and Ocean Engineering Applications <i>E Van Groesen, R Kurnia, P Turnip</i>
1620	Nearshore Hydrodynamics Near an Open Coast Harbour at Gopalpur, Central East Coast of India <i>P Mishra, U K Pradhan, P K Mohanty, U S Panda, M V Ramana Murthy</i>
1640	Computation of Sediment Transport - A Review <i>Hradaya Prakash, Balkrishna Shankar Chavan</i>
1700	Improving Hydraulic Conditions to Preserve Mangroves at Hazira <i>V B Sharma, A K Singh, Prabhat Chandra</i>
1720	Hydrodynamic modeling for development of a port in an estuary <i>A K Singh, L R Ranganath, M Karthikeyan</i>



**TS11: COMPUTATIONAL MODELLING - III
(HALL- 2)**

CHAIR: Prof. Qingwei Ma, City, University of London, UK

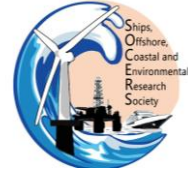
1600	Prediction of Motions and Wave Induced Loads on a Container Ship Using Nonlinear 3D Time Domain Panel Method <i>R Datta, C Guedes Soares</i>
1620	CFD study of regular waves on a jacket structure <i>Ankit Aggarwal, Hans Bihs</i>
1640	Computational Study on the Hydrodynamic Effects of Interceptors Fitted to the Transom of Planning Vessels <i>Suneela Jangam, V Anantha Subramanian, P Krishnankutty</i>
1700	Numerical Modelling of Scour around an Offshore Jacket Structure using REEF3D <i>Nadeem Ahmad, Hans Bihs, Arun Kamath, Øivind A Arntsen</i>
1720	Numerical Modelling of Bed shear stress in OpenFOAM <i>V Nandakumar, V Sriram, Jaya Kumar Seelam</i>

TS12: OCEAN RENEWABLE ENERGY -III(HALL-3)

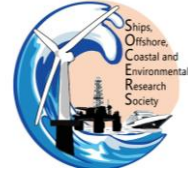
CHAIR: Prof. Shin Hyung Rhee, Seoul National University, Korea.

1600	Ocean Current Measurements and Energy Potential in the Islands of Andaman <i>Biren Pattanaik, D Nagasamy, Yvn Rao, Balaji Chandrakanth, Nitinesh Awasthi, Abhijeet Sajjan, D Leo, Prasad Dudhgaonkar, Purnima Jalihal</i>
1620	Explicit structural response-based methodology for assessment of operational limits for single blade installation for offshore wind turbines <i>Amrit Shankar Verma, Yuna Zhao, Zhen Gao, Nils Petter Vedvik</i>
1640	Influence of Harbour Wall on Pressure Variation in an Oscillating Water Column <i>D Daniel Raj, V Sundar, S A Sannasiraj</i>
1700	Evaluation of Natural Period of Offshore Tension Leg Platform Wind Turbine Experimental Studies <i>Madhuri Seeram, G Satya Sravya, K Venkateswara Rao</i>
1720	Open Sea Trials on Floating Wave Energy Device Backward Bent Ducted Buoy and its Performance Optimization <i>Biren Pattanaik, D Nagasamy, A Karthikeyan, D Leo, V Y Narasimha Rao, K S Sajeev, Prasad V Dudhgaonkar, Purnima Jalihal</i>
1815	LEAVE FOR CONFERENCE WELCOME RECEPTION

