

Hosted by



# 8<sup>th</sup> International Conference on Asian and Pacific Coasts (APAC 2015)

**SUNDAY 06<sup>th</sup> SEPTEMBER 2015**

16:00 - 18:00

**REGISTRATION**

**MONDAY 07<sup>th</sup> SEPTEMBER 2015**

08:00  
Onwards -

**REGISTRATION**

09:30-10:30

**INAUGURATION**

10:30-11:00

**TEA BREAK**

11:00-11:30

**KEYNOTE - I AUDITORIUM**

11:30-13:00

**AUDITORIUM**

Hydrodynamics & Morphodynamics-1

**HALL 1**

Coastal Zone Management & Environment - 1

**HALL 2**

Port & Coastal Engg. -1

13:00-14:00

**LUNCH**

14:00-15:30

**AUDITORIUM**

Hydrodynamics & Morphodynamics-2

**HALL 1**

Coastal & Port Management. -1

**HALL 2**

Port & Coastal Engg. -2

15:30-16:00

**TEA BREAK**

16:00-17:30

**AUDITORIUM**

Hydrodynamics & Morphodynamics-3

**HALL 1**

Coastal Zone Management & Environment -2

**HALL 2**

Port & Coastal Engg. -3

18:00-21:00

**WELCOME RECEPTION**  
Venue: Radisson Blue, Chennai

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# 8<sup>th</sup> International Conference on Asian and Pacific Coasts (APAC 2015)

**TUESDAY 08<sup>th</sup> SEPTEMBER 2015**

08:00 Onwards -	<b>REGISTRATION</b>		
09:00-10:30	<b>AUDITORIUM</b> Hydrodynamics & Morphodynamics-4	<b>HALL 1</b> Coastal Zone Management & Environment -3	<b>HALL 2</b> Port & Coastal Engg. -4
10:30-11:00	<b>TEA BREAK</b>		
11:00-11:30	<b>KEYNOTE - II (AUDITORIUM)</b>		
11:30-13:00	<b>AUDITORIUM</b> Hydrodynamics & Morphodynamics-5	<b>HALL 1</b> Extreme Coastal Events-1	<b>HALL 2</b> Port & Coastal Engg. -5
13:00-14:00	<b>LUNCH</b>		
14:00-15:30	<b>AUDITORIUM</b> SYMPOSIUM -1 Recent Advances in Coastal Engg.		<b>HALL 2</b> Coastal & Port Management. -2
15:30-16:00	<b>TEA BREAK</b>		
16:00-17:30	<b>AUDITORIUM</b> SYMPOSIUM -2 Recent Advances in Coastal Engg.		<b>HALL 2</b> Extreme Coastal Events-2

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# 8<sup>th</sup> International Conference on Asian and Pacific Coasts (APAC 2015)

**WEDNESDAY 09<sup>th</sup> SEPTEMBER 2015**

09:00-10:30	<b>AUDITORIUM</b> Hydrodynamics & Morphodynamics-6	<b>HALL 1</b> Coastal Zone Management & Environment-4	<b>HALL 2</b> Port & Coastal Engg. -6
10:30-11:00	<b>TEA BREAK</b>		
11:00-11:30	<b>KEYNOTE - III (AUDITORIUM)</b>		
11:30-13:00	<b>AUDITORIUM</b> Hydrodynamics & Morphodynamics-7	<b>HALL 1</b> Coastal Zone Management & Environment-5	<b>HALL 2</b> Port & Coastal Engg.-7
13:00-14:00	<b>LUNCH</b>		
14:00- 15:30	<b>AUDITORIUM</b> Hydrodynamics & Morphodynamics-8	<b>HALL 1</b> Physical Modelling-1	<b>HALL 2</b> Port & Coastal Engg.-8
15:30-16:00	<b>TEA BREAK</b>		
16:00 – 17:30	<b>AUDITORIUM</b> Hydrodynamics & Morphodynamics-9	<b>HALL 1</b> Coastal & Port Management.-3	<b>HALL 2</b> Port & Coastal Engg.-9
19:00 Onwards -	<b>CONFERENCE BANQUET &amp; VALEDICTORY (with Cultural Show)</b> Venue: Hotel Westin, Chennai		

Hosted by



# 8<sup>th</sup> International Conference on Asian and Pacific Coasts (APAC 2015)

**THURSDAY 10<sup>th</sup> SEPTEMBER 2015**

**08:30 –  
17:30**

**TECHNICAL TOUR**



# 8<sup>th</sup> International Conference on Asian and Pacific Coasts (APAC 2015)

## TECHNICAL PROGRAMME

**MONDAY 07<sup>th</sup> SEPTEMBER 2015**

**1100 - 1130 KEYNOTE - I (Auditorium) 07 Sep**  
**Chair: Prof. Byung Ho Choi, Sungkyunkwan University Korea**

**Environmental and Topographical Impacts of Constructing Training Walls at a Tidal Inlet**  
*Prof. Shin-ichi Aoki, Coastal Engineering, Coastal development, Coastal Environment, Osaka university, Japan*

