

FP7 Maritime Transport Brokerage Event 2011 London

Partner Profile Sheet

Name of the Organisation	POLITECHNIKA GDANSKA (GUT- GDANSK UNIVERSITY OF TECHNOLOGY- FACULTY OF OCEAN ENGINEERING AND SHIP TECHNOLOGY) - POLAND	
Organisation Type	UNIVERSITY	
Contact Person	ZBIGNIEW GORSKI	Position: SENIOR LECTURER
Email	zgorski@pg.gda.pl	Website: www.pg.gda.pl
Address	11/12 Narutowicza , 80-233 GDANSK, POLAND	
Fields of Activity	<ol style="list-style-type: none"> 1.Measurements processes in ship hull manufacturing and assembly 2.Systems for manufacturing of ship hull structures in reduced tolerances 3.Automation of processes of straightening of hull sections (panels) 4.New materials for ship structures 5.Alloys for new type of fast craft hulls 6.Fatigue strength of ship hull structure components 7.Fatigue properties of laser welded steel joints 8.Influence of weld imperfections on strength especially fatigue properties of ship hull structure 9.Corrosion resistance of materials and welded joints 10.Corrosion processes a ship structures 11.Modelling of physical and mechanical properties of alloys for ship and offshore structures 12.Fatigue and corrosion fatigue of materials and ship hull structures 13.Applications of Acoustic Emission (AE) for estimation of state of corrosion in hull plate or level of fatigue damages 14.Quality And Environmental Management Systems (ISO 9001 and 14000) for shipbuilding sector 	
Skills and Expertise Offered	Analysis (including FEM modelling) of ultimate and fatigue strength of ship and offshore structural elements (including	

Supporting Organisations:-



	<p>effects of corrosion) under probabilistic and determined loads and complex dynamic structure responses. Fatigue strength of ship hull structure elements, including laser welded steel joints. Influence of weld imperfections on especially fatigue properties of hull structure. Measurements in ship hull manufacturing and assembly.</p> <p>The department (chassis) has a practical knowledge of ship structural behaviour from experiments in its own laboratory which is equipped for static and fatigue investigations of structural elements with dimensions up to 17 m x 7 m. Validation of results analytically obtained</p>
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<p>Topic(s) Interested</p> <p><i>(Please Select from the following topics open in the 2012 call)</i></p>	<p><u>7.2.1 The Greening of Surface Transport (pg53)</u></p> <p><u>AREA 7.2.1.1. THE GREENING OF PRODUCTS AND OPERATIONS</u></p> <p><input type="checkbox"/> SST.2012.1.1-2. Assessment and mitigation of noise impacts of the maritime transport on the marine environment</p> <p><input type="checkbox"/> SST.2012.1.1-3. Support to the early implementation of the JPI 'Healthy and Productive Seas and Oceans'</p> <p><u>7.2.2 Encouraging modal shift and decongesting transport corridors (pg58)</u></p> <p><u>AREA 7.2.2.2. MARITIME AND INLAND WATERWAYS TRANSPORT</u></p> <p><input checked="" type="checkbox"/> SST.2012.2.2-1. Green vessels for efficient logistics chain</p> <p><input type="checkbox"/> SST.2012.2.2-2. Towards an implementation of the NAIADES Action Areas</p> <p><u>7.2.4 Improving Safety and Security (pg73)</u></p> <p><u>AREA 7.2.4.1. INTEGRATED SAFETY AND SECURITY FOR SURFACE TRANSPORT SYSTEMS</u></p> <p><input type="checkbox"/> SST.2012.4.1-1. Human element factors in shipping safety</p> <p><input checked="" type="checkbox"/> SST.2012.4.1-2. Safety of ships in extreme conditions</p> <p><u>7.2.5 Strengthening competitiveness (pg78)</u></p> <p><u>AREA 7.2.5.2. COMPETITIVE SURFACE TRANSPORT PRODUCTS AND SERVICES</u></p> <p><input checked="" type="checkbox"/> SST.2012.5.2-3. Innovative structural and outfitting materials for ships</p>
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Supporting Organisations:-



	<p>including inland ships</p> <p><input type="checkbox"/> SST.2012.5.2-5. E-guided vessels: ‘the autonomous ship’</p> <p><input type="checkbox"/> SST.2012.5.2-6. E-Maritime</p> <p>7.2.6 Cross-cutting activities (pg85)</p> <p><input type="checkbox"/> SST.2012.6-1. ERA-NET ‘Transport III’</p> <p>7.2.7 The ‘European Green Cars Initiative’ (pg86)</p> <p><u>AREA 7.2.7.3.1. LOGISTICS AND CO-MODALITY</u></p> <p><input type="checkbox"/> GC.SST.2012.7.3-1. Improve capturing and sharing of transport data in support of innovative freight transport schemes</p> <p><input type="checkbox"/> GC.SST.2012.7.3-2. Eco-logistics</p> <p><input type="checkbox"/> GC.SST.2012.7.3-3. Platform for continuous intermodal freight transport strategic research and innovation</p> <p><input type="checkbox"/> GC.SST.2012.7.3-4. Green hubs enabling co-modal network design</p>
<p>Role in a Project</p>	<p>What type of role are you looking for in a project</p> <p><input checked="" type="checkbox"/> Partner</p> <p><input checked="" type="checkbox"/> Workpackage Leader</p> <p><input type="checkbox"/> Co-ordinator</p>

Supporting Organisations:-