20th FEB 2018, Tuesday



0900-1020		TECHNICAL SESSION 14-17
TS13: MARINE VEHICLES AND FLOATING SYSTEM-IV (AUDITORIUM) CHAIR: Prof. P. Krishnankutty, IIT Madras, India		
9:00	Numerical Study of Water Depth Effect on Sway Velocity and Rudder Derivatives of a Container Ship in Manoeuvring <i>Akhil Balagopalan, P Krishnankutty</i>	
9:20	Numerical investigation of influence of Micro Bubble injection, distribution, void fraction and flow speed on frictional drag reduction <i>Sudhir Sindagi, R Vijaykumar, Somanath Nirali, B K Saxena</i>	
9:40	Hydroelastic Responses of a Pontoon Type VLFS in Different Water Depths <i>S Somansundar, R Panneer Selvam</i>	
10:00	Effect of slamming and green water on short term distribution of vertical bending moment of a containership in abnormal waves <i>Suresh Rajendran, C Guedes Soares</i>	
TS14: COASTAL SEDIMENT AND HYDRODYNAMICS-IV (HALL-1) CHAIR: Prof. V Sundar, IIT Madras, India		
9:00	Effect of the Sensitivity of Wind Drag Coefficient on Storm Surge Modelling for Tropical Cyclone <i>C Gowri Shankar, Manasa Ranjan Behera, P Vethamony</i>	
9:20	Tidal Circulation Studies using Regional Model in the Bay of Bengal <i>Saikat Pramanik, Samiran Mandal, Abhijit Shee, Subrota Halder, Sourav Sil</i>	
9:40	Wave interaction with multiple submerged porous structures <i>V Venkateswarlu, D Karmakar</i>	
10:00	Application of an efficient numerical model for CO2 sequestration in deep saline aquifers <i>M R Behera, P Dinesh, P G Ranjith, N Muthu</i>	
TS 15: COMPUTATIONAL MODELLING- IV (HALL- 2) CHAIR: Prof. E. Van Groesen, University of Twente, Netherlands		
9:00	Fully-coupled Aero-hydrodynamic Simulation of Floating Offshore Wind Turbines with Overset Grid Technology	



	<i>Ping Cheng, Decheng Wan</i>
9:20	A parallelized inflow boundary based numerical tank: performance on individual SMA nodes <i>Shaswat Saincher, Sagar Dave, Chetan Anghan, Jyotirmay Banerjee</i>
9:40	Simulation of Floating Bodies in Waves and Mooring in a 3D Numerical Wave Tank using REEF3D <i>Tobias Martin, Arun Kamath, Hans Bihs, Øivind Asgeir Arntsen</i>
10:00	Evaluation of Hydrodynamic Performance of Quarter Circular Breakwater Using Soft Computing Techniques <i>N Ramesh, A V Hegde, Subba Rao, N Vivekanandan</i>
TS 16: OCEAN RENEWABLE ENERGY-IV (HALL-3) CHAIR: Prof. Torgeir Moan, NTNU, Norway	
9:00	Numerical investigation of semi-submersible floating wind turbine combined with flap-type WECs <i>Akshay Kumar Kumawat, D Karmakar, C Guedes Soares</i>
9:20	Interaction of Wave with an Array of Open Caisson <i>Yan-Xiang Lin, Da-Wei Chen, Jiahn-Horng Chen</i>
9:40	Effects of Power Take-Off Damping and Model Scaling on the Hydrodynamic Performance of Oscillating Water Column Device <i>John Ashlin Samuel, Sannasiraj S A, Sundar V, Arun Kamath, Hans Bihs</i>
10:00	Offshore wind energy potential assessment of India based on synergetic use of QuikSCAT, OSCAT and ASCAT scatterometers data <i>Surisetty V V Arun Kumar, Jagdish Prajapati, Raj Kumar</i>
1020-1045	TEA BREAK
1045-1115	KEYNOTE -3: Advances in Multi scale Multi model Simulation in Marine Engineering Prof. Qingwei Ma, City, University of London, UK Auditorium
1115-1145	KEYNOTE -4: Wave overtopping in the UK during the Winter of 2013/14 Prof. Dominic Reeve, Swansea University, UK. Auditorium



**TS 17: MARINE VEHICLES AND FLOATING SYSTEM-V
(AUDITORIUM)**

CHAIR: Prof. Anantha Subramaniam, IIT Madras, India

1145	Vibration control of large floating offshore structures by means of damping plates: a case study <i>Felice Arena, Carlo Ruzzo, Vallam Sundar</i>
1205	Role of elasticity in the energy dissipation characteristics of submerged elastic plate in waves <i>M Thayapraba, K Murali, V Anantha Subramanian</i>
1225	EXPERIMENTAL INVESTIGATION ON EFFECT OF SUBMERGED SOLID Baffle IN A BARGE CARRYING LIQUID SLOSHING TANK <i>T Nasar, S A Sannasiraj</i>
1245	Development of Controller for Robotic Fish <i>A M Aminur R B, M P R Prasad</i>

**TS18: COASTAL SEDIMENT AND HYDRODYNAMICS - V
(HALL-1)**

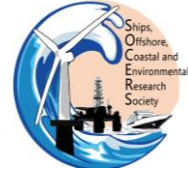
CHAIR: Dr. Yana Saprykina, Shirshov Institute of Oceanology, Russia.