**1130 - 1300 TECHNICAL SESSIONS 07 Sep**

**TS01: HYDRODYNAMICS AND MORPHODYNAMICS- I  
 (AUDITORIUM)**

**Chair: Prof. Shinji Sato, University of Tokyo, Japan**

11.30	Modelling of Solitary Wave Run-up on an Onshore Coastal Cliff by smoothed particle Hydrodynamics method <i>Wei Jian - Singapore, Shawn Y. Sim - Singapore, Zhenhua Huang - USA, Edmond Yat-Man Lo - Singapore</i>
11.48	A modified SPH model for simulating water surface waves <i>Xiaojing Niu, Jialin Yu - China</i>
12.06	A Two-Phase Simulation of Wave Impact on a Horizontal Deck Based on SPH Method <i>Sun Zhaochen, Liang Shuxiu, Ren Xifeng, Zhang Yifei, Shen Jiafa - China</i>
12.24	Hydrodynamic Analysis of Floating Offshore Wind Turbine <i>Yeshwant Prabhu Chodnekar, Sukomal Mandal, Balakrishna Rao K - India</i>
12.42	Numerical modeling of waves in the port of Manzanillo, Mexico by cnoidal theory <i>Guillermo Cardoso-Landa - Mexico</i>

**TS02: COASTAL ZONE MANAGEMENT & ENVIRONMENT -1  
 (HALL - 1)**

**Chair: Prof. Dadang Ahmad Suriamihardja, Indonesia**

11.30	Pre-cooling technique for a thermal discharge from the Coastal Thermal Power Plant <i>S. G. Manjunatha, K. B. Bobade, M. D. Kudale - India</i>
11.48	Longshore Sediment Transport along the coast of Kerala in Southwest India <i>L. Sheela Nair, V. Sundar, N. P. Kurian - India</i>
12.06	Sorting and Sedimentology Character of Sandy Beach under Wave Action <i>Changbo Jiang, Zhiyuan Wu, Jie Chen, Bin Deng, Yuannan Long - China</i>



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12.24	Granulated coal ash-used method for remediation of organic matter enriched coastal sediments <i>Kenji NAKAMOTO, Tadashi HIBINO, Kazutoshi HINO, Narong TOUCH - Japan</i>
12.42	Identification Of Coastal Problem And Prediction Of Coastal Erosion Sedimentation In South Sulawesi <i>Hasdinar Umar, Sabaruddin Rahman, A. Yasir Baeda, Syerly Klara – Indonesia</i>

### TS03: PORT AND COASTAL ENGINEERING – 1 (HALL – 2)

Chair: Prof. Felice Arena, University of Reggio, Italy

11.30	Computational Intelligence On Hydrodynamic Performance Characteristics Of Emerged Perforated Quarter Circle Breakwater <i>Budime Raju, Hegde, A.V, Chandrashekar – India</i>
11.48	Stability analysis and design of offshore submerged breakwater made of sand filled geosynthetic tubes <i>Kiran A.S, Vijaya Ravichandran, Sivakholundu K.M – India</i>
12.06	Breakwater, From Wave Breaker to Wave Catcher <i>A Thaha, F. Maricar, A. F. Aboe, A.I.Dwipuspita – Indonesia</i>
12.24	The rehabilitation of north breakwater of NazaréHarbor, Portugal <i>Alexandre Santos-Ferreira, Mónica Cabral, Cláudia Santos – Portugal</i>
12.42	The effects of long-time strong wave condition on breakwater construction <i>S. Chen, G. Liang, H. Chen, R. Zhou – China</i>

1400 - 1530

TECHNICAL SESSIONS

07 Sep

### TS04: HYDRODYNAMICS AND MORPHODYNAMICS– 2 (AUDITORIUM)

Chair: Dr. S.N. Seo (KIOST), CATHOLIC KWANDONG UNIVERSITY, Korea

14.00	A Study on Hydrodynamic Characteristics and Resulting Morphological Formation of Sand Spit around the Tenryu River Mouth based-on Image Analysis <i>Wakhidatik Nurfaida, Shinji Sato – Japan</i>
14.18	Observation of flood-driven sediment transport and deposition off a river mouth <i>Shin-ichi Aoki, Shigeru Kato, Takumi Okabe – Japan</i>
14.36	Significance Of Wave And Tide Induced Circulation In Development Of A Fishery Harbour <i>S. N. Jha, V. B. Sharma, J. Sinha, M. D. Kudale – India</i>
14.54	The effect of regulation projects on the water and sediment dynamic in bifurcation estuaries <i>PAN Yun, DOU Xiping, GAO Xiangyu, JIAO Zengxiang, DING Lei – China</i>
15.12	Drifting Motion of Vehicles in Tsunami Inundation Flow <i>Shintaro Yamauchi, Wataru Kioka, Toshikazu Kitano – Japan</i>



