



# TECHNICAL PROGRAMME

MONDAY 20 FEBRUARY 2012

0900-1015

KEYNOTE LECTURES

Auditorium(IC&SR Building, IIT MADRAS) Chair: Geoffroy Caude

0900	THE SCIENCE OF CLIMATE CHANGE: CHALLENGES FOR THE MARITIME INDUSTRY <i>Dr. R. K. Pachauri, I.P.C.C. Chairman</i>
0935	PORT DEVELOPMENT IN INDIA <i>Mr.R.Shrivastava, Joint Secretary, Ministry of Shipping, Govt. Of India.</i>

1100-1240

TECHNICAL SESSIONS 1-4

20 Feb

## TS01: COASTAL SEDIMENTS AND HYDRODYNAMICS– I (AUDITORIUM) Chair: M.J.F Stive

1100	Morphological response of the São Francisco River mouth due to sediment retention in dams <i>Bandeira, J. E.G.Gentil de Farias, J.A.Lorenzetti, L.H.Salim</i>
1125	Coastal protection measures at Wudam Al Sahil in Musannah <i>Dissanayake, S., M.D.V.S. Dharmadasa, M. Fernando, K.Raveenthiram</i>
1150	Cros-Shore sediment transport comparing model and large water tank data <i>Absalonsen, L., Robert. G. Dean..</i>
1215	Shoreline Modelling Adaptations for Massive Sand and Gravel Discharges on an Exposed Shoreline <i>Smith, G., P. Wet, G.Diedericks, C.Soltaru</i>

## TS02: COASTAL RISK MANAGEMENT– I (HALL – 1) Chair: Ahmet Cevdet Yalciner

1100	Hindcast and seasonal characterization of wind waves for the year 2008 at the Marine Terminal Ponta de Ubu - Brazil <i>Chacaltana. J.T.A., V. Innocentini, I.C. M. Nogueira</i>
1125	A Study on the Freak Waves Observed in Field Measurements <i>Doong, D.J., L.H. Tseng, C.C. Kao</i>
1150	A Monte Carlo based method for estimation of extreme prediction of wave heights <i>N.Saha, S A Sannasiraj</i>
1215	Extreme Wave Occurrences off the Southern Coast of Sri Lanka <i>Gunaratna, P.P., T.A.N. Sugandika, D.P.L. Ranasinghe</i>

## TS03: COASTAL STABILISATION & WATERFRONT DEVELOPMENT-I (HALL – 2) Chair: Henk Jan Verhagen

1100	Characteristics of the Imeretinskaya lowland evolution during XX-XXI <i>Krylenko M, V.Krylenko, E.Dzaganiya</i>
1125	Shoreline Management Plan for adjacent beaches of Gopalpur Port, East Coast of India <i>Mishra, P., P.K. Mohanty</i>
1150	River mouth management in Malaysia – An overview of issues <i>Pedersen C, J.H. Jensen</i>
1215	Artificial Surfing reefs – an option for the German Baltic Sea coast? <i>Behrendt, M.</i>



**TS04: PORT AND COASTAL INFRASTRUCTURAL ENGINEERING - I  
(HALL – 3) Chair: R Sundaravadivelu**

1100	Development of “KOLOS” armour blocks and its hydrodynamic performance <i>Chandramohan, P.V., V.Sundar, S.A. Sannasiraj, A.Arunjith</i>
1125	Breakwater Damaged due to Land Subsidence - Restoration <i>Sarma A V S, S.P Jagtap, M.D Kudale</i>
1150	Observations of infra-gravity waves and their forcing <i>Thotagamuwage D, C. Pattiaratchi</i>
1215	Berm Breakwater Study with Concrete Cubes – An Experimental Approach <i>SubbaRao, K.G.Shirlal, B.KRao, J.Prashanth</i>

1340-1520

TECHNICAL SESSIONS 5-8

20 Feb

**TS05: COASTAL SEDIMENTS AND HYDRODYNAMICS – II  
(AUDITORIUM) Chair: Andreas Schlenkhoff**

1340	Current LS-Dyna Fluid-Structure-sediment contact/Impact modelling capability <i>Challa R, S.C.Yim</i>
1405	Past and Present Trends in Flushing Characteristics of Chilika Lagoon, East Coast of India <i>RangaRao, V., Samal R. N., Pattnaik, A.K., M.M.Mahanthy</i>
1430	Flushing Characteristics of Lustica Bay, Montenegro <i>Abul-Azm, A.G., K.A. Rakha</i>
1455	Forecasting of deformations of a non-uniform beach on structure near to cross constructions <i>Dreizis, Y.I., E.V. Bondareva, I.G. Kantardgi</i>

**TS06: COASTAL RISK MANAGEMENT – II  
(HALL – 1) Chair: Kyung Duck Suh**

1340	Numerical modelling of boulder transport by tsunami: The model predictions and its sensitivity <i>Nandasena NAK, N. Tanaka, R. Paris</i>
1405	Field Survey of Tsunami Disaster on Sipora Island, Indonesia after Sumatra earthquake 2010 <i>Shibayama T, M. Esteban, K.Ohira, T.Mikami</i>
1430	Tsunami Hydrodynamic Parameters in Inundation Zone a Case Study: March 11, 2011 Great east Japan Tsunami <i>Ozer C, A.C.Yalciner, A.Zaytsev</i>
1455	Indian Ocean Tsunamis and their possible effects on the Shallow Zones <i>Zaitsev A, A.C.Yalciner, C.Ozer, H.Koyuncu</i>

