

PIANC WORLD CONGRESS 2010: LIVERPOOL - UK

AUTHOR(S)	COUNTRY	TITLE
Aarninkhof	Netherlands	Sustainable development of nourished coastlines innovations in project design and realisation
Adams R.	Belgium	Dealing with salt intrusion and water shortage in the future Seine Scheldt West Liaison
Agrawal Vijay	USA	Highly productive, dense and automated container terminal operating system trends
Allsop N.W.H.	UK	A database of major breakwaters around the world
Arikawa T.	Japan	Large tsunami experiments
Artières O.	France	Fiber optics monitoring solution for canal dykes
Bayart P.	Belgium	Water resources for the Sein-Scheldt-East project
Beelen Marjan	Belgium	The increasing importance of niche markets in inland navigation and its influence on capacity
Birchenough	UK	Monitoring of dredged material disposal sites at sea and how it links to licensing decisions
Black K.	UK	Contaminated dredged marine sediments: developing a management framework for the UK context*
Blandon Carlos A.	Italy	Seismic analysis and design of pile supported and block work wharves
Bois Jean Philippe	France	Restoring Navigability to the upper Rhone
Bousmar D.	Belgium	The ports for the new class Vib lock at Ivoz-Ramet, River Meuse, Belgium
Bouwsma s.c.	Netherlands	Traffic management for the Juliana Canal
Briggs	USA	Comparison of PIANC and CADET ship squat predictions [NEW]
Brooke Jan	UK	Working with nature
Brooke Jan	UK	Climate change : mitigation and adaption measures for inland waterways in England and Wales
Browne T.	USA	Emerging materials for the marine environment : a summary of PIANC RecCom WG 15 activities and publication
Byrne David	UK	Innovation in the design of floating passenger and RoRo freight facilities on the river Mersey
Cann Anne	USA	Planning navigation infrastructure for an uncertain future
Clarke	UK	Design and construction considerations for floating marine structures
Clarke Martin	UK	The Liverpool Canal Link
Clasmeier H.D.	Germany	Feasibility study for renewing the 'Great Sea-Lock" in the port of Emden
Clijncke A.	Netherlands	Maasvlakte 2 : development of the master plan
Cofalla Catrina	Germany	Flood search I - Investigating the eco-toxicological relevance of remobilized sediments under flood conditions for inland waterways
Craig E. Philip	USA	Achieving vessel safety improvements using on-board tracking/recording systems
D.M.Saha and Jaegers	Germany	International Safety guide for inland navigation tank-barges and terminals (ISGINTT)
Dafu Cai	China	Design of channel regulation project for Daijiazhou river stretch in the Middle Yangtze river
Daniel R. & Tromp A.	Netherlands	Damage and repair of an old weir gate in the Meuse after calamity