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<b>TS05: COASTAL AND PORT MANAGEMENT -1 (HALL – 1) Chair: Dr. K. D. Suh (Seoul National University), Korea</b>	
14.00	Tsunami Mitigation Plan for Manakarra Beach of West Sulawesi Province, Indonesia <b>Achmad Yasir Baeda</b> , <i>Dadang Ahmad Suriamihardj ,Hasdinar Umar , Taufiqur Rachman – Indonesia</i>
14.18	Potential assessment of tidal stream energy around Hulu Island, China <b>Peng Gao</b> , <i>Jinhai Zheng, Jisheng Zhang , Tiantian Zhang – China</i>
14.36	Tidal stream energy in China <i>Jinhai Zheng , Peng Dai, Jisheng Zhang – China</i>
14.54	Shoreline Devastation Of Hota Coast By Man-Made Causes <b>Akio Kobayashi</b> , <i>Takaaki Uda, Yasuhito Noshi – Japan</i>
15.12	Wave Climate For The Design Of Island Structures (Union Territory Lakshadweep) <b>V.Kumaran</b> , <i>K.Nagamani, M.V.Ramana murthy, C.Mullaivendhan – India</i>

<b>TS06: PORT AND COASTAL ENGINEERING -2 (HALL – 2) Chair: Dr. Koji Kawasaki , Hydro-soft Technology Institute, Co, Ltd, Japan</b>	
14.00	Numerical simulation of wave interaction with coastal structures using a CIP-based method <b>Xizeng Zhao</b> , <i>Xinggang Wang, Qihua Zuo – China</i>
14.18	Numerical investigation of nonlinear wave scattering by a horizontal submerged plate <b>Dezhi Ning</b> , <i>Qingxin Li, Hongxing Lin, Bin Teng – China</i>
14.36	Numerical Modelling of wave interaction with Double Curtain –wall Breakwater <b>Yuliang Zhu</b> , <i>Yu Li , Aifeng Tao, Jisheng Zhang – China</i>
14.54	Design of a numerical wave tank and wave flume for low steepness waves in deep and intermediate water <i>Jyotirmay Banerjee , Shaswat Saincher – India</i>
15.12	Design of safe mooring arrangement for large Oil Tankers <b>S. N. Das</b> , <i>S. Kulkarni, M. D. Kudale – India</i>

1600-1730

TECHNICAL SESSIONS

07 Sep

<b>TS07: HYDRODYNAMICS AND MORPHODYNAMICS– 3 (AUDITORIUM) Chair: Dr. C.H. Lee</b>	
16.00	The field of flow structures generated by a wave of viscous fluid around a vertical circular cylinder piercing the free surface <b>Giancarlo Alfonsi</b> , <i>Agostino Lauria, Leonardo Primavera – Italy</i>



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16.18	Spectral estimation of wave height using wavelet variance <i>Byungho Kang, Kyu Han Kim – Korea</i>
16.36	Three-Dimensional CFD Modeling of Combined Wave and Current Scour around a Vertical Pile with REEF3D <i>Nadeem Ahmad, Hans Bihs, Arun Kamath, Oivind A Arntsen – Norway</i>
16.54	Evolution of an alluvial Tidal Creek - A case study <i>Kalyan Chakraborty, Pinki Mandal Sahoo – India</i>
17.12	Approach Towards ICZM Plan preparation for TamilNadu Coast, India <i>Senthil Dhamodharan, Flemming Jakobsen, Bibekananda Padhy - India</i>

### TS08: COASTAL ZONE MANAGEMENT & ENVIRONMENT-2 (HALL – 1)

Chair: Dr. Akio Kobayashi, Nihon University, Japan

16.00	Elongation Of Sand Spit And Profile Changes On Sloping Shallow Seabed <i>Shiho Miyahara, Takaaki Uda, Masumi Serizawa, Toshiro San-nami – Japan</i>
16.18	Formation, growth and variability of sand spit at Rushikulya River mouth, South Odisha coast, India <i>Umakanta Pradhan, Pravakar Mishra, Pratap Kumar Mohanty, Balaji Behera- India</i>
16.36	Evaluation Of Sand Supply From Coral Reef - Example Of Carbonate Beaches Near Point Kin In Okinawa <i>Toshinori Ishikawa, Takaaki Uda, Toshiro San-nami – Japan</i>
16.54	Bathymetric Mapping Using Landsat 8 Satellite Imagery <i>Jagalingam P, Akshaya B J, Arkal Vittal Hegde- India</i>
17.12	Ship Wave Crests in Whole Water Depths <i>Changhoon Lee - Korea</i>

### TS09: PORT AND COASTAL ENGINEERING -3 (HALL – 2)

Chair: Prof. ZHANG Jinshan, Nanjing Hydraulic Research Institute, China

16.00	Experiment Research on Reduction Measures of Sediment Siltation of the Power Plant Port under the Long Period Wave <i>Tan Zhong-hua, Liu Hai-cheng, Gao Feng – China</i>
16.18	Laboratory Study on the Instability of Pavements Due to Tsunami Flooding <i>Arun Kumar Sharma, Shinji Sato – Japan</i>
16.36	Application of Artificial Neural Networks in Tide-Forecasting <i>B.L. Meena, J.D. Agrawal – India</i>
16.54	Experimental Study on the Impact of Filter Layer Permeability on Revetment Stability under Wave Action <i>Liehong Ju, Junning Pan, Fan Yang, Yi Ren – China</i>
17.12	An Experimental Study on Dynamic Response of Geotextile Structures in Regular Waves <i>Xiao JIA, Hua LIU, Bin XU – China</i>