**TS07: COASTAL STABILISATION & WATERFRONT DEVELOPMENT-II  
(HALL – 2) Chair: Syed Khalil**

1340	Wave overtopping reduction by seadike crown-walls in Vietnam <i>ThieuQuang T, H.J.Verhagen</i>
1405	Stability of pattern placed revetment elements <i>DorstK, Y.Provoost, H.J.Verhagen</i>
1430	Monitoring Sherry Port dredging, protection and regeneration of Aculadero Beach (Cádiz Bay). <i>Garcia D, J.L.Tejada</i>
1455	Interaction between seagrass wrack and coastal structures: lessons from Port Geographe, south-western Australia <i>Pattiaratchi C, S.Wijeratne, C.Bosserelle</i>

**TS08: PORT & COASTAL INFRASTRUCTURAL ENGINEERING - II  
(HALL – 3) Chair: Subramaniam Neelamani**

1340	Changes in the wave induced forces on a buried submarine pipeline in different types of soils <i>Subramaniam N, K.AL-Banaa</i>
1405	Maasvlakte 2 reclamation project, Rotterdam, The Netherlands <i>Kant, G.</i>
1430	Geosynthetic scour protection and bed stabilisation for easy underwater installation at quay walls and waterfront structures <i>Werth K, H.Pohlmann, K.Sreenivas</i>
1455	New designs of yacht harbours in Italy <i>Noli, A, Camusi, A, F. Capozzi, L.Franco</i>



1540-1720

TECHNICAL SESSIONS 9-12

20 Feb

**TS09: COASTAL SEDIMENTS AND HYDRODYNAMICS – III  
(AUDITORIUM) Chair: Hartmut Bruehl**

1540	<b>Location stability of tidal inlets; a numerical approach</b> <i>Thanh Tung T, J. V.D.Kreeke, M.J.F.Stive</i>
1605	<b>Numerical approach on the inlet effects on adjacent coastlines</b> <i>Dissanayake PK, R.Ranasinghe, J.A. Roelvink</i>
1630	<b>Climate Change Impacts on the Stability of Small Tidal Inlets: A numerical modelling study using the Realistic Analogue approach</b> <i>Duong T, R.Ranasinghe, A.Dastgheib, A. Lujendijk</i>
1655	<b>Stability of Tidal Rivers, Sediment and Drainage Management in the Coastal Area of Bangladesh</b> <i>Khan.Z</i>

**TS10: COASTAL RISK MANAGEMENT – III  
(HALL – 1) Chair: Torsten Schlurmann**

1540	<b>Assessment of the Vulnerability of East Coast of Sri Lanka for Storm Surges</b> <i>Dharmadasa V, M.M.P. Bhadrari, P.Thanuja, T.M.N.Wijerathne</i>
1605	<b>Storm-surge modelling for coastal structure design</b> <i>Nghiem L, V.T.T.Thuy</i>
1630	<b>Parameterisation of storm surge hydrographs using univariate and bivariate statistical models</b> <i>Salecker D, A.Gruhn, C.Schlamkow, P.Froehle</i>
1655	<b>Storm Surge Modelling of Fraser East Coast Low event in South East Queensland, Australia</b> <i>Golshani A, G.Stuart, R.Tomlinson</i>

**TS11: COASTAL STABILISATION & WATERFRONT DEVELOPMENT-III  
(HALL – 2) Chair: K.M.Sivakholundu**

1540	<b>The use of mangroves in coastal protection</b> <i>Verhagen HJ, T.T.Lo</i>
1605	<b>Coastal Defence of Lowlands with Sand: Morpho-Dynamic Concepts of beach-dune system rehabilitation</b> <i>Malherbe B, J.Fordeyn</i>
1630	<b>Coastal dune recovery and monitoring: the use of geotextile tubes to prevent coastline retreat at Las Coloradas Yucatán, México</b> <i>González-Leija, A. Solis-Pimentel</i>
1655	<b>The Experience Obtained From the Use of Geotube Low Crested Breakwaters as Coastal Erosion Measures at Anyer Beach, Indonesia</b> <i>Sulaiman DM, M.E.Sudjana, B.S. Prasetyo</i>

**TS12: PORT & COASTAL INFRASTRUCTURAL ENGINEERING - III  
(HALL – 3) Chair: P.V Chandramohan**

1540	<b>The berm breakwater concept – ‘natural’ structures in the Middle East</b> <i>Ockeloen W, J.Adrichem, C.V.D.Lem</i>
1605	<b>The design and construction of a breakwater on very soft soil</b> <i>De Rouck J, L.V.Damme, K.V.Doorslaer, H.verhaeghi</i>
1630	<b>CRABLOCK CONCRETE BREAKWATER ARMOUR UNIT Development, Modelling and Application in Oman</b> <i>Phelp D, K.Tulsi, A. Al Masood, C.Eissa</i>
1655	<b>Strength of the landward slopes of seadikes in Vietnam</b> <i>Le HaiT, H.J Verhagen, J.V.D. Meer, V.M.Cat</i>



