



GOLD MEDAL AWARD OF
THE ACADEMY OF ATHENS

EUGENIDES FOUNDATION

MARITIME EDUCATION CONFERENCE

*Education in Merchant Marine
Academies and on board*



*under the auspices of the
Ministry of Shipping and the Aegean*

ATHENS
7-8 March 2014

Paper Abstracts



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**ALEXOPOULOS ARISTOTELIS
GEORGAKIS ANASTASIOS**

**Maritime Training and Education in Greece.
A Brief Analysis of the New Demands for the Seafaring Profession**

The purpose of this paper is to examine some aspects of the continuously increasing issue of maritime training and its future prospects. In particular, we will make a short analysis of a number of parameters that strongly affect the maritime profession as the way maritime training has been conducted and its duration, its attractiveness that is mainly addressed to new mariners and its effectiveness that lead to the competitiveness of Greek officers in the ever-demanding world shipping industry. Then, we will propose a new quality educational model that is based on the continuous training and life long learning of the seafarers.

DANIEL NIKOLAOS

**The importance of students' correct education
in the Academies and on board ships**

The purpose of this paper is to emphasize on students' correct education in the Academies and on board ships. Also, I shall present a survey which was performed by the Merchant Marine Academy of Chios for Engine Officers based on evidence collected within the last decade. In the survey you will be able to see the number of freshmen at the Merchant Marine Academy of Chios for Engine Officers per year, as well as their place of origin and the number of those who did not return from their first or second seagoing service for their evaluation, as a consequence of which they were deregistered.

GOTZAMANIS GEORGIOS

Seagoing Service (Training Voyages)

The purpose of this paper is to present alternating education (sandwich courses) from the aspect of the Merchant Marine Academies, the review of this system and its operational problems, based on evidence collected within the last decade (Merchant Marine Academy of Chios and Macedonia), as well as a primary evaluation of the first seagoing service that was based on a questionnaire, which was submitted to the students of the Merchant Marine Academy of Macedonia. Mr Nikolaos Daniel, Director of the Merchant Marine Academy of Chios for Engine Officers and Mrs Konstantina Rossiadou, Deputy Director of the Merchant Marine Academy of Macedonia for Deck Officers, also contributed to the current paper.

**GOURGOULIS DIMITRIOS
GOTZAMANIS GEORGIOS
DANIEL NIKOLAOS**

Syllabus of the Merchant Marine Academies (for Engine Officers) according to the Amendments of the International Convention STCW 1978 (Manila 2010) and applications of learning management systems in Maritime Education

The purpose of this paper is to present the new syllabus of the Merchant Marine Academies for Engine Officers, according to the changes caused by the amended International Convention STCW 1978 (Manila 2010) and the incorporation of learning management systems in modern maritime education, as their exploitation may lead to a complete modification of the current instructor-student communication models. Mr Georgios Gotzamanis, Deputy Director of the Merchant Marine Academy of Macedonia for Engine Officers and Mr Nikolaos Daniel, Director of the Merchant Marine Academy of Chios for Engine Officers, also contributed to the current paper.

**GOURGOULIS DIMITRIOS
PRASSAS CHRISTOS**

Innovative Electronic Services in State Maritime Education

The purpose of this paper is to present the advanced internet and computer services offered by the Merchant Marine Academy of Macedonia (Deck Officers, Engine Officers, School for Lifesaving and Firefighting Means) to the students, the graduate Deck and Engine Officers, the shipping companies, the teaching staff and the society in general.

**KIRKILIS NIKOLAOS
KOUDOUNAS GIANNOS
FAGOGENIS NIKOLAOS**

**Guided Onboard Training (GOT): Myths and Facts perceived by
a group of people whose duty is to monitor performance and apply
methods for the development of Seagoing Human Resources.
The viewpoint of a shipping company.**

In this paper, we shall refer to current practices that create myths in relation to facts, which are deemed suitable or not, for cadets' further development and training, setting the ultimate goal of completing their training, and ending in achieving the first target and starting their career as Merchant Marine Officers.