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**TUESDAY 08<sup>th</sup> SEPTEMBER 2015**

**0900-1030**

**TECHNICAL SESSIONS**

**08 Sep**

<b>TS10: HYDRODYNAMICS AND MORPHODYNAMICS– 4 (AUDITORIUM)</b> <b>Chair: Prof. V.Anantha Subramanian, IIT Madras, India</b>	
<b>09.00</b>	Process Research on Estuarine Turbidity Maximum And Mouth Bar of Yangtze Estuary after the Improvement Works <i>HAN Yufang, LU Chuanteng – China</i>
<b>09.18</b>	The along-channel salinity distribution and its response to river discharge in tidally-dominated Han River estuary, South Korea <i>Byung Il Yoon, Seung-Buhm Woo – South Korea</i>
<b>09.36</b>	Study on activities and concentration of saltwater group in the south branch in Yangtze River Estuary <i>Wu Dean, Shao Yuchen, Ding Jian, Pan Jinxian – China</i>
<b>09.54</b>	Morphological Effect Of Suction Dynamics On Stability Of Intertidal Multiple Bars: Field Survey And Numerical Study <i>Hajime Shirozu, Shinji Sassa, Makoto Miyatake, Takaomi Hokamura, Sota Nakajo – Japan</i>
<b>09.12</b>	Directional asymmetry in random waves near shallow water regions-Its application in physical modelling <i>Jagadeesh H B, Subbarao, Nagendra T, Chalawadi A S T – India</i>

<b>TS11: COASTAL ZONE MANAGEMENT &amp; ENVIRONMENT-3 (HALL – 1)</b> <b>Chair: Dr. Takaaki Uda, Public Works Research Center, Japan</b>	
<b>09.00</b>	Estimation of shoreline position and change using high resolution images <i>Bumshick Shin, Kyuhan Kim- Korea</i>
<b>08.18</b>	Analysis of shoreline retreat by peak storms using Hasaki Coast Japan data <i>Nadeem Ahmad, Takayuki Suzuki, Masayuki Banno – Japan</i>
<b>09.36</b>	Estimation of long and short term shoreline changes along Andhra Pradesh coast using Remote Sensing and GIS Techniques. <i>R. S. Kankara, S. Chenthamil Selvan, Vipin J. Markose, B. Rajan, S. Arockiaraj – India</i>
<b>09.54</b>	Dredged Material Dumping Site Selection Using Mathematical Models <i>V. K. Shukla, V. D. Konkane, T. Nagendra, J. D. Agrawal – India</i>
<b>10.12</b>	Pilot Study on Flexible Seawalls using GRW System at Alleppey, Kerala, India <i>Rohit Chaturvedi – India</i>



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<b>TS12: PORT AND COASTAL ENGINEERING -4 (HALL – 2)</b> <b>Chair: Prof.LIU Haijiang, Zhejiang University, China</b>	
<b>09.00</b>	Dynamic Analysis of an Offshore Wind Turbine including Soil Effects <i>K.A. Abhinav, Nilanjan Saha – India</i>
<b>09.18</b>	Numerical Investigation of Motion Response of Two Model Ships in Regular Waves <i>Ruoshi Cha, Decheng Wan – China</i>
<b>09.36</b>	Dynamic response of pile-cap structure under random sea wave action <i>Li Ya , Cheng Zekun, Ni Qinqin – China</i>
<b>09.54</b>	Dynamic Analysis Of J-Lay Pipeline <i>Senthil B, R Panneer Selvam – India</i>
<b>10.12</b>	Design of Fishing Harbour Layout in High Littoral Drift Zone <i>Santosh K. Kori, Amol S. Borkar, A. M. Vaidya, M. D. Kudale – India</i>

### 1100-1130      KEYNOTE-II (Auditorium)      08 Sep

Chair: Dr. Jinhai ZHENG, China

**Analysis of Sediment Siltation of Yangtze Estuary Deepwater Channel, China**  
*Dr. DOU Xiping, Chief Engineer, Nanjing Hydraulic Research Institute (NHRI), China*

### 1130-1300      TECHNICAL SESSIONS      08 Sep

<b>TS13: HYDRODYNAMICS AND MORPHODYNAMICS– 5 (AUDITORIUM)</b> <b>Chair: Prof.C.K. Pyun, Dept. of Civil &amp; Environmental Eng. Myong Ji University, Korea</b>	
<b>11.30</b>	Classification of tidal inlets along central west coast of India <i>Vikas M, N. Amaranatha Reddy, Subba Rao, Jaya Kumar Seelam – India</i>
<b>11.48</b>	Classification of tidal inlets along coast on the central east coast of India <i>N. Amaranatha Reddy, M. Vikas, Subba Rao, Jaya Kumar Seelam - India</i>
<b>12.08</b>	Revisit tidal simulation of 1592 Hansan Naval Battle <i>Byung Ho Choi , Kyeong Ok Kim , Jin-Hee Yuk - Korea</i>
<b>12.24</b>	Interactions of Tsunami oscillations implied from the 2011 Tohoku Tsunami records analysis using Hilbert-Huang Transform <i>Han Soo Lee – Japan</i>
<b>12.42</b>	2HD Analysis of Morphologic Responses to the Tsunami Impacts using Process-based Model <i>Sangyoung Son , Tae-Hwa Jung – Korea</i>