TUESDAY 21 FEBRUARY 2012

0900-1040

TECHNICAL SESSIONS 13-16

21 Feb

**TS13: COASTAL SEDIMENTS AND HYDRODYNAMICS – IV  
(AUDITORIUM) Chair: Takahiro Kumagai**

0900	Experiments and numerical simulations on wave evolution over submerged bars <i>Teng, B., L.F. Chen, D.Z. Ning</i>
0925	A Partical method to obtain Design Wave parametres from Wave model results <i>De Jong M, M.Borsboompaper</i>
0950	Parameters of Progressive Waves of Finite Amplitude in Shallow Water <i>Shakhin, V.M., T.V. Shakhina</i>
1015	A Wave Transformation Matrix Approach for Establishing Nearshore Wave Climate in the Dubai Coastal Zone <i>Gunaratna.P</i>

**TS14: COASTAL RISK MANAGEMENT – IV  
(HALL – 1) Chair: R.Galapatti**

0900	Effect of climate change on extreme waves <i>Radhika, S., M C Deo, G Latha</i>
0925	Coastal Adaptation to Climate Change: A Case Study in Durban, South Africa <i>Geldenhuys MA., S.N. Jonkman, M.V.Ledden, R.W.M.R.J.Ransinghe</i>
0950	Climate Change and Coastal Protection - Possibilities and limitations of adaptation methods for flood protection measures and strategies - <i>Fröhle P</i>
1015	Climate change adaptation for the Solomon Islands <i>Cox R, S.Atkinson, K.Joseph</i>

**TS15: COASTAL STABILISATION & WATERFRONT DEVELOPMENT-IV  
(HALL – 2) Chair: Tomoya Shibayama**

0900	Transmission and Pool Response of a Low-Crested Breakwater and a Vertical Seawall System <i>Kudumula,S.R, M.G.M.Reddy</i>
0925	Hydraulic performance of breakwater heads armored with elements with high-density iron-silicate as concrete aggregate <i>Wilms M, N.Goseberg, T.Schlurmann</i>
0950	Case Studies and Lessons Learnt from Applications of Sand Filled GeotextileContainers in the Arabian Gulf <i>Jackson A, J.Recio, Z.Mocke, L.Jackson</i>

**TS16: PORT & COASTAL INFRASTRUCTURAL ENGINEERING – IV  
(HALL – 3) Chair: C. Van Rhee**

0900	Numerical simulation of water waves using SPH method <i>Chowdhury S.D., S.A. Sannasiraj</i>
0925	Wave transformation and overtopping challenges solved by multi-disciplinary modelling <i>Sloth P, J.Fuchs, H.Hansen,S.B.Mortensen</i>
0950	Estimation of second-order wave forces on marine structures using finite element method <i>Senan A, P. Krishnankutty</i>

1100-1240

TECHNICAL SESSIONS 17-20

21Feb

**TS17: COASTAL SEDIMENTS AND HYDRODYNAMICS – V  
(AUDITORIUM) Chair: M.C Deo**

1100	Modeling tidal current and pollutant concentration of a tidal lagoon in Hurghada, Egypt, <i>Daoud A, A.G.Abul-Azm</i>
1125	Simulation of saline water intrusion into downstream of Ma river in dry season



	<i>Minh C.V, V.M.Anh</i>
<b>1150</b>	<b>Potential impact of climate change on residual currents in the northern Bay of Bengal along Bangladesh coast</b> <i>Hussain M, A. K. M. Saiful Islam, M.A.Hossain, Md.T. Hoque</i>
<b>1215</b>	<b>Hydrodynamic behaviour of Cua Hoi estuary- Nghe An province - Vietnam</b> <i>Nguyen T.P.T, N.Q.Minh</i>

<b>TS18: COASTAL RISK MANAGEMENT – V</b> <b>(HALL – 1) Chair: John Headland</b>	
<b>1100</b>	<b>Coastal/Port Structures &amp; Sea Level Rise: Adaptive Management Approach</b> <i>Headland J.</i>
<b>1125</b>	<b>Development of a warning system of wave run-up and overtopping on coastal structure</b> <i>Suh K.D, S.J. Na, K.D. Do</i>
<b>1150</b>	<b>Managing Risks in Coastal Infrastructure projects : A case study in Car Nicobar island</b> <i>Maiti D.</i>
<b>1215</b>	<b>Coastal risk assessment with special reference to oil spill for marine infrastructure projects</b> <i>Jena G.K, P.Dash, A.Pradhan</i>