de Bont J.A.M.	Netherlands	Numerical modeling of waves and motions of ships moored with MoorMaster™ units in the Port of Salalah
de Bruyn B.	France	Improve the environmental studies quality of the projects of inland waterways
De Clercq B.	Belgium	New European standard for calamity information exchange on inland waterways
de Gijt J.G.	Netherlands	The design of the hydraulic fill for the GATE terminal in Rotterdam
De Jong Martijn	Netherlands	Channel depth, ship motions and limiting wave conditions for exit manoeuvres of Astute Class Submarines, Barrow-in-Furness, UK
De Jong Michiel	Netherlands	Developing the Kyung In Canal between Icheon and Seoul as a short sea destination and IWT project in Republic of Korea
De Meyer P.	Belgium	Removing an inland navigation bottle-neck : the transit of the river Lys in Kortrijk
De Mulder	Belgium	On hawser force criteria for navigation lock design
De Pooter P.	Belgium	Manifa (Saudi Arabia) Large scale experiences with breakwaters
De Roo S.	Belgium	Field monitoring of ship-induced loads on (alternative) bank protections of non-tidal waterways
De Wolf P.	Belgium	Harbour of Ostend : layout of beakwaters and seawall inside the harbour
Demenet Pierre François	France	Passing vessel interaction study with moored ships - Application to moored large containers
den Heijer Frank	Netherlands	The development of a substitution strategy for hydraulic structures, an opportunity to meet new challenges in a new century
Dumortier Sven	Belgium	Upgrade of the jetty approach trestle at South Hook LNG import terminal jetty, Milford Haven
Dupray S.	France	New guidance for the use of concrete in maritime engineering
E. Fuchs	Germany	Planning with nature on waterways by help of ecological modelling software
Eloot Katrien	Belgium	Synergy between theory and practice for ultra large containerships sailing to the port of Antwerp
EnviCom	Belgium	Working with Nature
Eprim Y.	Italy	Venice Malamocco Navigation Lock
Eusterbarkey	Germany	The contribution of aids to navigation to an efficient channel design
Eusterbarkey	Germany	Sustainable management of maritime services - the aids-to-navigation services as an example
Federico Sancho	Spain	Fatigue analysis for reinforced concrete maritime works, caissons and pile-supported port infrastructures
Fleischer P.	Germany	Experiences with revetments for inland waterways in Germany
Fleming G.	UK	A risk-based approach to disposal of TBT contaminated sediments
Galiana Mathieu	France	Feedback on the repairing works on French navigable dikes and banks
Gallicher Lavanne A.	France	Squat measurement in Seine : current navigation conditions and impact of the channel deepening
Gille J.	Netherlands	Towards EU emissions cap for maritime shipping?
Gille J.	Netherlands	Fuel economics in inland shipping
Grier D.	USA	Potential of short sea shipping in the US : a comparison with the European experience
Guenz T.	Germany	Container terminal development in the south of Viet Nam
Gussmagg G.	Austria	An assessment of the opportunities and risks of container transport on the Danube river between Austria and the Black Sea
H.Allender, Tant S.	France	Master plan for waterways maintenance

Hamer and de Boer	Netherlands	Maasvlakte 2 Contractual Approach
Hamoen G.	Netherlands	The development of the port of Eemshaven : innovative quay structures at the Port of Eemshaven, Eemsmoed, The Netherlands
Harvey Jim	Ireland	Developing a business process model for bridge management
Harvey Jim	Ireland	3D capture of bridges using laser technology
Harvey, Tony	UK	Stourport Basins Restoration - Maintaining And Building Heritage
Hawkes Peter	UK	Climate change and navigation : waterborne transport, ports and waterways : a review of climate change drivers, impacts, responses and mitigation
Headland	USA	Probabilistic optimization of ports including including effects of sedimentation
Hein C. & Kraemer I.	Germany	ULCS in Bremerhaven/Germany-Technical demands and experiences
Hekkenberg R.G.	Netherlands	The shape of things to come - an outlook on the inland navigation of the future
Hellebrand S.	Netherlands	Waiting facilities for inland shipping on Maasvlakte 2
Heuner and Schröder U.	Germany	From artificial to natural bank protection - an approach of re-design by applying models for reeds habitats in tidal River Elbe
Heuner Maike	Germany	Impacts of climate change require an adapted floodplain management of German estuaries
Hiraishi	Japan	Field survey on harbour disaster in Yangon Port due to cyclone Nargis
Hiraishi	Japan	Effect of coastal vegetation for reducing tsunami force in 2007 Solomon Island Earthquake Tsunami
Holland	UK	British Waterways' Asset Management Model
Holm	Finland	Navigation Safety Management on Finnish Waters
Holm	Finland	New innovations in inland navigation - Case Keitele Canal
Horchler Peter J.	Germany	Effects of climate change on river Rhine vegetation and its impact on managing navigable rivers
Hudson P.	UK	U534 the U-boat story, a story of regeneration
Hu-Yaan	China	Hydrodynamics of the filling and emptying system using unilateral main wall culvert with double valves in high head locks
Ishimoto Shouji	Japan	More parted precast concrete structure of the warf and revetment
Ji Lan	China	Probalistic design of channel widths
Joers F.R.	USA	Upper Mississippi lift-in-unit lock wall monoliths
Kaarsemaker M.H.A.	Netherlands	Evaluation of flow fields for their impact on Manoeuvring
Kant G.	Netherlands	Maasvlakte 2 reclamation : maintaining nautical safety during construction
Kapp Frans	South Africa	Sturrock dock sliding caisson - repairing a 65y old sliding caisson gate for Sturrock dry dock, Table Bay harbour, Cape Town, South Africa
Katou Hiroyuki	Japan	Tidal wave disaster by high waves on the coast of Nyuzen fishing port
Kirby	UK	Recent trends in application of generic sediment management systems
Kofalk S.	Germany	Facing the impacts on navigation and waterways by climate change : the German research program KLIWAS
Kuehni Katri	Germany	A maintenance system for waterways infrastructures
Kujala Nina	Finland	Development of procedures with Finnish Environmental Administration concerning dredging and disposal of contaminated sediments
Kwok Stephen	Canada	Adapting and developing hands free mooring for navigation locks