1145	Beyond the data range approach to soft compute the reflection coefficient for emerged perforated semicircular breakwater <i>Amit Vijay Wazerkar, Suman Kundapura, Arkal Vittal Hegde</i>
1205	Design of a Reef for Coastal Protection <i>P V Chandramohan</i>
1225	Assessment of Littoral Drift and Shoreline Changes for Fisheries Harbour on East Coast of India <i>S N Jha, J Sinha</i>
1245	Impact of Flow Driven Debris on Coastal Structure during Tsunami Bore <i>S Harish, V Sriram, V Sundar, S A Sannasiraj, I Didenkulova</i>

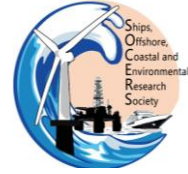
**TS 19- Offshore Structures and Deepwater Technology - I
(HALL-2)**

CHAIR: Prof. Ove Tobias Gudmestad, University of Stavanger, Norway

1145	Hull-tether dynamics of deep water tension leg platforms under steep regular waves <i>R Jayalekshmi, R Sundaravadivelu, V G Idichandy</i>
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1205	Residual Strength of Cracked Tubular Joint using Nonlinear Finite Element Analysis <i>N Vignesh Chellappan, S Nallayarasu</i>
1225	Wave transformation due to floating elastic thick plate over changing bottom topography <i>K.M Praveen, D Karmakar</i>
1245	Developing the Installation methodology for Monopile of offshore wind turbine in high tidal environment along Indian coast <i>Devender Gujjula, Satya Kiran Raju Alluri, G Dhinesh, R Panneer Selvam, M V Ramana Murthy</i>
TS 20- Port, Harbour and Coastal Structures - I (HALL-3) CHAIR: Dr. T. Nasar, NITK, India.	
1145	Comparative Study of Breaking Wave Forces on a Quasi- Prototype Recurved Seawall <i>R Ravindar, V Sriram, Stefan Schimmels, Dimitris Stagonas</i>
1205	Optimisation of Layout of Semi-Enclosed Basin in Micro Tidal Region to Minimise Siltation for Mega ship by FEM <i>Anil Anant Purohit, Mandar Mohan Vaidya</i>
1225	Evolving Fishing Harbour Layout by Wave Tranquility Study using Mathematical Model - A Case Study <i>J D Agrawal, H C Patil, Sagar Chanda, T Nagendra</i>
1245	Shoreline change associated with coastal structures at Gopalpur port, Odisha, east coast of India <i>Prabin Kumar Kar, Pratap Kumar Mohanty, Shraban Kumar Barik, Balaji Behera</i>
1305-1400	LUNCH BREAK
1400-1430	KEYNOTE -5: Recent Advances in the Analysis and Design of Floating Wind Turbines Prof. Torgeir Moan, NTNU, Norway Auditorium
1430-1500	KEYNOTE -6: Waiting On suitable Weather (WOW) to perform marine operations Prof. Ove Tobias Gudmestad, University of Stavanger, Norway Auditorium



**TS 21- Climate change and its impact
(AUDITORIUM)**

CHAIR: Prof. MC Deo, IIT Bombay, India.

1500	Multi-decadal fluctuations of storminess of Black Sea due to teleconnections patterns on the base of modelling and field wave data <i>Sergey Kuznetsov, Yana Saprykina, Nikolay Valchev</i>
1520	Climate Change Impact on Design Waves using Climate Models <i>M C Deo, Pooja Jain</i>
1540	Beach Morphology near inlet of Chilika Lagoon <i>Subhashis Pradhan, Pratap K. Mohanty, Rabindro Nath Samal, Rabindra Kumar Sahoo, Rakesh Baral, Shraban K Barik, Madan M Mahanty, Suijt Mishra</i>
1600	Study of Bamboo Bandalling Structures in the Tidal River for the River Bank Erosion Protection <i>Md. Lutfor Rahman</i>

**TS 22-AUVs, ROVs and Underwater systems
(Hall 1)**

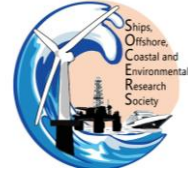
CHAIR: Prof. P. Ananthkrishnan, IIT Madras, India

1500	Exploration of Fuzzy C-Means and K-Mean clustering algorithm with Empirical Mode Decomposition for Feature Extraction of Underwater Images <i>S Sakthivel Murugan, M Somasekar, N Padmapriya</i>
1520	Embedded system design for autonomous Unmanned Surface Vehicles (UMVs) <i>Awanish C Dubey, V Anantha Subramanian, V Jagadeesh Kumar</i>
1540	Design and Development of Unmanned Underwater and Aerial Vehicle <i>A Palaniappan, P Ganesh, S B Pranesh, D Sathianarayanan, G A Ramadass</i>
1600	Effect of Rudder and Roll Control Mechanism on Path Prediction of Autonomous Underwater Gliders <i>R V Shashank Shankar, R Vijayakumar</i>