<b>TS19: COASTAL STABILISATION &amp; WATERFRONT DEVELOPMENT-V</b> <b>(HALL – 2) Chair: H Ligteringen</b>	
<b>1100</b>	<b>Applying Morphological Modelling in Coastal Engineering</b> <i>Helledie, C.</i>
<b>1125</b>	<b>New PIANC guideline: Mitigation of coastal erosion along sandy coasts. Technical guidelines for Countries in transition</b> <i>Mangor K, J.V. Bandeira, K. Dorst, L.Ewing</i>
<b>1150</b>	<b>Zig-Zag shape porous groin for beach stabilization</b> <i>Fatimah.E, E.H.Irawan</i>
<b>1215</b>	<b>Risk assessment for Coastal Protection Works for Banda Aceh Built During the Rehabilitation and Reconstruction Programs</b> <i>Masimin M, Z.A. Ariff</i>

<b>TS20: PORT &amp; COASTAL INFRASTRUCTURAL ENGINEERING - V</b> <b>(HALL – 3) Chair: Andrew Cornett</b>	
<b>1100</b>	<b>Overview of the coastal engineering studies performed for the design of a new commercial port in Qatar</b> <i>Scraggs C, G.Mocke, F.Smit, F.Vieira</i>
<b>1125</b>	<b>Flexibility in port infrastructures</b> <i>Taneja P, R.Ros, T.Vellinga, V.Schuzlenburg</i>
<b>1150</b>	<b>Design and construction of Valaichchenai fishery harbour</b> <i>Gunawardena, M.J.A., A. R. M. Ismath, L. V. Talagala, D. M. T. B. Dassanayake</i>
<b>1215</b>	<b>Static and dynamic slope stability analysis after dredging in Kandla Port</b> <i>Sivapriya S V, R.Sundaravadivelu, S.R.Gandhi, K.Murugados</i>

<b>1340-1520</b>	<b>TECHNICAL SESSIONS 21-24</b>	<b>21Feb</b>
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<b>TS21: COASTAL SEDIMENTS AND HYDRODYNAMICS – VI</b> <b>(AUDITORIUM) Chair: Julio T.A Chacaltana</b>	
<b>1340</b>	<b>Numerical investigation of the flow pattern in “TangeyeKhuran” tidal channel in the Persian gulf</b> <i>BesharatiGivi MH, M.R Allahyar, M. S. Madihi, A.S.Naseri</i>
<b>1405</b>	<b>Numerical Simulations for Proposed Layouts in the Crescent Shaped Bay Along East Coast of India</b> <i>Sharma VB, C. B. Singh , A.Bagwan</i>
<b>1430</b>	<b>Simulation of tidal hydrodynamics and suspended sediment transport models for proposed extension of lagoon type Port</b> <i>Singh, A.K., B. Krishna, L.R. Ranganath, B.M. Patil</i>
<b>1455</b>	<b>Roles of water temperature variability to water circulation in an arid meso-tidal shallow bay in Kuwait</b> <i>Pokavanich T, K. Al-Banaa</i>



<b>TS22: COASTAL RISK MANAGEMENT – VI</b> (HALL – 1) Chair: Ron Cox	
<b>1340</b>	<b>Risk analysis and management for extreme storm surges (XtremRisk)</b> <i>Dassanayake DR, A.Burzel , A.Kortenhaus, M.Nacelin</i>
<b>1405</b>	<b>Impact of climate change induced cyclonic surge on the coastal island: Kutubdia and Sandwip and proper adaptive measures</b> <i>Hasan M. M, U.K.Navera</i>
<b>1430</b>	<b>A Shallow Water Model for computing water level due to tide and surge along the Coast of Bangladesh using nested numerical schemes.</b> <i>Rahman M.M, A. Hoque, G. C. Paul</i>

<b>TS23: PORT, HARBOUR &amp; MARINE PLANNING &amp; MANAGEMENT- I</b> (HALL – 2) Chair: Hisao Ouchi	
<b>1340</b>	<b>A Simulation Case Study for a Commercial Hop Port Planning In Particular Reference to Berths Length and Anchorage Capacity</b> <i>Mohamed K</i>
<b>1405</b>	<b>A new energy port near Manappad, Tamil Nadu, India</b> <i>De Regge J, T. Mohan, P. Ratinckx</i>
<b>1430</b>	<b>Role of Long Navigational Channel in Design of Harbour Layout in Wide Continental Shelf</b> <i>Kulkarni S, A. M. Vaidya, M. D. Kudale, R.K.Chaudhari</i>
<b>1455</b>	<b>Studying wave penetration inside Oostende-Harbour after the construction of new breakwaters</b> <i>Hassan W, M.Willems, T.Verwaest</i>

<b>TS24: PORT &amp; COASTAL INFRASTRUCTURAL ENGINEERING - VI</b> (HALL – 3) Chair: B Poiyamozhi	
<b>1340</b>	<b>Breaking Wave Impact pressure on a slender vertical cylinder</b> <i>Manjula, R., S.A. Sannasiraj, K.Palanichamy</i>
<b>1405</b>	<b>Force Measurement Study on caissons and Walkways: 2D Physical Model Tests</b> <i>Tulsi K, D.Phelp, P.O Connor, J.Kieviet</i>
<b>1430</b>	<b>Propeller Jet Flow Around a Pile Type Structure</b> <i>Celikoglu Y, K.Cihan, E.Sahin, Y.Yuksel</i>
<b>1455</b>	<b>Investigation on harmonic generation of submerged elastic plate using wave flume experiments</b> <i>Muthurajan T, A.Subramanian.V, Murali. K</i>

