



JAKUB CICHOWICZ

Naval Architect

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Jakub Cichowicz is a Naval Architect with Safety at Sea. He graduated (MEng from the Chair of Ship Propulsion and Power Plants for his dissertation on impact of propeller-induced vibrations on dynamics of direct diesel propulsion system) from the Technical University of Gdansk, Poland, in 2004. In 2012 he graduated from the University of Strathclyde in Glasgow, UK, where he was awarded a PhD for his research on hydrodynamics of a damaged floating cylinder in forced roll.

He joined Brookes Bell LLP in 2012 from the University of Strathclyde where he worked as Research Associate since 2004. Before joining the University, he held junior research positions at Ship Design and Research Centre (CTO) (1999-2001) and at the Institute of Fluid-flow Machinery of the Polish Academy of Sciences (IMP PAN) (2001-2003). While working at CTO and IMP PAN he was involved in research projects (EU and nationally funded) on hull-propeller interaction and dynamics of diesel-mechanical propulsion systems.

While working at the University of Strathclyde he was involved in a number of research projects (EU, nationally and industry funded) mainly on damage stability (e.g. GOALDS), hydrodynamics (EPSRC study on unsteady resistance) and systems' availability (SAFEDOR). Since 2010, he has been involved in commercial projects on availability and performance assessment of ship systems.

His expertise involves physical experiments, uncertainty quantification, damage ship stability, post-casualty systems availability and rule compliance as well as dynamic energy modelling and software development. At Safety at Sea he has been primarily involved in work on evaluating energy efficiency of ship systems for design, retrofitting and operation.

Academic Qualifications

PhD in Naval Architecture and Marine Engineering

MEng in Naval Architecture and Marine Engineering

Member of the Royal Institution of Naval Architects MRINA

Employment History

2015 - Present	Naval Architect, Brookes Bell LLP – Safety at Sea, UK.
2012 -2015	Research Project Manager, Brookes Bell LLP, UK.
2004-2012	Research Assistant, Department of Naval Architecture and Marine Engineering, University of Strathclyde, Glasgow, UK.
2001-2003	Specialist, Department of Ship Propellers, Institute of Fluid-flow Machinery, Polish Academy of Sciences, Gdańsk, Poland.
1999-2001	Research Assistant, Ship Design and Research Centre (CTO), Gdańsk, Poland.
1998-1999	Tracer/Hull Structures Fitter, Wisła Shipyard Ltd., Gdańsk, Poland.

Other

Programming C/C++, Fortran, Object Pascal, Pascal

Experimentation and mechanical design

Models scale measurements of

- resistance (steady and unsteady)
- self-propulsion (towing tank and free-running)
- propeller characteristics (open water and cavitation)
- sea-keeping
- propeller-induced vibrations
- hydrodynamics of floating and submersible bodies

Design of laboratory equipment

- oscillatory platform for main towing carriage for Kelvin Hydrodynamic Laboratory, University of Strathclyde
- gyroscopic roll generator for Kelvin Hydrodynamic Laboratory, University of Strathclyde