Furthermore, we shall state opinions, questions, answers and suggestions in relation to the need for:

- A schedule for regular readaptation of the GOT syllabus, following the commands of modern technology, new legislation and cross-cultural relations as well.
- A lack of communication among the Merchant Marine Academies – Shipping Companies – Ships.
- Completion of GOT record book. Its usefulness to the Academy. Its usefulness to the Employer.
- Value and contribution of GOT in managing the seafarer's personal career.

KORONTZIS KONSTANTINOS

33 years in Greek Maritime Education

This paper constitutes a flashback into my 33 years in maritime education, during which I was a professor and director of the Merchant Marine Academy of Aspropyrgos and a department head at the Seafarers Training Directorate of the Ministry of Mercantile Marine. I shall refer to the most significant milestones of my career, during which I met a lot of students, teachers and members of the administration, living closely both the problems and the positive periods of maritime education.

KORRES ALKIS

Systemic relations in the operation of shipping markets

If someone attempts to apply the classical economic theory to shipping numbers, he will soon feel disappointed, as two essential components of maritime reality are missing from the classical analysis; time and place. In fact, we are talking about different markets which interact in systemic –yet imperfect– manner through shaped expectations and actions of the players. Their outcome is difficult to predict with accuracy, since the whole system is influenced by extraneous factors, that is the shape of which cannot be explained by the system itself, while its adaptation during the search for balance is subject to random or systemic failure.

KOUKIOS EMMANUEL

Maritime Post Training in Greece: Organization-Structure-Operation and Prospects at the Centre of Post Training (KESEN) for Deck Officers

In this paper, we shall try to examine historically and, also, bring out the future prospects of Maritime Post Training in Greece, using the Centre of Post Training (KESEN) for Deck Officers as an example.

Nautical Science requires constant training and upgrade of its staff, within its universal historical path.

Within a constantly changing world, with increased requirements in the work environment, especially in the Education sector, the Shipping Industry is the first, even before air transfer, to create or incorporate new data in technology and the know-how, resulting in forming the necessity for a more complete and more effective training of its staff, especially the Merchant Marine Officers.

The International and European requirements for Adult Education focus on fully qualified teaching staff, comfortable training spaces for the trainees and modern equipment and means used for the trainees' most effective training.

The training potential provided to the trainees, through the principles and the method of Life Long Learning, the modern technological means and meticulous studying spaces, create the dynamics for the most integral outcome in the learning process. The trainee is active in the training process, acquiring additional knowledge of the content of his work. At the end of each course, on the subjects of Navigation, the trainee is ready to comprehend and elaborate the knowledge he has acquired, realising its implementation, which makes him capable of managing his duties in the best and most productive way, comprehending the individual and professional benefits of this process.

KOUTSOTHANASIS MANTHOS

Specialized training for executives of shipping companies

This paper refers to the current situation in the Shipping Industry in relation to the supply of competent officers, the qualitative criteria for proper manning of modern ships, the demand for constant training after the fundamental academic studies and the current maritime education provided. Moreover, I shall refer to Delphic Maritime Training Centre, the training centre of Angelicoussis Shipping Group, the in-house training benefits and demands, the issues and necessities covered with training offered by the shipping company itself and the methods and means used for seafarers' training on board and ashore. In conclusion, it has been noticed that more young people choose to enter and stay in the seafaring profession, which constitutes an optimistic sense to the future. Undoubtedly, maritime education needs the support of all maritime agents.

LIOTSIOS KONSTANTINOS

Exploitation of asynchronous e-learning at the Merchant Marine Academies

This paper refers to the exploitation of the asynchronous e-learning AEN e-class at a Merchant Marine Academy (MMA of Macedonia). Within this environment, courses were organised and provided, which combine asynchronous training activities on the Internet and traditional learning activities within the classroom-laboratory. Through the results of a survey that was carried out, a training model is elevated, which enhances, supports and upgrades the training provided at the Merchant Marine Academies of the Ministry of Shipping and the Aegean.