<b>1540-1655</b>	<b>TECHNICAL SESSIONS 25-28</b>	<b>21Feb</b>
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<b>TS25: COASTAL SEDIMENTS AND HYDRODYNAMICS – VII</b> (AUDITORIUM) Chair: Jorgen Fredsoe	
<b>1540</b>	<b>Hydrodynamics of Da Rang river mouth in central Vietnam</b> <i>Pham T. H, L.D.Thanh, N. L. Long, N.B.Quy</i>
<b>1605</b>	<b>Impact of the Hydrodynamic in the concentration of the superficial suspense sediments into the Chimbote Bay</b> <i>Jesus, L.C., G.L.G. Teixeira, J. T.A. Chacaltana, J.R. Acuna</i>
<b>1630</b>	<b>Mathematical model studies for river regulatory measures for the improvement of draft in Hooghly Estuary, India</b> <i>Samarawickrema S, R.P. Dubey, P.P. Gunaratna, R.K.Guptha</i>

<b>TS26: COASTAL RISK MANAGEMENT – VII</b> (HALL – 1) Chair: Peter Froehle	
<b>1540</b>	<b>A GIS Framework for Probabilistic Modelling Coastal Erosion and Flood-Risk</b> <i>Panzeri M, S.Stripling,T.Chesher</i>
<b>1605</b>	<b>Wave calculations for Lingang Maritime Engineering Base in Hangzhou Bay, China</b> <i>Zheng J, T. Wang</i>
<b>1630</b>	<b>Comparison of analytical methods for the decomposition of wave characteristics</b> <i>Abdolali, A., M. Kolahdoozan, M. Jalae, M.R. Allahyar</i>



**TS27: PORT, HARBOUR & MARINE PLANNING & MANAGEMENT-II  
(HALL – 2) Chair: Freddy Wens**

<b>1540</b>	<b>Development of Fishing Harbours At Coastal Inlets</b> <i>Chandra P, M.D.Kudale</i>
<b>1605</b>	<b>Design and construction of an inner bay fishery harbour</b> <i>Fernando, M.S.L., S. H. M. A. P. K. De Silva, I. G. I. Kumara, P.A. Samarasinghe</i>
<b>1630</b>	<b>Detailed designs for the development of fishery anchorage facility at Kalametiya in Hambantota</b> <i>Fernando M, H. R. L. W. Halgahawaththa, T. M. E. S. Hanifa, A.R.M.Jsmath</i>

**TS28: PORT & COASTAL INFRASTRUCTURAL ENGINEERING - VII  
(HALL – 3) Chair: Gary Mocke**

<b>1540</b>	<b>Hydrodynamic Performance Characteristics of Sea Side Perforated Semicircular Breakwater</b> <i>Vittal H, S.Rao,K.Kumar</i>
<b>1605</b>	<b>Case Study - New Colombo South Harbour main breakwater</b> <i>Young M, C.Giraudel</i>
<b>1630</b>	<b>Wave overtopping at vertical walls and dykes with topped vertical walls</b> <i>Kerpen N.B, T.Schlurmann</i>

**WEDNESDAY 22 FEBRUARY 2012**

**0900-1040** **TECHNICAL SESSIONS 29-32** **22Feb**

**TS29: COASTAL SEDIMENTS AND HYDRODYNAMICS – VIII  
(AUDITORIUM) Chair: Charitha Pattiaratchi**

<b>0900</b>	<b>The stabilization of the Faro-Olhão inlet and its influence on the morphodynamics of Culatra island and Armona inlet</b> <i>Santos-Ferreira A, E. Dias, J. Leal, N.oliveria</i>
<b>0925</b>	<b>Recovery of the Tsunami Influenced Bathymetry Change by Normal Wind Waves</b> <i>Ranasinghe P, K. Goto, F. Imamura,J.Takahashi</i>
<b>0950</b>	<b>Numerical modelling of siltation and erosion issues at Oluvil Port –Sri Lanka</b> <i>Wickramaratne S, D.M.S.S.Dissanayake, M.D.V.S.Dharmadasa</i>
<b>1015</b>	<b>A probabilistic approach to investigate the effect of wave chorology on the process-based morphological modelling</b> <i>Dastgheib A, M.R. Rajabalinejad, R. Ranasinghe, D.Roelvink</i>

**TS30: COASTAL RISK MANAGEMENT – VIII  
(HALL – 1) Chair: Oivind Asgeir Arntsen**

<b>0900</b>	<b>Numerical sensitivity analysis on the influence of hydrodynamic - and failure - conditions on flooding of coastal areas</b> <i>Gruhn A, P.Fröhle, C.Schlamkow, Dostesalecker</i>
<b>0925</b>	<b>Protection against flooding of the harbour of Ostend (Belgium) by the construction of flood walls</b> <i>DeWolf P, K.Trouw, A. Bolle, K.vanDoorslaer</i>
<b>0950</b>	<b>Present Status and Future Challenges in the assessment and mitigation of Marine Hazards</b> <i>Yalciner AC, I.Güler</i>
<b>1015</b>	<b>Impact of Climate Change on Saltwater Intrusion in the Coastal Area of Bangladesh.</b> <i>Akhter S, M.M.Hasan, M. Z.H. Khan</i>