Lai Carlo;Bozzoni F	Italy	Seismic risk assessment and mitigation of Italian maritime port structures using GIS technology and guidelines for the design of new facilities
Leopold D.	Austria	E-learning platforms as an adequate instrument to achieve developments inland waterway transport
Lerouvillois D.	France	Needs and technologies for port security
Li-Zhonghua	China	Research and application of new hydro-shiplift for high dam navigation in China
Lobianco	Australia	Strategic Asset Management of the Port of Melbourne
Loman	Netherlands	Maasvlakte 2 project: design of an innovative cobble sea defence
van Damme, Verhaeghe	Belgium	The LNG-Terminal of Zeebrugge : future developments
Lucion C.	Belgium	Integrated and sustainable solutions for the treatment and valorization of dredging sediment : the "Solindus" project
M. Zuidgeest	Netherlands	Geo-morphological and hydrodynamic risks for dredged channels – A practical approach for definition and management
Macineira Alonso E.	Spain	Breakwater's construction in new port at Punta Langosteira - A Coruna, Spain
Mackie	South Africa	Keel blocks - forgotten heros
Mackie	South Africa	The 1890 Blackwood Screw Jack Shiplift, Barbados
Mallin Peter	UK	Isle of Man Runway Extension
Mangor	Denmark	Bypass Harbours at Littoral Transport Coasts
Martinez S.	Spain	Designing a new low-reflectivity quay wall caisson
McBride, Mark	UK	Horizontal and Vertical Channel Dimensions
Meng Dechen	China	Study on developing inland waterway transport and saving land resources
Miles P.	UK	Refurbishment and reconstruction of South Hook LNG import
Mishra KK	UK	Durability of rubber fenders in hot climates - The significance of the PIANC heat ageing specifications*
Morellato D.	France	Constitution of a numerical wave data-base along the French Mediterranean coasts through hind cast simulations over 1979-2002
Nybakk A.	Norway	Risk assessment of the sedements in the Harstad harbour, Norway
Nyvoll	Norway	Demolition of Battleship Murmansk
O'Brien W.T.	Australia	Risk mitigation through DUKC - Case study port of Melbourne
Osborn S.	UK	Maritime design standards in the 21st Century - aligning BS6349 to the Eurocodes
Osorio Paulo	Luxemburg	Examination of structural reliability analysis of quay walls with steel sheet piles
Pareau P.E.	France	The Rhone navigation management centre
Pauli G.	France	The greening of inland navigation - the case of Rhine navigation
Pingshan Chen	China	Study on Rapid-improvement technology on surface layer of ultra-soft ground
Plancke Yves	Belgium	A new disposal strategy for the Western Scheldt, conciliating port accessibility and nature preservation
Portugaels D.	Belgium	The Blanc Pain protection gate : the design of a security movable structure operated by remote control
Prario	Argentina	Processing of AIS information to improve channel design
Qi Xiulian	China	On construction of large-scale waterway at offshore reef island area