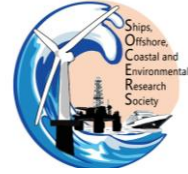
**TS 23: OCEAN RENEWABLE ENERGY-V
(HALL-2)**

CHAIR: Dr. J. Purnima, NIOT, India

1500	Hydrodynamic study of flow past cylinders with different diameters at high Reynolds number <i>K Narendran, K V K Vinay, K Murali, S Kaushik</i>
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1520	Experimental study on heave and yaw motions of a 1:30 spar support for offshore wind turbines <i>Carlo Ruzzo, Nilanjan Saha, Felice Arena</i>
1540	Performance simulation of wave powered navigational buoy using CFD and Experimental study <i>Ashwani Vishwanath, Nitinesh Awasthi, Purnima Jalihal, Prasad Dudhgaonkar</i>
1600	Performance evaluation of floating two-body wave energy converter with hydraulic PTO <i>Sudharsan Kalidoss, Arindam Banerjee</i>
16:20	Pitch Motion Studies of ITI Energy Barge Floater 5-MW NREL Offshore Wind turbine with Single Axis Gyrostabilizer using Simulink <i>P Manmathakrishnan, R Panneerselvam</i>
T 24: OCEAN MODELLING (Hall 3) CHAIR: Dr. Shreenivas Londhe, VIIT Pune, India	
15:00	Estimation and Analysis of Extreme Maximum Wave Heights <i>S Satish, S A Sannasiraj, V Sundar</i>
1520	Ocean Wave Forecasting: An Indian Case Study <i>Pradnya Dixit, Shreenivas Londhe, T M Balakrishnan Nair</i>
1540	Seasonal Variability of Circulation along the North East Coast of India using Princeton Ocean Model <i>P S Swathy Krishna, Hari V Warrior</i>
1600	Water Level Forecasting using Neuro Wavelet Technique <i>Pradnya Dixit, Shreenivas Londhe, T M Balakrishnan Nair</i>
1620	Seasonal and inter-annual variations in wave characteristics of Vizhinjam, South west coast of India <i>Sisir Kumar Patra, B K Jena, V Suseentharan, M V Ramanamurthy</i>
1650	BEST PAPER AWARD - COMMITTEE MEETING Hall 3
TS 25- SPECIAL SESSION –I (HALL-1) CHAIR: Prof. S.A. Sannasiraj, IIT Madras, India	
1620	Impact of SARAL/Altika Data Assimilation in A Coastal Ocean Wave Model Using Particle Filter Technique <i>Suchandra A Bhowmick, Raj Kumar</i>



1640	A Study to Identify Locations Suitable of Deep Sea Port Operations in the State of West Bengal <i>Bal Krishna, B Chaudhuri, P K Bhaskaran</i>
1700	Role of Indian remote sensing systems in Blue economy <i>Raj Kumar</i>
1720	Natural and engineered passive bubble acoustics emissions in the ocean environment <i>Richard Manasseh</i>
1740	Measurement of Surf zone Hydrodynamics along the coastline of Pondicherry, India <i>R Balaji, M V Ramana Murthy, J Satheeshkumar</i>
TS 26 - Floating Systems (HALL-2) CHAIR: Dr. Vijay Kumar, IIT Madras, India	
16:40	Design Approach for reducing the wave added resistance by hull form optimisation <i>Sanchana M Kumar, R Vijayakumar, V V S Prasad</i>
17:00	Hydrodynamic aspects of Turrent Moored FPSO <i>G Balakrishnan Nair(retd) Saipem India Projects Private ltd</i>
17:20	Duct optimisation and performance evaluation using CFD for the refer container hold <i>Elangovan Muniyandy, Ananth Kumar, Sunil Arora</i>
17:40	Technological trends for Ocean research vessels <i>Nitin Agarwala</i>
TS 27 - Special Session on Dredging and Port development (Auditorium) CHAIR: Mr. Murugadoss, Mumbai Port. Co-CHAIR: Mr. TN. Krishnamurthy, Andaman and Lakshadweep Harbor works.	
16:20	Design and Construction Challenges in Marine Projects under EPC Mode -A Case Study <i>Sagi Surya</i>
16:40	Pre-coating in marine structures <i>Morten Sorensen</i>
17:00	Cost of Port Development in India-Case Studies <i>R Sundaravadivelu</i>