**TS31:PORT, HARBOUR & MARINE PLANNING & MANAGEMENT-III  
(HALL – 2) Chair: A.V.Hegde**

<b>0900</b>	<b>Feasibility study for design marine structures at Kaikawala</b> <i>Abeygoonasekara I, D.M.S.S. Dissanayake, M.S.L. Fernando, L.V.P.N Jayawardena</i>
<b>0925</b>	<b>Study on artificial island for Hambantota port development project</b> <i>Muthusamy M, D.Bo, H.N.R. Perera, R.W.C.N. Rajapaksha</i>



0950	<b>Inland Container Depot Development in Nigeria: Succour for Ports Decongestion</b> <i>Samuel O</i>
1015	<b>Physical modelling investigation for Dikkowita fishery harbour</b> <i>Kumara .I.G, K. Benders, T.D.T. Premasiri, D.P.I.Ranasinghe</i>

**TS32:PORT & COASTAL INFRASTRUCTURAL ENGINEERING -VIII  
(HALL – 3) Chair: Ihab Tolba**

0900	<b>Experimental and Numerical Study of Mobile Offshore Berth</b> <i>Subramani V, R. Sundaravadivelu, N.Srinivasn</i>
0925	<b>Quay wall design for an uncertain future</b> <i>Zwakhals. W, P. Taneja, H. Ligteringen</i>
0950	<b>Dynamic Response of Block Type Quay Walls</b> <i>Karakuş H, Ayşen, Işıkhan, K.Cihan</i>
1015	<b>Numerical modelling of wave-plate interaction using meshfree method</b> <i>Sriram, V., Q.W. Ma</i>

1100-1800

TECHNICAL VISITS

**THURSDAY 23 FEBRUARY 2012**

0900-1040

TECHNICAL SESSIONS 33-36

23Feb

**TS33: COASTAL SEDIMENTS AND HYDRODYNAMICS – IX  
(AUDITORIUM) Prof. Kees D' Angremond**

0900	<b>Numerical simulation of Hydrodynamic performance of permeable breakwater</b> <i>Ahmed H, A.Schlenkhoff, M.Oertel</i>
0925	<b>Storm-driven perched beach dynamics behind a natural low-crested structure</b> <i>Gallop S, C.Bosserelle, I. Eliot, C.Pattiaratchi</i>
0950	<b>Cross-Shore Profile and Coastline Changes of Sandy Beaches, South Coast of Bali Island</b> <i>Sila Dharma IB</i>
1015	<b>Beach Morphology and sediment characteristics along Orissa coast, East coast of India</b> <i>Mohanty, P.K., B. Seth, S.K. Barik, P.K. Kar</i>

**TS34: MARINE DATA ACQUISITION AND MANAGEMENT- I  
(HALL – 1) Chair: Prabhat Chandra**

0900	<b>Assesment of Shoreline Changes Using Satellite Data for Coastal Developments</b> <i>Ranade S, S. Selvan, M. D. Kudale</i>
0925	<b>Satellite altimeter data as a tool to improve the understanding of wave storm statistics</b> <i>Carratelli P.E, F.Dentale, F. Reale, L. Torrisi</i>
0950	<b>Remote Sensing of Suspended Sediments in the Coastal Sea of Bay of Bengal off Bangladesh</b> <i>Islam M, R.Jayaratne, M. Marriott, S. Begum</i>

**TS35:PORT,HARBOUR & MARINE PLANNING & MANAGEMENT-IV  
(HALL – 2) Chair: B. Mutlu Sumer**

0900	<b>Design of the new approach channel to the Port of Colombo</b> <i>Abeysirwardana S, M. Young</i>
0925	<b>Hydrological assessment for selection of appropriate site for jetty near the outfall of Sangu river</b> <i>Alam R, Md. Z.H.Khan, Md. M.Hasan</i>
0950	<b>A study on the approach channel of Ennore port to cater 2,50,000 DWT vessels</b> <i>Karuppiah, A., J.S. Mani</i>



**TS36: PORT & COASTAL INFRASTRUCTURAL ENGINEERING - IX  
(HALL – 3) Chair: Leopaldo Franco**

0900	Development and consolidation of the El Kala port in fishing and marina: modelling investigation <i>Hanifa E, M. Amari, K. Raveenthiran, T.A.N Sugandika</i>
0925	Physical thermal model studies for cooling water intake and outfall of a power plant located on the sea shore <i>Shettar M, M. D. Kudale</i>
0950	Simulation of Salinity Dispersion for Relocation of Intake & Outfall of Desalination Plant in Coastal Area <i>Manivanan, R. S.N Jha, B.M Patil</i>
1015	Important engineering properties of geotextile sand containers and their effect on the hydraulic stability of GSC-structures <i>Dassanayake, D, H. Oumeraci</i>