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### TS14: EXTREME COASTAL EVENTS – I

(HALL – 1)

**Chair: Dr Stefan Schimmels, University of Hannover, Germany**

11.30	Characteristics of Wave Grouping and Freak Wave Observed by Two Typhoons <i>Zhantao ZHUO, Shinji SATO, Japan</i>
11.48	Numerical Simulation of freak waves in random sea state <i>Xia Weida, Yuxiang Ma, Guohai Dong, China</i>
12.08	Numerical Simulation of Tsunami Run-up and Inundation Employing Horizontal Two-Dimensional Model Based on CIP Method <i>Koji Kawasaki, Kazuki Suzuki, Japan</i>
12.24	Numerical simulation of storm surge in the submerged radial sandbars of the Southern Yellow Sea, China <i>ZHANG Jinshan, WANG Jincheng, ZHANG Weisheng, CAI Xiangyun - China</i>
12.42	High Waves in the West Coast of Korea during Winter Season Generated by Excessively Developed Low Pressure <i>Sang-Ho Oh, Weon-Mu Jeong, Kyung-Ho Ryu, Sang-Ik Kim - Korea</i>

### TS15: PORT AND COASTAL ENGINEERING -5

(HALL – 2)

**Chair: Prof.LIU Hua, Shanghai Jiao Tong University, China**

11.30	Hydraulic model studies for the design of submerged offshore reefs for the coastal protection measures <i>A.V.Mahalingaiah, B.R.Tayade, N.V.Gokhale, M.D.Kudale - India</i>
11.48	Pressures on Gabion Boxes as Artificial Reef Units <i>Srineash V K, Murali K - India</i>
12.08	Prediction of wave transmission characteristics at submerged reef breakwater <i>Sindhu S, Kiran G. Shirlal, Manu – India</i>
12.24	Pressure Acting on Underside of Bridge Deck <i>Susumu Araki- Japan</i>
12.42	Horizontal vibration of an underwater foundation on a poroelastic stratum <i>Rui He, Chunyan Zhou – China</i>

**1400 - 1530**

**SYMPOSIUM**

**08 Sep**

### SY01: RECENT ADVANCES -NUMERICAL AND PHYSICAL MODELLING IN COASTAL ENGG. (AUDITORIUM)

**Chair: Prof.M.C. Deo, I.I.T. Bombay, India**

14.00	Experiences and advances of physical wave modelling in large scale wave flume and basins <i>Stefan Schimmels – Germany</i>
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14.30	Recent Progress of Numerical Simulation and Hydraulic Laboratory Experiment for Tsunami and Storm Surge Study <i>Tomoya Shibayama – Japan</i>
15.00	Development of Numerical Techniques for Complex Ship and Coastal Engineering Flows <i>Decheng Wan – China</i>

1400 - 1530

TECHNICAL SESSIONS

08 Sep

TS16: COASTAL AND PORT MANAGEMENT-2 (HALL-2) Chair: Dr. Yoshimitsu Tajima, Japan	
14.00	A study on the impacts of Land-use/ Land-cover changes on shoreline changes along South Gujarat coastline <i>Misra, A, Balaji, R – India</i>
14.18	Impact of dynamic morphology change on storm surge disaster risks along the Meghna Estuary <i>Yoshimitsu Tajima, Yoshihiro Hamada, Mohammad Asad Hussain – Japan</i>
14.36	Sensitivity analysis Maximum Height of Tsunami at the Uljin Nuclear Power Plant, South Korea <i>Chaewook Lim, Beomjin Park, Seung-Buhm Woo, Min-Kyu Kim – South Korea</i>
14.54	Estimation of cross- shore water depth profiles and elevation of their near – shore fluctuation , using X- band radar data <i>Komail Rafiei Dastjerdi, Satoshi Takewaka – Japan</i>
15.12	Effects Of Construction Of Offshore Breakwaters In Segmentation Of A Slender Water Body <i>Masumi Serizawa, Takaaki Uda, Shiho Miyahara – Japan</i>

1600-1730

SYMPOSIUM

08 Sep

SY02: RECENT ADVANCES - NUMERICAL AND PHYSICAL MODELLING IN COASTAL ENGG. (AUDITORIUM) Chair: Prof. M.C. Deo, I.I.T. Bombay, India	
16.00	U-OWC devices embodied into breakwaters: the first prototype in the Mediterranean Sea and small scale field experiments in the NOEL lab <i>Felice Arena – Italy</i>
16.30	New attempts in physical modeling of flexible vegetation and VIV energy devices <i>K.Murali – IIT Madras</i>
17.00	REEF3D – A Numerical model for wave structure interaction problems <i>Hans Bihs, NTNU, Norway</i>



