



PIANC World Congress 2018 – The Belgian papers

2 October 2018
University Foundation
Egmontstraat 11 Rue d’Egmont, Brussels

PROGRAM

08:30 - 09:30	Reception + coffee	
09:30 – 09:45	Welcome PIANC Belgium	
	PORTS	
09:45 – 10:05	CASE STUDY: ENGINEERING OF A EPC 3KM JETTY FAST TRACK PROJECT H. Vander Meulen	
10:05 – 10:25	ON THE CAPACITY OF ESTUARINE ACCESS CHANNELS: A WESTERN SCHELDT CASE STUDY K. Delecluyse, S. Doorme, T. Vandenbroucke, R. Adams and Y. Meersschaut	
10:25 - 10:45	MASTERING LATENT DEFECTS IN MARITIME AND PORT ENGINEERING THROUGH TECHNICAL RISK MANAGEMENT F. Barbato, D. Martinez, W. Van Alboom	
10:45 - 11:15	Refreshment break	
	DREDGING / ENVIRONMENT	INLAND NAVIGATION / PORTS
11:15 - 11:35	TOWARDS IMPROVED PREDICTION OF DREDGING PLUMES: NUMERICAL AND PHYSICAL MODELLING B. Decrop, M. Sas	IMPROVING TRAFFIC FLOW ANALYSIS: THE INTEGRATION OF TRAJECTORY ANALYSIS IN CAPACITY MODELLING. A CASE STUDY APPLIED TO THE NORD- PAS-DE-CALAIS ECMT-VA-CANALS R. Adams, N. Zimmerman, S. Doorme, T. Vandenbroucke, C. Noël, K. De Decker, B. Pannemans, S. Page, X. Thorel, C. Laborie
11:35 - 11:55	ENHANCING WORKABILITY BY OPERATIONAL WAVE MODELLING F. Dekeuleneer, J. de Vroom, A. Mol	A NEW SEA LOCK IN TERNEUZEN WITH EQUAL DIMENSIONS AS THE PANAMA CANAL EXPANSION PROJECT K. Van Doorslaer, M. Bool, W. De Cock, H. Verbeek
11:55 - 12:15	DESIGN OF THE SCOUR PROTECTION LAYER FOR A BREAKWATER IN AN ESTUARINE ENVIRONMENT. W. Van Alboom	FULL-SCALE MEASUREMENTS TO ASSESS SQUAT AND VERTICAL MOTIONS IN EXPOSED SHALLOW WATER J. Verwilligen, M. Mansuy, M. Vantorre, K. Eloot
12:15 – 12:35	DOT.PRO. PROACTIVE MANAGEMENT	BUIDING A DECISION SUPPORT SYSTEM

	OF WATERWAY MAINTENANCE PROJECTS F. Goethals, A. Mol	FOR THE TERNEUZEN LOCKS C. Martens
12:35 - 13:30	Lunch	
	PORTS	INLAND NAVIGATION
13:30 - 13:50	MOTIONS OF MOORED VESSELS DUE TO PASSING VESSELS: FULL-SCALE MEASUREMENTS AT A CONTAINER TERMINAL IN THE PORT OF ANTWERP S. Ides	HYDRAULIC MEASUREMENTS AS SUPPORT TO LOCK COMMISSIONING: THE EXPERIENCE OF IVOZ-RAMET AND LANAYE LOCKS, BELGIUM C. Savary, D. Bousmar, C. Swartenbroeckx
13:50 - 14:10	CONTAINER SHIPS MOORED AT THE PORT OF ANTWERP: MODELLING RESPONSE TO PASSING VESSELS. T. Van Zwijnsvoorde, M. Vantorre, S. Ides	REENGINEERING VALVE OPENING LAW TO OPTIMISE LOCK LEVELLING: SOME CASE STUDIES D. Bousmar
14:10 - 14:30	BELGIAN ROYAL DECREE FOR SEA-GOING INLAND VESSELS: A REVIEW FOR CONTAINER AND BULK CARGO VESSELS L. Donatini, T. Van Zwijnsvoorde, Y. Meersschaut, W. Hassan, M. Vantorre	PHYSICAL MODEL RESEARCH ON BREAKING LOGS FOR THROUGH THE GATE FILLING OF NEW SINT-BAAFS-VIJVE LOCK J. Vercruysse, K. Verelst, T. De Mulder, R. Timmermans
14:30 - 15:00	Refreshment Break	
	INLAND NAVIGATION / PORTS	
15:00 - 15:20	THE PORT OF OSTEND: CONSTRUCTION WORKS FOR THE WIDENING OF THE INNER APPROACH CHANNEL F. Mortelmans, H. Verhaeghe	
15:20 - 15:40	SYSTEMATIC TECHNIQUES FOR FAIRWAY EVALUATION BASED ON SHIP MANOEUVRING SIMULATIONS E. Lataire, M. Vantorre, M. Candries, K. Eloot, J. Verwilligen, G. Delefortrie, C. Chen, M. Mansuy	
15:40 - 16:00	REMOTE-CONTROL, SET THE STANDARD BY DESIGNING A SIMULATOR AND PROFESSIONALIZE! M. Coopman	
16:20 - 17:30	Concluding remarks and networking moment	