

# Alkiviadis Tromaras

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## A. EDUCATION AND QUALIFICATIONS

2011            **Membership to the Greek National Technical Chamber (TEE)**

2003-2007    **PhD in Environmental management**

Graduated

Coventry University

Title of thesis: A holistic stakeholder framework for implementing environmental management in aerospace manufacturing companies

Subject of thesis: Utilization of stakeholders in environmental management in aerospace companies in dealing with environmental issues. The aim was the creation of a weighted stakeholder framework that enables managers to identify stakeholders and their influence on environmental issues of the company. The stakeholder framework acts as an indicator of where the company should be aiming its stakeholder dialog efforts when dealing with environmental issues. The data used to acquire the framework were taken from the 2004 Society of British Aerospace Companies (SBAC) environmental survey that carried out.

2002-2003    **MSc Competitive Manufacturing**

Coventry University

Subjects studied: Lean Manufacturing, Management of Lean Organisation, Quality Management, Production Planning, Automation Systems, Advanced Manufacturing Processes and Materials, Project Management, Computer Aided Engineering, Engineering Systems Simulation, Manufacturing Strategy.

Thesis Title: Environmental Management for Aerospace Companies. Studied the problems related to environmental issues within the aerospace industry, regulations that apply to the industry and performed meta-analysis on a 1999 and 2002 survey of the SBAC.

1999-2002 **BEng (Hons) Aerospace Manufacturing Engineering**

**Degree class: 2-2**

University of the West of England (Bristol)

Subjects studied included: Advanced Manufacturing processes, Materials Science, Inspection and Testing, Automation Systems, Production Planning, Quality Assurance, CAD/CAM, Aeroengineering, Energy and Fluid Flow, Stress and Dynamics, Mathematics, Integrated Manufacturing Systems.

Final Year project: Noise Pollution from Wind Turbines- involved researching about types of wind turbine noise such as aerodynamic and mechanical as well as identifying their sources and the impact wind turbine noise has on humans. Moreover solutions had to be suggested about combating wind turbine noise.

1996-1999 **Apolytirio of Lykeio (Greek leaving certificate, equivalent of Baccalaureate)**

Degree class: 18.9 out of 20

2<sup>nd</sup> Lykeio Kato Toumbas, Thessaloniki, Greece (Equivalent of senior high school)

## **B. PUBLICATONS**

### **Books**

1. Tromaras A. (2009), *A Stakeholder Framework for Environmental Management*, (PhD), pp. 222, VDM Verlag, Saarbrücken, Germany.
2. Hooper M. J., Tromaras A. (2009), *Social and Environmental Management*. Στο: Newlands D. and Hooper M. J. (eds.), *The Global Business Handbook, The Eight Dimensions of International Management*, Gower, Surrey, England, UK, pp. 89-122.

### **Journals**

3. Tromaras A., Palantzas G., Naniopoulos A. (2015), A stakeholder theory approach on environmental management for small Greek Ports. A case study of the three small ports of Volos, Kavala & Lagos. *International Journal of Strategic Engineering Asset Management*. To be published.
4. Boile M., Aggelakakis A., Papanikolaou A., Tromaras A., (2015). The future of transport in Europe: Addressing the Challenges, *7th International Congress on Transportation Research: From basic research to innovative applications*, Athens, Greece, 05 - 06 November.
5. Boile M, Papanikolaou A., Tromaras A. (2013), *Recommendations And Policies To Enhance 'Airport Environmental Co-Modality - AEC' For Passenger And Freight Transport Through Research Clusters And SMEs Participation, Clean Aerospace Regions (CARE) Project*.

6. Tromaras A. (2012), *Stakeholder environmental management – Pilot case of three Hellenic ports: Volos, Kavala and Lajos*, Seine-Maritime online.

## **C. WORK EXPERIENCE**

March 2013- **Centre for Reseeach and Technology Hellas (CERTH)- Hellenic Institute of Transport (HIT), Thessalonki, Greece**

Currently

Currently working on a project related to the installation of an Electric Vehicle (EV) charging station on the premises of HIT and the application of fully electric vehicles on freight transport. The project includes the creation of a guide for existing electric charging technologies and infrastructure, related regulations and standards regarding the EV chargers and site design for charging stations. Hence, the project looks into best practices from other countries as well as the study of business models for the installation of EV chargers in Greece.

Previously I have worked in the CARE project – Study of multimodal systems linked to air transport of passengers and freight. The project covers topics such as the current barriers for transport intermodality and comodality, a literature review of EU transport policy papers and how comodality evolved as well as airport comodality indicators.

Also, been involved in the TEMR project regarding vehicle emission models.

Feb- Dec 2012 **Environmental Stakeholder Management. Aristotle University, Thessaloniki, Greece**

I have worked an associate researcher at Aristotle University for a European funded programme called SuPorts. This programme aims at helping European ports in environmental management. My work involved the writing up of a report regarding best practice techniques for ports on stakeholder management related to environmental management and the creation of a stakeholder engagement plan for three small Greek ports. The report includes mapping of the all the stakeholders for each port and evaluation of their influence on a set of environmental issues. The project also involved the creation of roundtable meetings between the ports and their stakeholders in order to make suggestions for improvement and come up with solutions for current issues. Also, participated in three dissemination events (Rouen-France, Port of Corfu and Lajos- Greece).

Oct 2007-  
April 2009

**Cummins UK Wellingborough. ISO 14001 Coordinator.**

Worked as an ISO 14001 coordinator assisting the HSE Manager in the implementation of ISO 14001 (Environmental Management System) on site. The Wellingborough facility is the headquarters of Cummins UK and responsible site for repairing Cummins diesel engines from trains and vehicles, modifications of new diesel engines and distribution of products to customers.