MATTHAIYOU DIMITRIOS

Training and assessment of Merchant Marine Academy students in connection with the role of the seafarer-instructor and the corresponding officer on board the ship

Initially, in this paper, the National Legal Frame, the guidelines on Training and Assessment according to the International Convention STCW 1978, as well as the recommendations regarding Training and Assessment based on the IMO Training Models shall be presented. Furthermore, this paper will provide information on Securing Qualified Persons to carry out Training and Assessment for seafarers, Assessment of the Teaching Process, the Guided Onboard Training (GOT) record book, the Training Officer who is in charge of Training and Assessment on board, and the expectations and requirements of the shipping company. Finally, I will refer to the Maritime Training Program of Arcadia Shipmanagement Co LTD.

MENIS IOANNIS

Students' viewpoint on Maritime Education

This paper deals with the young men's turn to the seafarer's profession and examines several issues, such as the students' entry into the Merchant Marine Academies, the training on board the ship and the Union of Greek Shipowners' contribution to Maritime Education. In addition, the paper includes suggestions regarding the upgrade of Maritime Education and arguments over why the teachers of maritime subjects should be seafarers.

PALAIOKRASAS STAMATIS

Post Lyceum Maritime Education: Which teaching and learning strategy should be used?

In view of the great demand for entering the Merchant Marine Academies, as a result of the economic crisis and the very high unemployment of young men, there is an opportunity for the Academies to be evaluated according to the standards implemented by the Hellenic Quality Assurance and Accreditation Agency (HQA) regarding the evaluation of Universities. Within this framework, it is recommended that the teaching and learning strategy should be reviewed, based on the learning outcomes by replacing the syllabi. Subsequently, the same model should be used during the writing process of the textbooks. Finally, the conditions (new large investments in modern vessels made by Greek Shipowners, despite the economic crisis) necessitate the establishment and operation of a model Merchant Marine Academy, financed by the shipowners (in accordance with ALBA standards, operating under the auspices of the Hellenic Federation of Enterprises [SEV]), so that it has, as a Corporate Body under Private Law, the flexibility to implement modern pilot programmes, teaching equipment and methods on time.

PANAS EPAMEINONDAS

Maritime Education: Where are we and what should we do?

This paper constitutes a survey of the situation of the Greek Merchant Marine Academies, according to surveys carried out by Eugenides Foundation in collaboration with the Statistics Department of Athens University of Economics and Business. Furthermore, I shall present the outcome of these surveys, such as the problems of Maritime Education, the prerequisites for dealing with future needs, the future trends, and I will suggest what needs to be done in order for the current situation of Maritime Education in Greece to be improved.

POULIOPOULOS THEOFILOS

Proper preparation in the Merchant Marine Academies and onboard training of Deck Cadets and Engineer Cadets

This paper refers to the cadets' onboard training, the difficulties they are facing and the difficulties that arise from wrong and incomplete preparation in their Academies. For instance, the Academy syllabus refers to ships which sailed 20 years ago, while the Onboard Training Record Book that they have to complete, does not meet the requirements of modern ships.

Also, the cadets have to overcome themselves in order to benefit as much as they can from their training voyage, during which they often have to deal with many more difficulties.

The academic level upgrade, as well as the enrichment of the bibliography with modern and international reference books, is of utmost importance. In addition, the students should be trained on simulators, while a training vessel is also essential, so that part of their training could be carried out on board that vessel.

This task is expected to be tough and determinant for the future of our shipping industry. However, we must not forget that joint and common effort has successful results, in order to cope with every new challenge, and keeps our shipping industry intact.

SPANAKI IOANNA

Women on board vessels

This paper will deal with issues such as the treatment of women from shipping companies, the contrast between the number of women entering the Merchant Marine Academies to those who perform their training voyages, the comparison between the life of a woman and a man on board the vessel and the problems a woman has to deal with on board.

TSELEMARKOS STAMATIS

Post Training and Prospects at the Centre of Post Training (KESEN) for Engine Officers

In this paper, I will attempt a flashback ever since the Centre of Post Training (KESEN) was established until now, referring to what it offered at the time it was established, how it has evolved until today and what the future developments might be in case it is upgraded.