1100-1240

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**TS37: COASTAL SEDIMENTS AND HYDRODYNAMICS – X  
(AUDITORIUM) Chair: Martijn De Jong**

1100	Wave liquefaction in soils with clay content <i>Kirca V.S., J.Fredsøe, B. M. Sumer</i>
1125	Hydrodynamic response of a tropical coral reef to a rise in mean sea level <i>Taebi S, C. Pattiaratchi, G. Ivey, R.Lowe</i>
1150	Sand barrier dynamics driven by waves and currents <i>Vu.T.T.T., P. Nielsen, Lam T. Nghiem, J.Seelam</i>
1215	Experimental study on bed load transport of shell fragment-mixed sand under waves <i>Kumagai.T,S. Nakajima</i>

**TS38: MARINE DATA ACQUISITION AND MANAGEMENT- II  
(HALL – 1) Chair: P Chandramohan**

1100	An estimate of typical scenarios of wave regimes at the Rio Grande do Sul (Brazil) using WW3 reanalysis data <i>Romeu M, J.Fontoura, D. Franco, G.R.Hammes</i>
1125	Coastal Ocean Monitoring over Taiwan Waters - Present Status and its Perspective <i>Wu L-C, C.C.Kao, D.J.Doong</i>
1150	Spatial distribution of atmospheric nutrients loadings on the Singapore coastal waters-GIS Interpolation Techniques <i>Jayaraj C, S.Palani</i>

**TS39: COASTAL ZONE MANAGEMENT AND ENVIRONMENT - I  
(HALL – 2) Chair: S.P Samarawickrama**

1100	Future wave conditions at the German Baltic Sea Coast on the basis of wind-wave-correlations and regional climate change scenarios <i>Dreier N, C.Schlomkow, P.Frohle, D.Salechker</i>
1125	Project Hedwige-Prosper: creation of new wetlands along the river scheldt <i>Jorgen .H, D.Defloor</i>
1150	Global and Local Processes of Tsunami Attenuation by Mangroves forest - Laboratory Test Results <i>Husrin S, A.Strusińska, H.Oumeraci,</i>
1215	Development of Water Quality Index for Ha Long Bay in Vietnam <i>Nguyen .T. T. N, N.C. Hoi</i>

1340-1520

TECHNICAL SESSIONS 40 - 41

23Feb

**TS40: COASTAL SEDIMENTS AND HYDRODYNAMICS – XI  
(AUDITORIUM) Chair: Subba Rao**

1340	Erosion at Cape Lopez, Gabon, West Africa and its impact on existing terminal structures <i>Collet.P, P.G. Anquetin, V. Quiniou-Ramus, B. Latteux</i>
1405	Assessment of Coastal Problems Along the Northern Coast of Sinai Peninsula <i>Tolba.I, M.Y.Mahdy</i>
1430	Study of Littoral Transport along the Coast of Kerala <i>Paravath.K, Jayadeep.T</i>



1455	<b>Nearshore Dynamics of Pondicherry Coast</b> <i>Rathish. A, M.V.R. Murthy, G.S.Dwarakish</i>
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**TS41: COASTAL ZONE MANAGEMENT AND ENVIRONMENT - II  
(HALL – 2) Chair: R Ramesh**

1340	<b>Mining activities in a coastal zone - Effects and remedial measures in the Netherlands</b> <i>d'Angremond K, J.P.W.de Water</i>
1405	<b>Monitoring of oscillatory ripple marks in nearshore sands</b> <i>Floth U, S. Forster, P. Fröhle</i>
1430	<b>Hydrology and coastal morphology at São Tomé island.</b> <i>Giardino A, S. Bettencourt, A. Carvalho, Tatiana</i>
1455	<b>Sea floor characterization and Regional Sediment Management for coastal restoration in Louisiana, USA</b> <i>Khalil. S</i>

**1540-1720 TECHNICAL SESSIONS 42 – 43 23Feb**

**TS42: COASTAL SEDIMENTS AND HYDRODYNAMICS – XII  
(AUDITORIUM) Chair: J.S Mani**

1540	<b>Individual irregular waves in coastal zone: experimental investigations</b> <i>Ya. V. Saprykina</i>
1605	<b>Physical mechanisms of secondary waves formation in coastal zone and possibility of its application to coastal protection</b> <i>Kuznetsov.S</i>
1630	<b>Numerical Case Study on Modelling of Dredge Plume Dispersion</b> <i>Ramakrishnan. B</i>
1655	<b>Shallow water hydrodynamic investigation of local scour over smooth and rough sediment beds</b> <i>Jayaratne .M.P.R, M.SSalim</i>

**TS43: COASTAL ZONE MANAGEMENT AND ENVIRONMENT - III  
(HALL – 2) Chair: Jinhai Zheng**

1540	<b>An innovative approach to determinate economically optimal coastal setback lines for risk informed coastal zone management</b> <i>Ranasinghe. R, R. Jongejan, D. Callaghan, H. Vrijling</i>
1605	<b>Environmental Impact Assessment for Singapore Coastal Water Management</b> <i>Palani. S, P.T. Kalich</i>
1630	<b>Long term Shoreline Changes along Tamil Nadu Coast using remote Sensing and GIS</b> <i>Kankara. R.S, S.CSelvan</i>
1655	<b>Deriving the Benefits of Strategic Shoreline Management</b> <i>Burgess .K. Nigel, A. Hosking</i>

