

## **Biography**

### **Education**

- 1983, Ph.D. from the University of Wales, UK (UWIST) on the thesis titled "Marine Traffic Management with Special Reference to the Approaches of the Egyptian Waterways".
- 1978, M.Sc. degree from the University of Wales, UK on the thesis titled "Study of Operational problems in navigating the Suez Canal and its Approaches with Special Reference to the Introduction of VLCCS".
- 1976, B.Sc. Honor degree, in the University of Wales U.K. in the Department of Maritime Studies.
- 1969, Certificate of Competency as Master Mariner (FG). The first and the second mate certificates were obtained in 1967 and 1965, respectively.
- 1984, Diploma in the Field of Teaching Methods and Educational Planning from Garnet College of U.K. and the University of Alexandria.

### **Experience**

- President of Arab Institute of Navigation fellow of Royal Institute of Navigation (RIN) London, since 1978. The fellowship was granted based on contribution in navigation (see vol. 32, No. 3 of the Journal of Navigation)
- Founder member of the Arab Institute of Navigation, Alexandria, honorable secretariat of the Institute from 1978 to 1988.
- Member of the National Geographic Society.
- Member of the Editorial Committee of the Journal of the Arab Academy for Science and Technology and Maritime Transport, Alexandria 1978 to 1988.
- Member of the Editorial staff of the Scientific Journal of Marine Science, King Abdul Aziz University.
- Chief Editor of the bulletin of Maritime Research center 1984 to 1986.
- Chief Editor of Journal of Arab Academy for Science and Technology & Maritime Transport, Since, 2000.

### **Responsibilities**

- Currently he is *a Member of PNT Advisor, board - NASA* for the second consecutive round.
- 2000 – till present, President of the Arab Institute of Navigation
- 2008 – till present Chairman of the International Transport Research Center, INTREC
- 2004 – till present ,Visiting professor college of maritime Transport,

Arab Academy , AASTMT

- 1993-2004, Head of Postgraduate Studies Dept. and professor of navigation and hydrographic surveying in the Arab Academy for Science and Technology and Maritime Transport, Alexandria, Egypt.
- 1988-1993, Associate professor in the Faculty of Marine Science, King Abdul Aziz University Jeddah, Saudi Arabia.
- 1984-1988, Director of the Education Planning and head of the department of the Nautical Science in the Arab Academy for Science and Technology and Maritime Transport, Alexandria.
- 1981-1984, UNDP, IMO Expert and team leader for project, aims to establish the marine academy in Chittagong, Bangladesh. 1978
- 1981, Senior Lecturer in the Arab Academy for Science and Technology and Maritime Transport, Alexandria.
- 1963-1973, Master mariner for merchant marine ships, Egyptian and Lebanese Companies.

### Achievements

Researches and Scientific Studies

- 1977, Navigation in the Gulf of Suez, Journal of Navigation, Vol. 30, No.3, London.
- 1979, Landfall to the Egyptian coasts and their requirements of Navigational Aids, Journal of Arab Maritime Transport Academy Vol.5, No. 9.
- 1986, National requirements for Hyperbolic Navigation System in the Gulf of Suez. Proceeding of the International Conference on the Navigation in the Gulf of Suez, Cairo IAIN Congress.
- 1986, The Impact of Traffic Management System on the Safety of Navigation Journal of the Arab Maritime Transport academy, Vol. 11, No 22.
- 1987, Development of Navigation routs in the Nasser Lake in the Upper Egypt. Journal of the Arab Maritime Transport academy, Vol. 12, No 24.
- 1988, Marine Traffic Management and Aids to Navigation in Confined Waterways. Proceeding of the International Navigation Congress, Sydney.
- 1989, Rate of Encounter as a Parameter for marine collision. Journal of the Arab Maritime Transport academy, Vol. 14, No.27.
- 1997, navigational infrastructure and strategies in the Egyptian waterways. 9<sup>th</sup> world congress of the International Association institute of navigation Amsterdam 1997.
- 2002, Assessment of the Egyptian DGPS in Support of Hydrographic survey, Journal of the Arab Maritime Transport academy, Vol. 27, No.54. July 2002
- 2004, The Effect of Selective Availability removal on DGPS Corrections, Journal of the Arab Maritime Transport academy, Vol. 29, No.57. Jan. 2004



- 2004, GNSS and its impact on Satellite Navigation in Egypt, Journal of Arab Academy for Science & Technology & Maritime Transport, July 2004.
- 2005, Conflict in the Arabian Gulf and Navigation Alternative, Journal of the Arab Maritime Transport academy, Vol. 30, No.59. Jan 2005
- 2007, Modeling Differential Global Positioning System Pseudo range Correction. Journal of AAST&MT, No.63, Jan. 2007.
- 2008a, Comparative Study for Techniques of Volume Calculations Applied on Dredging Operation in Hydrographic Surveying, Journal of AAST&MT No. 65 2008.
- 2008b, Using Remote Sensing Techniques in Building and Updating GIS of Khafgy, City, KSA. Journal of AAST&MT.No.66,Jul. 2008.

Books and Teaching Notes

- 1988, Electronic Aids to Navigation, 300 pages. Publisher, Almaarif Est. Alexandria.
- 1993, Navigation Systems and Instruments. 500 page. Almaarif Est. Alexandria.
- 2003 , Satellite and Electronic Navigation .
- 2006, Satellite and Electronic Navigation, book. Page 360 publisher, Almaarif.

Notes in Navigation, Hydrographic Surveying and Traffic Management Systems.

Projects, Consultancy, and investigated reports.

- 1975 Team member of Maunsel Consortium, study of the reopening of the Suez Canal.
  - 1985. Development of Aids to Navigation in Lake Naser,
  - 1994. Report on accident investigation in Port Said.
  - 1997. World Bank project, on Development of waterways transportation in Bangladesh.
  - 1994-1998, supervised a number of M.Sc. thesis in the field of navigation, surveying and marine environment protection.
  - 1996-2006. supervising many researches leading to M.Sc. and PhD. Thesis.
  - 2006. Technical Report of Marine Jetty in Port of Damietta to Export Ammonia. ENDORAM Group. Project Coordinator.
- 2006-2008. Team leader, European MEDA Project for developing GALILEO/EGNOS Market in 10 MEDA Countries.