

**Permanent Secretary,
Ministry of Transport, Communications & Works of the Republic of Cyprus**

Mr Alecos Michaelides



Curriculum Vitae (C.V.)

EDUCATION

- 1974 – 1975 French Language, “Comite de Patronage”, University of Grenoble (Université de Grenoble - France)
- 1975 – 1978 “Licence de Mécanique”, University of Grenoble (Université de Grenoble - France)
Scholarship: Full Scholarship from France Government
- 1978 – 1979 “Maitrise de Mécanique”, University of Grenoble (Université de Grenoble - France)
Scholarship: Full Scholarship from France Government
- 1979 – 1981 “Diplôme d’Ingénieur”, “Ecole Nationale des Travaux Public de l’Etat”, (Lyon, France)
Scholarship: Full Scholarship from France Government
- 1996 – 1998 Master in Public Sector Management (MPSM), Cyprus International Institute of Management (Nicosia, Cyprus)
Scholarship: Full Scholarship from Cyprus Government
Distinction: Award Director for good final research

CONTINUING EDUCATION

- 1981 – 1999 Wide participation in seminars and series lessons in Cyprus and abroad, few of them are follows:
- Basic Education for topics European Union (45 hours), Cyprus Academy of Public Administration (Cyprus, 1999)
- Testing and use of asphalt material (3 months, 1989), South East London College, Ηνωμένο Βασίλειο
- World bank seminar on procurement issues (4 days) (that also included evaluation of project and consultancy, Cyprus, 1988)
- World bank seminar on procurement issues (3 days) (that also included evaluation of project and consultancy, Cyprus, 1985)
- 1999 Certificate of EUR. ING. (Ingenieur Europeen)

EXPERIENCE

- 2014 – Today President of Cyprus Port Authority, in addition and in parallel to his duties as Permanent Secretary of the Ministry of Communication and Works (from 31st December 2013)
- 2012 – Today Permanent Secretary of Ministry of Communication and Works (from 1st April 2012)
- 2007 – 2012 Director of Public Works Department (from 1st April 2007)
- 2001 – 2007 Representing the Ministry of Communications and Works for the development of the Larnaca and Paphos International Airports with the BOT method and the development of the Larnaca Port and Marina with the DBFO method. The agreement for the development for the airports won an award on 22 May 2007 from the accredited magazine «Public Private Finance», as the best PFI agreement (cooperation of public and private sectors) which was sign in Europe during the past three years (Best European Project to Sign). Forty projects have been evaluated at the final stage of the competition «Public Private Finance Awards 2007».

2004 - 2006 Member of the negotiation team of the Cyprus Government that negotiated the Concession Agreement with Hermes Airports Ltd for the development of the Larnaca and Paphos Airports.

2003 – 2006 Chief Executive Engineer at the Design Section of the Public Works Department. The Design Section of the Public Works Department includes the following sections: Urban and Inter-urban Roads, Bridge, Coastal and Transport Planning Sections.

2000 – 2003 In addition to the duties described below, I was also Chairman of the Council for Registration and Control of Building and Civil Engineering Contractors.

1997 – 2003 Responsible for the Civil Engineering Section of the Control Department of the Ministry of Communications and Works. Obtained broad experience in almost all the activities of the Public Works Department, including the construction of motorways and government buildings as well as the management of the relevant contracts. Gained invaluable experience in evaluating contractors claims and changes on various contracts as well as many years of experience for appointing engineering consultants and the preparation of the relevant terms of reference. Investigating officer for several departmental and investigations, for cases of the Ministry of Communications and Works or other Ministries and was also appointed to recommend several cases of the Cyprus Scientific and Technical Chamber. Chairman of various Ad-hoc committees, after the recommendation of Accountant General of the Cyprus Government, who was chairing the Central Committee of Procurement and the Central Committee for Changes and Claims for reexamining reports that were prepared by foreign consulting engineering firms or for the examination of specific claims by the Contractors.

1982 – 1999 Control Officer 1st and 2nd Class at the Control Department of the Ministry of Communications and Works. Among various projects that was appointed to me for control/supervision included the following:

Nicosia-Kokkinotrimithia Motorway
Nicosia-Larnaca Motorway
Larnaca-Kofinou Motorway
Limassol-Paphos Motorway
Dekelia-Famagusta Motorway
New Larnaca Hospital
New Larnaca Courts House

For several months, I was the representative of the Control Department at the Departmental Committee for Changes and Claims, the Standards Committee, the team that prepared the technical specifications/standards for concrete and the team that prepared the road asphalt standards. Representative of the Ministry of Communications and Works in the independent committee of engineers that was set up in 1993 to evaluate the technical and financial proposals for the development of the Limassol Port. Important involvement in the upgrading of the pavement design manual and the asphalt mix design that the Public Works Department uses. Also, important involvement in proposing several road safety measures.