## 8<sup>th</sup> International Conference on Asian and Pacific Coasts (APAC 2015)

1600-1730

TECHNICAL SESSIONS

08 Sep

<b>TS17: EXTREME COASTAL EVENTS-2 (HALL – 2)</b>	
<b>Chair: Dr Tomoya Shibayama, Waseda University, Japan</b>	
16.00	Evaluation of Storm Surge Caused by Typhoon Yolanda (2013) and Using Weather - Storm Surge - Wave - Tide Model <i>Ryota Nakamura, Oyama Takahiro, Tomoya Shibayama, Esteban Miguel, Hiroshi Takagi – Japan</i>
16.18	Storm surge and storm waves modelling due to Typhoon Haiyan in November 2013 with improved dynamic meteorological conditions. <i>Han Soo Lee - Japan, Kyeong Ok Kim – Korea</i>
16.36	Numerical study of typhoon-induced storm surge in the Yangtze Estuary of China using a coupled 3D model <i>Zhenhua Pan, Hua Liu – China</i>
16.54	Modeling Tsunami in South China Sea with Boussinesq equations <i>Zhiyuan Ren, Hua Biu – China</i>
17.12	Tide and storm surge simulation for Ryo-Mong invasion to Hakata Bay <i>Byung Ho Choi, Jin-Hee Yuk, Kyeong Ok Kim, Minsu Joh – China</i>

## WEDNESDAY 09<sup>th</sup> SEPTEMBER 2015

0900-1030

TECHNICAL SESSIONS

09 Sep

<b>TS18: HYDRODYNAMICS &amp; MORPHODYNAMICS– 6 (AUDITORIUM)</b>	
<b>Chair: Dr. Hans Bihs, NTNU, Norway</b>	
09.00	Hydrodynamics and water quality in Chilika Lagoon- A modelling approach <i>U.S. Panda, M. M. Mahanty, V. Ranga Rao, S.Patra, P.Mishra - India</i>
09.18	Deep seawater flow characteristics around the manganese nodule collecting device <i>Sung Jin Lim, Jong Won Kim, Shin Taek Jung, Hong Yeon Cho, Sang Ho Lee – South Korea</i>
09.36	Study on impact of runoff on saltwater intruding from the north branch in the Changjiang Estuary <i>Shao Yuchen, Wu Dean, Ding Jian, Pan Jinxian – China</i>
09.54	Study on variability of residual current and salinity structure according to river discharge at the Yeoungsan River Estuary, South Korea <i>Jin Il Song, Seung-Buhm Woo – South Korea</i>
10.12	Investigation of spectra variations of wave groups in finite depth <i>Yuxiang Ma, Xiaozhou Ma, Guohai Dong – China</i>



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<b>TS19: COASTAL ZONE MANAGEMENT &amp; ENVIRONMENT – 4 (HALL – 1)</b> <b>Chair: Prof. A.V.Hegde, NIT Surathkal, India</b>	
<b>09.00</b>	Essential Aspects Of Beach Erosion - Lessons From Devastation Of Ichinomiya Coast, Japan <i>Satoquo Seino , Takaaki Uda, Yasuro Ohtani, Yasuhiro Ohki – Japan</i>
<b>09.18</b>	Beach Erosion Downcoast Of Pengambangan Fishing Port in western part of Bali Island <i>Takaaki Uda , S Onaka, Masumi Serizawa – Japan</i>
<b>09.36</b>	Field surveys of Recent Storm Surge Disasters <i>Tomoya Shibayama – Japan</i>
<b>09.54</b>	Physical model studies on stability of Geotextile Sand Containers <i>Kiran Gangadhar Shirlal, Ramesh Reddy Mallidi – India</i>
<b>10.12</b>	Effect of climate change on wind persistence at selected Indian offshore locations <i>Sumeet Kulkarni, M C Deo, Subimal Ghosh – India</i>

<b>TS20: PORT &amp; COASTAL ENGINEERING-6 (HALL – 2)</b> <b>Chair: Prof.ZHANG Jisheng, Hohai University, China</b>	
<b>09.00</b>	Predicting Short term extreme response of Spar offshore Floating Wind Turbine <i>Neeraj Agarwal , R Manikandan , Nilanjan Saha</i>
<b>09.18</b>	Behavioral Characteristics Of Multilevel Decomposition Systems Of Neuro-Wavelet In Wave Forecasting <i>Pradnya Dixit , Shreenivas Londhe, Shalaka Shah - India</i>
<b>09.36</b>	Application Of Geno- Wavelet Technique To Improve The Location Specific Wave Forecasts <i>Shreenivas Londhe, Pradnya Dixit, Shweta Narkhede - India</i>
<b>09.54</b>	An Extended Poisson test for detecting the difference between the past and future rates of extremes of sea wave height <i>Toshikazu Kitano, Sivaranjani Jayaprasad, Wataru Kioka - Japan</i>
<b>10.12</b>	Estimation of Stability Number of Rock Armor Using Principal Components as Input Variable of Artificial Neural Network <i>Anzy Lee, Sung Eun Kim, Kyung-Duck Suh – Korea</i>

**1100-1130**

**KEYNOTE - III (Auditorium)**

**9 Sep**

**Chair: Prof. Shin-ichi AOKI, Osaka University, Japan**

**Dredge and Application Plan of Dredged Sediments**

**Prof. Pyun Chong-Kun,**

*Emeritus Professor, Dept. of Civil & Environmental Engg, Myong Ji University, Korea*



