

Dr. Capt. Tawfik Mostafa Khattab



PERSONAL PROFILE

Date of Birth 26/10/69

Nationality Egyptian

Social Status Married

Religion Muslim

Present Position Simulator Lecturer in Arab Academy for Science,
Technology & Maritime Transport.

Contact Information

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ACADEMIC QUALIFICATIONS

- Ph.D. in Quality Management** Productivity and Quality Institute, Alexandria, Egypt (2013).
- Masters in Maritime Transport** Arab Academy for Science Technology and Maritime Transport, Egypt (February, 2016).
- Masters in Computer Engineering** **(Excellent, GPA 3.9).** Arab Academy for Science Technology and Maritime Transport, Egypt, 2001.
- Bachelor in Computer Engineering** (Excellent, GPA 3.6). Arab Academy for Science Technology and Maritime Transport, Alexandria, Egypt, 1998.
- Bachelor in Computer Science & Naval Science** (Good, GPA 2.8). United States Naval Academy, Maryland, 1991.
- High School** (Excellent, 91%). Top of class, Mathematics Section, Victory College, 1987.
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TRAINING COURSES

- 1995** **Professional Navy Diver**, Egyptian Navy Salvage and Rescue.
- 1996** **Honor Graduate** in 36-week Electrician's mate, Navigation and Internal Communication Apprentice.
US Navy Great Lakes Naval Station, Illinois, USA.
- Echo Sounding and Sonar Operation and Maintenance,
US Navy Fleet Training Center, San Diego, California, USA.
- Diploma in Advanced Shipboard Fire Fighting,
US Navy Fleet Training Center, May port, Florida, USA.
- 2004** Advanced Training for Executive Officers,
Egyptian Navy, Alexandria, Egypt.
- 2006** **Distinguished Graduate** in 12-week Advanced Electronics (99%) and 36-week Airfield Systems (97%), Kessler Air Force Base, Mississippi, **US Air Force**.
- 2007** **Environmental Management System (EMS)** and **Environmental Impact Assessment (EIA)** Course, Arab Academy for Science Technology and Maritime Transport, Alexandria, Egypt.
- 2008** Install, Commission, Operate and Maintain the S4DWI Buoy **Coastal Monitoring Station** by US Inter Ocean Systems.
Environmental Aspects Training Program during INCOECOLOGY, Alexandria, Egypt.
- 2009** Deploy Operate and Maintain the **wave and current Monitoring Radar** by US CODAR Ocean Sensors.
- 2013** **Simulator Training** by International Maritime Organization (IMO), Istanbul, Turkey

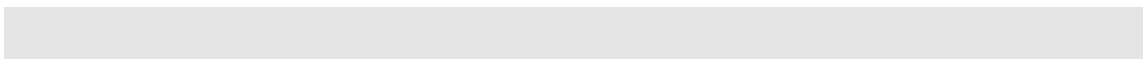


PROFESSIONAL ATTRIBUTES

Job summary:

- ❖ Superior **Academic abilities** with **PhD in quality Management Systems & Two Masters Degrees in Computer Engineering and Maritime technologies.**
- ❖ Extremely proficient in all aspects of **Computer related Systems** with in-depth knowledge of **Advanced Programming and Web Development** using Java, JavaScript, Php, CPP, C#, HTML, XML, ASP, ASP.NET, SQL, database: Oracle, MS Access, FrontPage, Visual Studio, Auto Lisp, Ada, Adobe Dreamweaver and Fireworks.
- ❖ A highly diverse portfolio with **Distinguished Graduate achievements** in the fields of **Statistical Decision Making, Artificial Intelligence, Database systems, Computer Networks, System Modeling and Simulation.**

Current Responsibilities

- Responsible for **Quality Management** within Integrated Simulator Complex in Arab Academy for Science, Technology and Maritime Transport.
 - **Lecture mandatory courses** as directed by International Maritime Organization (IMO) for Sea Captains and officers in the areas of **Ship Handling, Bridge Resource Management, Standard Marine Communication, etc...**
 - In charge of **Marine Vessel Traffic and Port Control Training for Operators and supervisors** working to **Manage and enforce Safe Navigation of Vessels within areas of responsibilities. Prepare Course content and presentations** in accordance with International Association of Marine Aids to Navigation & Lighthouse Authorities (**IALA**) recommendations and the associated model courses (V-103).
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WORK EXPERIENCES