**FRIDAY 24 FEBRUARY 2012**

**0900-1040 TECHNICAL SESSIONS 44-46 24Feb**

**TS44: COASTAL SEDIMENTS AND HYDRODYNAMICS – XIII  
(AUDITORIUM) Chair: Tim Chesher**

0900	<b>Shoreline management plan for a placer mining beach of the southwest coast of India</b> <i>Nair L S, V. Sundar, N.P. Kurian</i>
0925	<b>Solitary wave friction factors from direct shear measurements on a sloping bed</b> <i>Seelam. J.K, T. EBaldock</i>
0950	<b>Dynamic Pressures on Curved Front Seawall Models under Random Waves</b> <i>Anand.K.V, V. Sundar</i>



**TS45: COASTAL ZONE MANAGEMENT AND ENVIRONMENT – IV  
(HALL – 2) Chair: Wiel Neiazy Hassan**

<b>0900</b>	<b>Environmental Impact Modelling of Dredging Works for outfalls at Rio de la plata fresh water sea</b> <i>Tarela . P.A, F.J. V.Avermaete, E.A.Perone</i>
<b>0925</b>	<b>Comparison of Water Column Impacts from Discharge of Wastewater Effluent at Different Depths</b> <i>Vithanage. D</i>
<b>0950</b>	<b>Deepening of the river Scheldt - special dredging techniques</b> <i>Seuryneck.D,J.Luyckx, Y. Shan, N.Hibert</i>
<b>1015</b>	<b>Feasibility studies for planning and designing of marine structures at Kaluwankerni, Sri Lanka</b> <i>Silva A, M. S. L.Fernando, L. V. P. N. Jayawardena, R.W.C.N.Rajapaksha</i>

**TS46: PORT & COASTAL INFRASTRUCTURAL ENGINEERING – X  
(HALL – 3) Chair: Roshanka Ranasinghe**

<b>0900</b>	<b>Armourstone for the Icelandic-type berm breakwater</b> <i>Sigurdarson.S,R.Mocke, M.Primmer, S.Gretarsson</i>
<b>0925</b>	<b>3D Physical Model testing on Breakwater stability of NEW El Kala fishery harbour in Algeria</b> <i>Jayawardena L, G. Bay, K.Raveenthiran, M.Amari</i>
<b>0950</b>	<b>Montevideo´s port breakwaters restoration</b> <i>Nieto.A</i>
<b>1015</b>	<b>Enhanced construction methodology using recent developments in artificial armour units - Cases studies</b> <i>Fons. M, O.Paireau</i>

**1100-1240**

**TECHNICAL SESSIONS 47-49**

**24Feb**

**TS47: COASTAL SEDIMENTS AND HYDRODYNAMICS – XIV  
(AUDITORIUM) chair: Sam Hettehrachi**

<b>1100</b>	<b>Numerical model studies for possibility of siltation in the proposed intake channel for a Power Plant</b> <i>Ranganath.L.R, B. Krishna, S. Balakrishna</i>
<b>1125</b>	<b>Vorticity effects on wave-current interactions</b> <i>Moreira. R.M, J.T.AChacaltana</i>
<b>1150</b>	<b>Influence of a constriction in hydrodynamic of Canal da Passagem, Vitória-ES, Brazil.</b> <i>Do nascimento. T.S, J.T.A.Chacaltana</i>
<b>1215</b>	<b>Hydraulic Design Aspects for Intake Structure of Coastal Power Plant In Macro Tidal Gulf Regime</b> <i>Purohit.A,M.M.Vaidya, M.D.Kudale</i>

**TS48: COASTAL ZONE MANAGEMENT AND ENVIRONMENT – V  
(HALL – 2) Chair: V. Ananthasubramanian**

<b>1100</b>	<b>Successful Completion of a Multi-Sectoral Coastal Resources Management in Sri Lanka - Lessons Learnt</b> <i>Perera.H.N.R.</i>
<b>1125</b>	<b>Flood Protection and Conservation of Mangroves in Urban Area</b> <i>Thadi. N, M.D. Kudale, U.B.Patil, V.K.Shukla</i>
<b>1150</b>	<b>Land reclamation potentials in the Meghna Estuary</b> <i>Kamal .F.A, M.M.Z. Ahmed, M.Z.Rahman</i>

**TS49: PORT & COASTAL INFRASTRUCTURAL ENGINEERING – XI  
(HALL – 3) chair: K Murli**

<b>1100</b>	<b>3D Physical Model Studies of Wave Agitation and Moored Ship Motions at Ashdod Port</b> <i>Cornett. A, B. Wijdeven, J. Boeijinga, O. Ostrovsky</i>
<b>1125</b>	<b>Effect of Harbours on the Kerala Coast with Special Reference to Littoral Drift</b> <i>Ansari.M , N. Mohanakumar</i>
<b>1150</b>	<b>Application of concrete armour units on a nearshore reef</b>

