

## HYDRONAV 2017 - Conference program

**Venue:** Maritime Culture Centre, National Maritime Museum, Tokarska 21-25,  
entrance from Rybackie Pobrzeże Street, Gdańsk, Poland

<b>DAY 1 (28/06/2017)</b>			
09:00-10:00	<b>Registration and coffee</b>		
10:00-11:00	<b>Opening session Chairman: Wilczyński L.</b>		
10:00	Conference Opening (Mr Leszek Wilczyński)		
10:10-10:35	Tribute to the memory of Tadeusz Koronowicz	PG	Szantyr J.
10:35-11:00	New generation stability norms – How to approach the task	FSNEP	Kobyliński L.
11:00-11:20	<b>Coffee break</b>		
11:20-13:00	<b>Session Ship Motions, Waves and Structure Chairman: Kozak J.</b>		
11:20-11:45	Bottom Fixed Substructure Analysis, Model Testing and Design for Harsh Environment	IBW PAN	Veić D.
11:45-12:10	Calculation of the heeling moment generated on a ship's hull during turn manoeuvre based on the measurement of the angle of heel in a function of time	AM Szczecin	Szozda Z. Kamińska D.
12:10-12:35	Investigation of Twin-Rudder Load Asymmetric Behaviour by Free-Running Model Tests	BSHC	Efremov D. Milanov E.
12:35-13:00	Software developed by Polish Register of Shipping for preparing complex computation models employed to verify structure compliance with PRS Rules	PRS	Narewski J.
13:00-14:00	<b>Lunch</b>		
14:00-16:40	<b>Session Inland Waterways Chairman: Kobyliński L. / Bugalski T.</b>		
14:00-14:20	Hull resistance of an inland waterway vessel in model scale and in full scale	PWroc	Tabaczek T. Zawiślak M.
14:20-14:40	Verification of selected approximate methods of prediction of inland's hull resistance	PG	Karczewski A. Kozak J.
14:40-15:00	Transverse stability of a hydrofoil running near free surface	PG	Krężelewski M.
15:00-15:20	Technological solutions applied on inland waterway vessels adapted for navigation in NATURA 2000 areas	AM Gdynia	Burciu Z. Abramowicz T.
15:20-15:40	<b>Coffee break</b>		
15:40-16:00	EFD and CFD investigation of shallow water resistance on DTMB	VMU	Binh Le Thanh
16:00-16:20	Methods of determination of frictional resistance for prediction of total resistance of inland waterway vessels	PWroc	Kulczyk J.
16:20-16:40	Methods for measuring the ship wake fields at the bottom of the waterways	AM Gdynia	Abramowicz T. Burciu Z.
19:00	<b>Conference Dinner</b> (Restaurant Amber Side – ECS Building, Plac Solidarności 1, Gdańsk)		

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<b>DAY 2 (29/06/2017)</b>			
09:00-10:35	<b>Session Ship Hydromechanics</b> <b>Chairman: Burciu Z.</b>		
09:00-9:25	Recent changes in the ITTC recommended procedures and guidelines regarding ship model testing and ship performance prediction	CTO	Wilczyński L.
09:25-9:50	The propagation of waves in the CTO towing tank	CTO	Drzewiecki M.
09:50-10:15	Application of advanced CFD simulations in seakeeping analysis of ships (case study)	PG	Niklas K.
10:15-10:35	Longitudinal motion due to action of tunnel thrusters	FSNEP	Reichel M.
10:35-11:00	<b>Coffee break</b>		
11:00-12:15	<b>Session Offshore</b> <b>Chairman: Reichel M.</b>		
11:00-11:25	Design of a Cell-Spar Platform for a 6 MW Wind Turbine. Parametric. Analysis of the Mooring System	PG	Dymarski P. Ciba E.
11:25-11:50	Computational model for the coupled dynamic analysis of the offshore wind turbine operation	CTO	Pastwa K.
11:50-12:15	Selected issues in designing Tension Leg Platforms for offshore wind turbines. CFD modelling of the platform	PG	Ciba E. Dymarski P.
12:15-15:55	<b>Session NAWIGATOR XXI (I)</b> <b>Chairman: Streckwall H. / Wilczyński L.</b>		
12:15-12:40	R/V NAWIGATOR XXI - the experiences of the ship owner	AM Szczecin	Bąk A.
12:40-13:00	Model scale experimental tests results on R/V NAWIGATOR XXI	CTO	Bugalski T.
13:00-14:00	<b>Lunch</b>		
14:00-14:20	Overview of Sea Trial tests on R/V NAWIGATOR XXI	CTO	Weryk M.
14:25-14:50	Application of vortex flow model in propeller - stator system design and analysis	CTO	Król P.
14:50-15:15	EFD and CFD Investigations of Propeller-Hull Interaction on NAWIGATOR XXI	HSVA	Lucke T.
15:15-15:35	Using numerical simulations to improve prediction of hydroacoustic noise emission	CTO	Felicjancik J.
15:35-15:55	Overview of CFD investigations on R/V NAWIGATOR XXI	CTO	Hoffmann P.
16:00	<b>Closing of the Conference</b>		