## 8<sup>th</sup> International Conference on Asian and Pacific Coasts (APAC 2015)

**1130-1300**
**TECHNICAL SESSIONS**
**9 Sep**
**TS21: HYDRODYNAMICS & MORPHODYNAMICS– 7 (AUDITORIUM)**
**Chair: Prof. R. Paneerselvam, IIT Madras, INDIA**

11.30	Weekly Prediction of tides using Neural networks <i>Akhil Muhammad Salim , Dr. G.S. Dwarakish, Liju K.V , Justin Thomas, Gayathri Devi, Rajeesh R – India</i>
11.48	Impact of Microphysics Scheme in the Simulation of Cyclone Phailin using WRF model <i>Biranchi Kumar Mahala, Pratap Kumar Mohanty, Birendra Kumar Nayak - India</i>
12.06	Edge waves generated by external forces <i>Seung-Nam Seo – Korea</i>
12.24	Numerical Simulation Of Formation Of Cuspate Foreland Behind An Offshore Breakwater Built In A Lake <i>Takaaki Uda – Japan</i>
12.42	The Investigation Technique of Wave Induced Currents to find the cause of Beach Erosion <i>Seo Jin Sung , kyutae shim, Bumshick Shin , Jinseong Seo -Korea</i>

**TS22: COASTAL ZONE MANAGEMENT & ENVIRONMENT – 5 (HALL – 1)**
**Chair: Dr. K. M. Ahn, Handong Global University, Korea**

11.30	Textural Characterization of Sediments along Tamil Nadu coast, East coast of India <i>Sathish Sathasivam, R.S.Kankara, S. Chenthamil Selvan, Manikandan Muthusamy, Arockiaraj Samykannu, Rajan Bhoopathi – India</i>
11.48	Coastal water quality monitoring and modelling off Chennai city <i>Pravakar Mishra, Uma Sankar Panda, Umakanta Pradhan, C.Saravana Kumar, Subrat Naik, Mehmuna Begum, J. Ishwarya – India</i>
12.06	A Study on Hydrodynamic Behaviour of SW coast of India – Implication to Ecosystem Model <i>V RangaRao , K. Ramu, S. K. Dash, S. Patra, K. Vishnuvardhan, V. Damodara Rao and R. Mohan – India</i>
12.24	Bioremediation of Costal and Marine Pollution due to Crude Oil using a Microorganism Bacillus subtilis <i>N. Sakthipriya , Mukesh Doble, Jitendra S. Sangwai – India</i>

**TS23: PORT& COASTAL ENGINEERING-7 (HALL – 2)**
**Chair: Prof.WAN Decheng, School of Naval Architecture, Shanghai, China**

11.30	Response of slender vertical cylinder under breaking waves <i>Manjula R, S.A.Sannasiraj – India</i>
11.48	Wave forces on an Oscillating Water Column Device <i>John Ashlin S, Sannasiraj. S. A, Sundar. V – India</i>



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12.06	Effects of Stiffness on Performance of Diaphragm Wall <i>Yajneswaran B, Akshay P.R, Rajasekaran C, Subba Rao- India</i>
12.24	The Group Effect on the Negative Skin Friction on the Pile in Consolidating Ground <i>Ting Huang , Jinhai Zheng, Weiming Gong- China</i>
12.42	Application of Thermal Shear Stress Gauge in Study on Shear Stress Measurement on Underwater Bed Surface <i>XU Hua , XIA Yun-feng, MA Bing-he, HAO Si-yu, ZHANG Shi-zhao, CAI Zhe-wei – China</i>

### 1400-1530 TECHNICAL SESSIONS 9 Sep

TS24: HYDRODYNAMICS & MORPHODYNAMICS– 8 (AUDITORIUM) Chair: Dr Achmad Yasir Baeda, Hasanuddin University , Indonesia	
14.00	Nonlinear transformation of waves above submerged structures <i>Yana Saprykina, Sergey Kuznetsov, Dmitry Korzinin – Russia</i>
14.18	Study On Local Scouring Of Gravel Mound Due To Tsunami Overflow <i>AkhmadAdiSulianto , Keisuke Murakami – Japan</i>
14.36	Effect of artificial vegetation on wave attenuation - an experimental investigation <i>Beena Mary John, Kiran G. Shirlal, Subba Rao- India</i>
14.54	CFD Simulations to Determine Wave Forces on a Row of Cylinders <i>Arun Kamath, Hans Bihs , Mayilvahanan Alagan Chella , Oivind A Arntsen - Norway</i>
15.12	ESTUARY CHOKING IN LAKE TOUFUTSU, JAPAN <i>Takehito Horie , Hitoshi Tanaka , Japan</i>

TS25: PHYSICAL MODELLING – 1 (HALL – 1) Chair: Dr. Susumu Araki, Dept. of Civil Engineering, Osaka University, Japan	
14.00	Laboratory study on the breaking characteristics of deep-water breaking waves <i>Liang Shuxiu, Sun Zhaochen, Zhang Yihui, Shen Jiafa, Zhang Yifei – China</i>
14.18	Swash seepage velocity estimation using image analysis <i>Xiaohu Deng, Haijiang Liu, Zhixuan Cheng, Kungpeng Wang – China</i>
14.36	A study on regional sea level variation along the Indian Coast <i>Piyali chowdhury, Manasa Ranjan Behera – India</i>
14.54	A Study on Runup of Nonbreaking Double Solitary Waves on Plane Slope <i>Wei Wu, Hua Liu, Yongliu Fang - China</i>