- 2011-current** ***Senior Lecturer in Marine Simulator Complex,***
AAST. I teach Marine Captains and officers Ship handling, ASD Tug, Bridge Resource Management, ECDIS, Vessel Traffic Management Systems (VTS) Courses.
- 2005-2010** ***Head of Marine and Weather Forecasting***
Branch, Egyptian Navy. Provide weather forecasting services to All Navy units and major Petroleum offshore companies.
- 2002-2005** Coordination and organizing **Multi National Joined Forces Exercises** including: US Navy, French Navy, Italian Navy, German Navy, Saudi Navy & Egyptian Navy.
- 2000-2008** **Lecturer (part-time) in Artificial Intelligence, Visual Basic and Microsoft Access, Meteorology** at Arab Academy for Science Technology and Maritime Transport, Alexandria, Egypt.
- 1997-2004** ***Chief Navigator and Operations Officer*** onboard Destroyers at sea.
- 1996-1997** ***Commission new US Navy Ship*** – Sail from USA to Egypt.
- 1991-1995** ***Assistant Navigator*** onboard Destroyer ships at sea.



PROJECTS COMPLETED

- 2008-2012** Design & Implement an **Intelligent Quality Management System for Stock Market Investment** to complete Ph.D. in Quality Management.
- 2009-2011** Design, Implementation and Marketing of **Internet Web Business** using PHP, HTML, CSC, JavaScript, MySQL & Dreamweaver.
- 2006-2010** Design & Implement a **Weather Forecasting Model** using Artificial intelligence to complete **Masters in Maritime Transport**.
- 2008-2010** Providing Daily **Weather Forecasting and Environmental Impact Analysis** to Major Petroleum and Maritime Companies in Alexandria.
- 2008** Lecturer in **Meteorology** at Arab Academy for Science Technology and Maritime Transport, Alexandria, Egypt.
- 2005** Design and Implementation of a **Wireless Geographic Information System (GIS)** to network ships at sea with land operation center to track and exchange contact information using UHF/VHF/ HF media using assembly, visual C++.
- 2004** Design and Implementation of a **Dynamic Database supported Website** for Ports and Lighthouses Authority.
- 2003** Design and Implementation of **Ship Tracking and Analysis** computer system using Java.
- 2001** Design and Implementation of an **Intelligent E-Commerce Travel Agency** on the Internet using Java, Oracle, JavaScript and XML programming Languages.



PROFESSIONAL PERSONAL SKILLS

- ❖ Extremely Fluent in both **English and Arabic** (written and spoken).
- ❖ **Self-motivated, self-disciplined, Dedicated, Dynamic and Goal Oriented Professional with 19 years** of proven qualities of **Leadership, Multi-tasking, Adherence to strict deadlines**, abrupt **Communication and Management** of personnel with diverse backgrounds.
- ❖ Extensive experience in **Coordinating and Organizing Multinational** parties operating under **strict and highly sensitive** requirements and activities.
- ❖ A highly diverse portfolio with **Distinguished Graduate** achievements in the fields of **Statistical Decision Making**, Modeling using SPSS and Excel , Artificial Intelligence, Database systems, Computer Networks, System Modeling and Simulation.
- ❖ **Research work and preparation of Peer Reviewed Papers**
- ❖ Elevated **Teaching Skills** in various domains including but not limited to computer engineering and programming, information technology, and maritime technologies.
- ❖ **Ten year Technical Experience** in operation and maintenance of various top technology navy system and sensors.
- ❖ Management of weather technicians to deliver round the clock **Daily Meteorological Weather Forecasts** to Major Oil and Marine Companies.
- ❖ Two year experience in **Online Business Operation and Marketing**.



PERSONAL HOBBIES:

- ❖ Social activities on Facebook creating groups for spread of Morals and Reunion of School friends.
- ❖ Ranked #1 in Alexandria Squash Competition (1984).
- ❖ Member in Rotary Alexandria (since 2011).
- ❖ Teaches Physics and Mathematics to both daughters and their friends.
- ❖ Creating Websites and Online Marketing for friends and Rotary.