17:20	Rock Dredging <i>Janakaraj Thomas</i>
17:40	Construction Methodology in Ports- Reclamation, Piles, Diaphragm walls and removal of old Concrete Monoliths <i>Jeyanta Basu</i>
1820	LEAVE FOR CONFERENCE BANQUET

21st FEB 2018, Wednesday

0900-1020

TECHNICAL SESSION

TS 28-MARINE FOUNDATION I (AUDITORIUM)

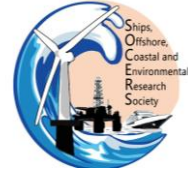
CHAIR: Prof. S A Sannasiraj, IIT Madras, India

9:00	Vertical Pull-Out Capacity of Torpedo Anchors <i>S Keerthi Raaj, R Sundaravadivelu, Nilanjan Saha</i>
9:20	Design of piles for a berthing structure on Artificial Slope <i>S V Sivapriya, R Sundaravadivelu, S R Gandhi</i>
9:40	Development of Predictive Tool for Coastal Erosion in Arctic; A Review <i>Raed Lubbad, Mohammad Saud Afzal</i>
10:00	Numerical Study of the Behaviour of Pipe Sheet Pile Wall and Diaphragm Wall in Vertical Face Berthing Structure <i>P Kavitha, R Sundaravadivelu</i>

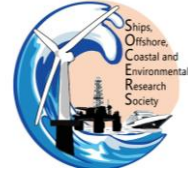
TS 29-Petroleum Engineering & Technology I (HALL-1)

CHAIR: Prof. V. Sundar, IIT Madras, India

9:00	Estimating belowground Free Phase Gas (FPG) in tropical peatlands of South West Coast of India using Ground Penetrating Radar (GPR) <i>K Devi, Rajesh R Nair</i>
9:20	Integrating, Predicting and Preventing Flow Assurance Issues – A Review <i>Anchit Khanna, Samarth Patwardhan</i>
9:40	Coupled Flow and Geomechanics Model for CO ₂ Storage in Tight Gas Reservoir <i>Awez Hanegaonkar, Tapan Kidambi, G Suresh Kumar</i>
10:00	Effect of Nanocellulose as an additive in cement <i>Vignesh Shenoy, Sanjay Joshi, Mikhil Dange</i>



10:20	Analyzing the Physical and Chemical Properties of Water Column Nutrients and Sediments along Southeast Coast of India <i>G Annalakshmi, S Sakthivel Murugan</i>
TS 30- Offshore Structures and Deepwater Technology II (HALL-2) CHAIR: Dr. J. Purnima, NIOT, India	
9:00	Multi objective optimization of offshore jacket structure <i>Vishnu Murali, S K Bhattacharyya</i>
9:20	Analysis and Design of Guyed 120 m Long Offshore Met Mast Supported on Suction Piles <i>Mounika Mallela, C R Suribabu, Satya Kiran Raju Alluri, M V Ramanamurthy</i>
9:40	Dynamic Behavior of Inverted Catenary Cold Water Pipelines for Seawater Desalination Project <i>R Saravanan, S K Bhattacharya, M V Ramanamurthy</i>
10:00	Optimization Study of Eight Legged Fixed Offshore Jacket Platform <i>V Suryaprakash, N Sunil Kumar</i>
TS 31-Safety, risk and reliability including environment (HALL-3) CHAIR: Prof. R. Panneerselvam, IIT Madras, India	
9:00	Spatial and Temporal Variability of Some Coastal Water Parameters at Selected Locations on East Coast of India <i>R Gayathri, V Ranga Rao, P Madeswaran, V Padmavathi, R ManjuPriya, M Arunvel, S R Kishore Baabu</i>
9:20	Laboratory Investigations on the Effect of Fragmentation and Heterogeneity of Coastal Vegetation in Wave Height Attenuation <i>Kiran G Shirlal, Beena Mary John, Subba Rao</i>
9:40	Environmental challenges and opportunities in marine engine heavy fuel oil combustion <i>Abdul Gani Abdul Jameel, Abdulrahman Alkhateeb, Selvedin Telalovic, Ayman M Elbaz, William L Roberts, S Mani Sarathy</i>
10:00	Energy Analysis of Auxiliary Boiler for Marine Application <i>Jitendra Singh Pal, S N Sapali, T R Anil</i>
1020-1045	TEA BREAK
1045-1115	KEYNOTE -7: Research on Tidal Stream Turbine at Seoul National University Towing Tank Prof. Shin Hyung Rhee, Seoul National University (Auditorium)