TSINOS EVANGELOS

Student trainees on board a vessel. Suggestions for improvement of the Onboard Training Record Book (KEP)

One of the most important, if not the most fundamental part of training a nascent Merchant Marine Officer, is his training as a cadet on board a vessel. Within a 12-month period, the trainee will have to be provided with proper and essential knowledge and experience, so that, after graduating from the Merchant Marine Academy, he shall have the necessary background and be capable of reliably coping with the requirements of his work as a watchkeeping officer. The Onboard Training Record Books (KEP 1 and KEP 2) constitute an extension to the aforesaid 12-month training period. In this paper I will recommend their improvement and development, regarding both their redaction and the section of practice on board, in order for them to be updated on the facts relating to the international shipping industry nowadays.

TSIROS GEORGIOS

Specialised training of executives provided by shipping companies

This paper deals with the following issues:

- The necessity for a high traditional cognitive level as a prerequisite for the training and adaptation to the modern demanding work environment on board ships.
- The knowledge and its accreditation, against “knowledge accreditation”, as an essential resource for executives within the tough competitive work environment.
- The executives’ evaluation as a criterion for their further training and prominence.
- The shaping of a new culture for those executives who will man the electronic and digital environment of a modern navigation bridge and engine room on a ship.

TSIROS GEORGIOS

The usefulness of the Onboard Training Record Book (KEP) – Suggestions for improvement: The viewpoint of a Trainer

This paper refers to the following:

- The amendment to the Merchant Marine Academy syllabus and the Onboard Training Record Book (KEP), which is considered to be essential, so that the trainee will initially be capable of adapting and, in the future, working on board a ship.
- The out-of-date elements will have to be removed from the syllabus and the Onboard Training Record Book (KEP), and the necessary and essential elements regarding electronic and digital systems on board modern ships will have to be included. The amended STCW requirements, the MLC requirements and the requirements of other Conventions, such as SEEMP, will also have to be included.

TSITSOS NIKOLAOS

The International Maritime Education

This paper presents the educational structure implemented for the training of deck and engine officers in Merchant Marine Academies and Universities. The data provided mainly refer to countries involved in the shipping industry, such as: USA, China, Russia, Japan, Germany, England, France, Spain, Turkey and Greece.

TSOULIS NIKOLAOS

Syllabus of the Merchant Marine Academies (for Deck Officers) and the School for Lifesaving and Firefighting Means according to the Amendments of the International Convention STCW 1978 (Manila 2010)

The purpose of this paper is to bring out the implementation philosophy of the process followed, in order to integrate the STCW amendments into the existent syllabi, the process followed and the main amendments that emerged, so that the Academies could successfully fulfill their strategic mission. The main points of the new syllabus for the Merchant Marine Academies for Deck Officers and the Schools for Lifesaving and Firefighting Means will be presented, as well as the remaining stages for the full implementation of the new requirements to the rest of the Maritime Education branches.

TSOURAS IOANNIS

Education-Training for Merchant Ship executives. Market requirements-demands

This paper refers to the Greek Merchant Marine Officers' training, taking into account the market requirements and the speculation about their lack of seamanship.

VOUTSINAS IOANNIS

System for the Certification of Qualifications in Shipping

As everyone knows, Shipping is the heavy industry of our country. Within this frame, Maritime Education constitutes a key sector of the educational system, which owes to:

- Rapidly meet the requirements of the Greek merchant fleet.
- Guarantee the quality of services provided in this particular field of economic life.
- Enable Greek seafarers to successfully resolve matters beyond those required by traditional seamanship and retain their comparative advantages, in relation to professional seafarers from other countries.
- Have certified graduates, that is the qualifications of the seafarers who are constantly being trained should be certified.

According to the provisions of Law 4186/2013, as amended, through a Decision of the Minister of Education and Religious Affairs, state authorities of non-typical education of the Ministry of Education and Religious Affairs offer expertise, organise departments, in accordance with national and regional needs of national economy, the propositions made by the Ministry of Health, the Ministry of Rural Development and Food, the Ministry of Tourism, the Ministry of Culture, the Ministry of Shipping and the Aegean, as well as other authorities too. The National Organisation for the Certification of Qualifications & Vocational Guidance, providing there is a relevant frame of regulations, is capable of certifying vocational training of experts, which are involved in Shipping.

ZILAKOS DIMOS

Education in the Merchant Marine Academies

The present and the future of maritime education.