## 8<sup>th</sup> International Conference on Asian and Pacific Coasts (APAC 2015)

<b>TS26: PORT &amp; COASTAL ENGINEERING-8 (HALL – 2)</b> <b>Chair: Prof.JIANG Changbo, Changsha University of Science &amp; Technology</b>	
14.00	Wave energy harvesting turbine: performance enhancement <i>Paresh Halder, <b>Abdus Samad</b> – India</i>
14.18	Experimental Investigations On Wave Transformation At Submerged Breakwater With Smooth And Steeped Slopes <i><b>Loksha</b> – India , Kerpen.N.B – Germany , Sannasiraj.S.A - India, Sundar.V - India, Schlurmann.T – Germany</i>
14.36	Introduction of the World Largest Wave Flume Constructed by TIWTE <i>Huaqing Zhang, <b>Baolei Geng</b> – China</i>
14.54	Dredging Of Vila do Conde Harbours, Portugal. Contamination Of Sediments. <i>Alexandre Santos-Ferreira, Elisabete Dias, <b>Paula F. da Silva</b>, Cláudia Santos, Mónica Cabral – Portugal</i>
15.12	Research of Flow Characteristics on Spilling Waves <i><b>Gao Xiang</b>, Dou Xiping, Gaozhengrong, Ding Lei, Pan Yun – China</i>

<b>1600-1730</b>	<b>TECHNICAL SESSIONS</b>	<b>9 Sep</b>
<b>TS27: HYDRODYNAMICS &amp; MORPHODYNAMICS– 9 (AUDITORIUM)</b> <b>Chair: Prof Subba Rao, NIT Surathkal, Karnataka</b>		
16.00	Impact of SST on tropical cyclones in North Indian Ocean <i><b>Maneesha Sebastian</b>, Manasa Ranjan Behera – India</i>	
16.18	Algorithm for the detection of currents and water-depth using X-band marine radar <i><b>Kyungmo Ahn</b> , Chan Young Oh, Hwusub Chun- South Korea</i>	
16.36	Local Hydrodynamics And The Siltation Of Vila Praia De Âncora Harbour. <i>Alexandre Santos-Ferreira, <b>Cláudia Santos</b>, Mónica Cabral – Portugal</i>	
16.54	Analysis Of Wave Groups In Crossing Seas Using Hilbert Huang Transformation <i><b>Senthilkumar R</b> – India , A Romolo – Italy , V Fiamma – Italy , F Arena- Italy , Murali K – India</i>	

<b>TS28: COASTAL &amp; PORT MANAGEMENT-3 (HALL – 1)</b> <b>Chair: Dr. Satoquo Seino, Kyushu University, Graduate School of Engineering, Japan</b>	
16.00	Beach Changes Observed In Phan Rang City In Southeast Vietnam <i><b>Yasuhito Noshi</b>, Takaaki Uda, Akio Kobayashi, Shiho Miyahara, Masumi Serizawa – Japan</i>
16.18	Impacts of Ports on shoreline change along Odisha coast <i><b>Pratap Kumar Mohanty</b>, Shraban K. Barik, Prabin K. Kar, Balaji Behera, Pravakar Mishra – India</i>



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16.36	Beach Profile Changes Due To Low Crested Breakwaters At Sari Beach, Pekalongan, North Coast Of Central Java <i>Dede M. Sulaiman, Huda Bachtiar, Ahmad Taufiq, Hermanto – Indonesia</i>
16.54	Study of Beach Erosion and Evolution of Beach Profile Due to Nearshore Bar Sand Dredging <i>Duc Thang Chu - Japan, Gen Himori - Japan, Yuki Saito - Japan, Trong Vinh Bui - Veitnam, Shin-ichi Aoki – Japan</i>
17.12	Silatation and Coastal Erosion at Shoreline Harbours <i>K G S Sarma – India</i>

TS29: PORT & COASTAL ENGINEERING-9 (HALL – 2)	
Chair: Prof.SUN Zhaochen, Dalian University of Technology, China	
16.00	Solitary Wave Interaction With Porous Structures <i>Vu Van Nghi, LEE Changhoon – Korea</i>
16.18	A Study of Wave Power on Wharf Abutment Structure <i>Huang Hailong, Shi Xiaoping, Zhang Xuejun, Li Yuan – China</i>
16.36	On Estimation Of Wave Forces On Seawater Intake Caisson In High Energy Environment Using Field Investigations <i>K. Mullai Vendhan, M.V. Ramana Murthy, V. Sundar – India</i>
16.54	A Note on Probability Design of Wave Model Tests <i>Zuo Qihua, Teng Ling, Du Qifeng – China</i>
17.12	Detached Breakwaters Effects on Tsunamis around Coastal Dykes <i>Takahito Mikami, Mizuho Kinoshita, Shunya Matsuba, Shun Watanabe, Tomoya Shibayama – Japan</i>