Responsibilities included:

- Carry out environmental aspects and impacts analysis on site.
- Create an environmental aspects and impacts register.
- Create waste streams (hazardous and non hazardous) database
- Monthly checks of upcoming regulations and statutory instruments.
- Carry out monthly environmental audits.
- Reporting Greenhouse Gas Emissions for all 13 Cummins UK sites to Cummins Corporate.
- Create COSHH assessments & maintain COSHH database.
- Acquisition of data from suppliers, regarding energy/chemicals usage and waste volumes disposed.
- Create a database to facilitate and monitor date related waste/energy creation and usage on site.
- Implement a recycling programme on site.
- Implement processes and creating documentation necessary for ISO 14001.
- Liaising with waste disposal companies and ordering of hazardous/nonhazardous waste removals.
- Project management of the ISO 14001 implementation process
- Liaising with new contractors and acquiring quotations for waste disposal or services.
- Communicating with shopfloor employees and managers regarding any implementations that had to be carried out or daily jobs related to environmental issues.
- Create training material regarding environmental issues for employees and contractors, waste management, spills and leaks control, with the help of the HSE site manager.
- Train operatives on aspects & impacts, environmental awareness, waste management, spills & leaks control.
- Train waste management personnel.
- Acquire quotations from suppliers for an improvement project regarding the installation of new lubricants and diesel tanks on site.
- LOTO (Lock-out tag-out) initiative on site. Created LOTO sheets for most of the equipment at Wellingborough and West Thurrock branch.
- Arranging maintenance of facilities such as interceptors, drains.

- Participation in HSE shop-floor meetings and 7 Step accident investigation training.
- Participate voluntarily in the Local Diversity Council (LDC) of Cummins UK for promoting:
  - Realisation of the importance of human diversity in the workplace and global economies.
  - Embracing equality without prejudice of employee social background.
  - Helped in a fund raising event for aiding victims of the China earthquake in May 2008.
  - Assisted in organising an environmental awareness on site hosted on the World Environment Day (5/6/08). I personally organised acquiring free energy saving light bulbs from E-ON energy for our employees and assisted with display material.

2005-2006 **Part time lecturer Manufacturing & Business Management in Coventry University**

- Responsible for running a complete module in manufacturing business management
- Had to teach a broad spectrum of topics regarding operations management to 1<sup>st</sup> year students. Some of the topics covered were: production planning & control, production methods such as lean manufacturing and mass production, Bill of Materials, Master Production Schedule, Forecasting Methods, quality management & control, manufacturing strategy and how businesses work in general
- Responsible for assessing students and marking their coursework
- Gained confidence in dealing and interacting with people

April 2006 **Assistant lecturer at IESEG School of Management in Lille, France**

- Assisted in teaching the module of Social and Environmental Responsibility that was taught in English.
- Responsible for assessing the presentations and coursework of 150 students

Aug 2009- **Hellenic Army**

May 2010 National conscript service in Artillery. Trained as a Gunner on M109A3 self propelled artillery. After finishing the required time stationed in the Greek- Turkish borders I was relocated to the Headquarters of 3<sup>rd</sup> Army Corps in Thessaloniki. My responsibilities there were office related, record keeping and mainly military communications.

## **D. ADDITIONAL SKILLS**

**Communication:** During my work experience at Cummins UK I have learned how to work with shopfloor employees and managers and how important it is to communicate issues within organisations. Communication is one of the most important issues for the success of projects. My understanding of other people's point of view was crucial in how to carry out implementation of processes in the most smooth way.

Through my teaching experience I have gained confidence in dealing and interacting with crowds. As part of my PhD research I had to perform various interviews with industry managers and regulatory bodies like the DTI. This required the ability to communicate effectively with industry experts and present your self in a proper manner. Again as part of my research I had to perform a presentation for the SBAC and report my results to a board that consisted of aerospace managers many of them in high and influential positions. This required knowledge of the field that I had to present about and precision in making the subject understandable to the audience since I was the main expert on the work that I carried out.

**Data Management:** My experience in data management comes from my PhD where I carried out a survey as part of my research. Also, during my MSc and PhD theses I had to carry out data analysis on large volumes of data. I had to use quantitative and qualitative data and statistically analyse and interpret them. Hence, I have developed skills in understanding trends in data and using various methods of interpreting and visualising results.

My role at Cummins UK included data acquisition and monitoring where I had to create and maintain a monitoring database with energy and waste data. Through this I have gained experience in creating spreadsheets to facilitate data for input and what are the optimum methods for monitoring monthly data.

**Language:** IELTS Band 6 (1999), Cambridge Proficiency English (1996-1998), Michigan Preliminary ECPE 26/30 (1998), Basic French.

**Software:** Microsoft Office, SPSS 12, Autocad 2000, Catia V5 R10, EdgeCam, Arena, Promodel, Visio.

**Driving:** Greek Driving licence obtained in 2003 valid in the U.K.

**Sponsorship:** I was granted a 3 year scholarship during my PhD from the A.G Leventis Foundation.

## **REFEREES**

Professor Aristotelis Naniopoulos, Aristotle University of Thessaloniki, Civil Engineering Department, Transport Systems Research Group, University Campus, Faculty of Engineering, 54124, Thessaloniki, GREECE, e-mail: naniopou@civil.auth.gr

Dr Mark Hooper, Senior Lecturer, Faculty of Engineering and Computing, Coventry University, Priory Street, Coventry CV1 5FJ, email:cex212@coventry.ac.uk.

Mr Luis Izquierdo Carreras, Health, Safety & Environment Manager, Cummins UK, 40-44 Rutherford Drive, Park Farm South, Wellingborough, Northants, NN8 6AN, UK, email: luis.izquierdo.carreras@cummins.com