1981 – 1982 Structural Designer at a Private Technical Firm

PUBLICATION

Several publications in magazines and newspapers in earthquake design as well as geotechnical matters

MEMBERSHIPS – PROFESSIONAL ORGANIZATIONS

Member of the Cyprus Scientific and Technical Chamber of Cyprus (ETEK)

Member of the Cyprus Civil Engineers Association

Member of the Cyprus Association of Civil Engineers and Architects

Member of the French Civil Engineers Association (AITPE)

Member of the French Association of Seismic Engineering (AFPS)

Member of the European Federation of National Engineering Associations (FEANI)

Member of the Committee for Seismic Engineering that prepared the Cyprus Seismic Code

INFORMATION TECHNOLOGY

Microsoft Windows, Microsoft Office (Word, Excel and PowerPoint) and use of Internet

LANGUAGE

Fluent in Greek (mother tongue), French and English (Holder of Proficiency and GCE O' Level)

REFERENCES

Available upon request

**Address by Mr Alecos Michaelides,
Permanent Secretary,
Ministry of Transport, Communications & Works of the Republic of Cyprus**

Ladies and gentlemen,

It is with great pleasure that I am here today, at the CYPBER 2016 Conference, where ideas and views on such an important issue such as cyber threats will be exchanged.

In a world where information and communications technology plays a key role and is evolving fast in an increasingly demanding environment, the shipping and ports industries are required to keep up with the latest developments of the field in order to achieve security and sustainability.

Cyber technologies are an integral part of the management and operation of numerous systems critical to ship and port operations. This includes the use of cyber systems to store, process and transmit information to and from the ships. Modern ships are completely computerized and everything is connected to networks.

Digitisation and electronic transmission of information aiming at simplifying procedures and formalities, reducing administrative burdens and facilitating maritime trade are on the priority lists not only of the European Union but also of the International Maritime Organization.

The implementation of the EU Directive on Reporting Formalities, which requires that Member States shall accept, as from June 2015, the fulfilment of reporting formalities for ships arriving or departing from ports of the Member States in electronic format and their transmission via a single window, showcases the importance that the European Union places on the use of electronic systems and electronic data transmission in shipping.

The Cyprus Ports Authority, being responsible for the implementation of the Reporting Formalities Directive in Cyprus, aims to implement a Port Community System (PCS) that will serve as the "Single Window". The single window, linking SafeSeaNet, e-customs and other electronic systems— many of which may be regarded as Critical Information Infrastructure - shall be the place where all information will be reported once and distributed to all relevant competent authorities (Department of Merchant Shipping, Customs, Port and Marine Police, Health Department, Aliens and Immigration Unit) as well as to the port community members (agents, forwarders, container terminals, etc).

The use of electronic systems and electronic exchange of information is not limited to the operation and communication between ships, ports, port terminals, and various competent authorities, but is also extended to the services provided by the Cyprus Maritime Administration, the Department of Merchant

Shipping.

The Ministry of Transport, Communications and Works, strongly supports the Department of Merchant Shipping in its efforts to adapt well to this highly technologically evolving environment. Amongst other ongoing IT upgrading plans of the Department of Merchant Shipping is the Electronic Seafarers' Application System (e-SAS system), where the submission of applications for the issuance of the Seafarers' Certificates is lodged electronically. The e-SAS system has been tested and applied on a trial basis in 2015 and will be fully implemented within 2016.

As you may realize, the shipping sector is experiencing a flourishing digitalized area. However, the growing reliance on automation and the increased usage of computer systems for navigation, reporting formalities of ships, container inspection, rapid loading and unloading of cargo at ports as well as the exchange of information with authorities and service providers is easily exposed to cyber threats. This means that appropriate security controls should be implemented to protect information and data pertaining to a ship, its crew, passengers and cargo.

In an effort to help the global shipping industry prevent major safety, environmental and commercial issues that could result from a cyber incident onboard a ship, the Baltic and International Maritime Council (BIMCO) launched, in January 2016, a set of Cyber Security Guidelines.

At the same time, the Facilitation Committee of the International Maritime Organization considers the development of cyber risk management (CRM) guidelines for the protection of trade-related information. The guidelines should provide for and maintain repeatable risk management practices and policies, in order to help ship owners and operators identify, evaluate and address cyber-related risks to trade-related information, with particular regard to any which may also pose safety and/ or security risks.

Ladies and Gentlemen,

It is clear to all of us that cyber technologies and systems provide significant efficiencies and benefits for ship and port operations and the maritime industry in general. At the same time however, they bear serious, and potentially grave, operational risks that can affect national and potentially international Critical Information Infrastructure. Thus, the shipping industry must incorporate proper defence and in depth strategies to handle cyber threats. On our behalf, we strongly encourage our local companies and related governmental services to implement risk management systems, which allow shipowners and operators to address multiple risks to operations on a daily basis.

I am sure that the high calibre of the speakers invited will elaborate on that matter and share with us the wealth of their knowledge and expertise, making this Conference extremely informative, interesting and successful.

Thank you, and I wish you all a very fruitful day.