R. Kajatkari	Finland	Working with nature : Environmental efficiency in port projects and port use
Raaijmakers T.C./Verheij H	Netherlands	Ship wave reduction for an inland marina with a breakwater
Raujouan P.	France	Dredging in France - evolution of the practices
Reche	Germany	River information services (RIS) in Germany
Rigo Phillippe	Belgium	Innovations in Navigation Lock Design
Rigo Phillippe	Belgium	Pre-study of the hydraulic works for the Seine-Scheldt-East Project
Robertshaw G.	UK	Technical innovations for working in remote and exposed locations - experiences from the Isle of Scilly Harbour improvements project
Roux S.	France	Determination of hawser forces using numerical and physical models for the third set of Panama locks studies
S.Wassermann, Soehngen B;	Germany	Investigations to define minimum fairway widths for inland navigation channels
Sakakibara S.	Japan	Tsunami effects on ship motions and mooring loads
Sanchez Gonzalez	Spain	Stability of submerged groins under grazing wave incidence
Sannasiraj S.A.	India	"Development of Chennai Port Mega Terminal - issues and proposed solutions"
Sas Marc	Belgium	New PIANC guidelines for berthing structures, related to thrusters*
Sas Marc	Belgium	Study and 3d modeling of density and discharge currents of the third sets of Panama locks
Scherrer	France	Port of Le Havre facing the challenge of gigantism of container vessels
Schmidt Eckard	Germany	JadeWeserPort' deep water container terminal Wilhelmshaven/Germany
Shang Jian-ping	China	A simulation study for LNG terminal throughput capacity
Smedley M.	UK	European MarNIS project gives sea ports a new ris management tool
Stoschek O.	Germany	Optimization of an harbour channel in the Shastra estuary, India
Suzuki K.	Japan	Long term water quality monitoring at the mouth of Tokyo and Ise bays using ferry
T. Wachholz, M.Osterthun	Germany	Expansion of the river Weser to provide a modern inland waterway for connecting German seaports with hinterland terminals
Takayama	Japan	Development of urgently emerging Tsunami breakwater – Buoyancy -driven vertical piling system
Ten Broeke I.	Netherlands	Full implementation of inland AIS on the inland waterway networks of Netherlands and Germany
Thorenz C.	Germany	Numerical evaluation of the filling and emptying systems for the new Panama Canal locks
Toro Fernando	Belgium	Improvement of the navigation conditions on the Romanian-Bulgarian common sector of the Danube River
Trögl J.	Austria	River information services for logistics users
Ueda Shigeru	Japan	Reliability design of marine fender systems
van 't Hoff J.	Netherlands	Hydraulic fills manual
van der Kolff	Netherlands	The use of dredged sludge as a fill in the Osthafen, Bremerhaven Germany
van der Toorn	Netherlands	Old sluices never die, but what about shipping?
Van Haute F.	Belgium	How to protect your structure against MIC/ALWC - A practical approach of a proven solution
Van Schuylenburg	Netherlands	Container Transferium Rotterdam

Vellinga T.	Netherlands	Environmental monitoring construction Rotterdam port expansion Maasvlakte 2
Vercrujse P.M.	Netherlands	Steps towards development of green dredging technology
Verhagen H.J.	Netherlands	New developments in toe and berm design for breakwaters
Viggosson G.	Iceland	Landeyjahöfn Ferry Harbour at the South Coast of Iceland
Vytautas Paulauskas	Lithuania	Safety of high freeboard ships in ports
Wakeman Tom	USA	Overcoming the potential maritime barriers to international trade by countries-in-transition
Wang Feixin	China	Application of muddy soil filled geo-textile tubes in embankment engineering
Willems Cas	Netherlands	RIS on the way to maturity
Willems Cas	Netherlands	MarNIS - Maritime Navigation and information services
Wu Peng	China	Study on the land reclamation project in the Southwest water of Shatuozhi in Dalian port
Wu Peng	China	A combined system of loop culvert and through gate filling and emptying for navigation locks under heads from either direction
Xiao Li	USA	Engineering Measures to solve sedimentation issues in the vicinity of beach, boat launching ramp and Marina
Xiao Li	USA	Floating Breakwater modeling for recreational water park
Yan Hua	China	Research and application of technique of nautical depth in China
Yan Zhangxin	China	Study on the ship steering safety for Yangshan Deep Port of Shanghai International Shipping Center
Yang Guo-ping	China	Research on turning circle, braking distance and channel dimension of large vessels based on vessel observation
Zanetti R.	Netherlands	Improvement of European transport corridor VII in Serbia
Zappala S.	USA	Suspended sediment plumes associated with navigation dredging in the New York/New Jersey Harbor