



CURRICULUM VITAE

CHRISTINA SOTIRIA DOUKA

MEng MSc

Contact Details

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Membership in Professional Bodies

Royal Institution of Naval Architects - Associate Member
Technical Chamber of Greece - Greek National Committee of the FEANI

Professional Experience

TMC Marine Consultants Ltd, London- Naval Architect

June 2014 to present

- Create models and perform stability analysis in dedicated in-house software Seamaster for intact and damaged vessels
- Assist in live salvage cases with modelling and stability calculations
- Finite Element Analysis for structural strength determination
- Research and use wide range of Class Rules in projects
- Perform calculations regarding weight, stability, structural strength for a range of cases
- Produce navigation plots based on positioning data
- Create 3D simulation of structures, vessels and incidents with Rhino

Lloyd's Register, London - Structure Analysis Service, Specialist

September 2011 to June 2014

- Conduct Finite Element Analysis for existing and new built ships and floating structures
- Create Global and Fine Mesh Models of various types of ships and ship structures using PATRAN



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- Perform structural design, fatigue, hydrodynamics and dynamic positioning analyses
 - Apply class rules and complete direct strength analysis according to class procedures

The Royal Institution of Naval Architects, London - Technical Manager

February 2011 to September 2011

- Organize, supervise and attend more than 10 conferences annually, in the UK and abroad, communicating extensively with international authors and working closely to strict deadlines

Bureau VERITAS Greece, Athens, Greece - Internship Placement

April 2007 to June 2007

- Review and check stability booklets, loading manuals and relevant plans for 6 ships
- Gain valuable experience in specialised structure and stability software, classification society rules and international safety regulations - SOLAS

Further Skills

Computers: Seamaster ~ Rhino ~ PATRAN/NASTRAN ~ AutoCAD ~ MS Office
~ ANSYS

Languages: English (fluent) ~ Greek (native) ~ German (basic)

Continued Professional Development:

ANSYS ~ PATRAN/NASTRAN ~ Tankers ~ Mega Yachts ~ Marine CFD

Education

MSc (Distinction) Technical Management of Ship Operations

Un. Strathclyde, 2009-2010

Key Subjects: Project Management ~ Risk Assessment ~ Maritime Regulations and Law ~ Waterborne Transportation Economics

Dissertation: "Analysis of Buckling of Stiffened plates", using ANSYS Finite Element Modeling software



MEng Naval Architecture and Marine Engineering
NTUA, Greece, 2002-2009

Fully accredited for chartered status by the RINA

Key Subjects: Ship Design ~ Ship Structure & Stability ~ Resistance and Propulsion ~ Metallic & Composite Material Technology ~ Marine Engines ~ Small Crafts

Dissertation: “Numerical and experimental analysis of the buckling of geometrically imperfect composite plates”, using ANSYS FEA software

Major Project: Design of a 300000 ton VLCC, including full strength and stability calculations and plan designs, assisted by Tribon software