1115-1145	<p align="center">KEYNOTE -8: Long-term statistics for extreme waves during sea storms in space-time domain</p> <p align="center">Prof. Felice Arena, Mediterranea University of Reggio Calabria, Italy Auditorium</p>
<p align="center">TS 32- Port, Harbour and Coastal Structures III (Auditorium) CHAIR: Prof. Jiahn-Horng Chen, National Taiwan Ocean University, Taiwan</p>	
1145	<p>Experimental Studies on Hydrodynamic Performance Of An Artificial Reef <i>Loksha, S A Sannasiraj, V Sundar</i></p>
1205	<p>Prediction of Wave transmission over a outer submerged reef of Tandem breakwater using RBF based Support Vector Regression technique <i>Geetha Kuntoji, Subba Rao, Manu</i></p>
1225	<p>LAYOUT, FOUNDATION DESIGN AND DREDGING METHODOLOGY OF MULTIPURPOSE TERMINAL <i>R.Sundaravadivelu, M Sasirekha, S Kreesa Kumaran, S M Madhumathy</i></p>
1245	<p>Assisting Pumps for Dredging <i>Mridul K Sarkar, Sritama Sarkar</i></p>
<p align="center">TS 33- Petroleum Engineering & Technology - II (Hall 1) CHAIR: Prof. G Suresh kumar, IIT Madras, India</p>	
1145	<p>Modeling Investigations on Sorption of Petroleum Hydrocarbons to Clay Minerals in a Saturated Porous Aquifer <i>Renu Valsala, G Suresh Kumar</i></p>
1205	<p>Experimental and Numerical Investigations on in situ Chemical Oxidation Model for Groundwater Contaminated with Petroleum Hydrocarbons <i>N Aarthi, D Ashwin, S Gokulprasath, M Vasudevan, N Natrajan, G Suresh Kumar</i></p>
1225	<p>Numerical Modelling of Enhanced Mobility of Petroleum Hydrocarbon in Saturated Porous Media <i>Berlin Mohanadhas, G Sureshkumar</i></p>
1245	<p>Mathematical Modeling and Analysis of Nano-Dust Explosion <i>Adnan Deshmukh, Samarth Patwardhan, Nilesh Sakpal, Akshay Agwan, Sagar Wakale</i></p>



**TS 34:COASTAL SEDIMENT AND HYDRODYNAMICS VII
(HALL-2)**

CHAIR: Prof Dominic Reeve, Swansea University, UK

1145	Wave Transformation Around Submerged Breakwaters made of Rubble Mound and those made of Geosynthetic Tubes- A Comparison Study for Kadalur Periakuppam Coast M Kalyani, A S Kiran, Vijaya Ravichandran, V Suseentharan, Basanta Kumar Jena, M V Ramanamurthy
1205	Study on stability of Eden navigational channel in Hooghly river estuary N Saichenthur, K Murali, V Sundar
1225	Simulation of Littoral Drift and Shoreline Changes in High Littoral Zone at Ennore, East Coast of India R Manivanan, J D Agrawal, T Nagendra
1245	Study on maintenance dredging for navigable depth assurance in the macro-tidal Hooghly Estuary V Maheshvaran, V. Sundar, K. Chitra

**TS 35-MARINE FOUNDATION II
(Hall -3)**

CHAIR: Dr. M. Behera, IIT Bombay, India.

1145	Field and Numerical Study of Vibration on Existing Berthing Structure Due to Pile Driving Jeena Mary John, R Sundaravadivelu, Nilanjan Saha
1205	Alternative Foundation Methods for Upgradation of Oil Jetty J Bharath Priyan, R Sundaravadivelu, S Sakthivel, S Srinivasalu, A Chitra
1225	Influence of grouser geometrical parameters of deep sea crawler vehicle on soft clays C Janarthanan, K Gopkumar, V Sundaramoorthi, N R Ramesh, G A Ramadass
1245	Testing of Soft Clays using Bevameter C Janarthanan, K V Reshma, V Sundaramoorthi, K Jayanthi, B O Viswanath, P Muthuvel, K Gopkumar, G A Ramdass

1305-1335

VALEDICTORY FUNCTION

1335-1435

LUNCH BREAK

1435

TECHNICAL TOUR

17:00

SOCER Society - Annual meeting & Dinner

