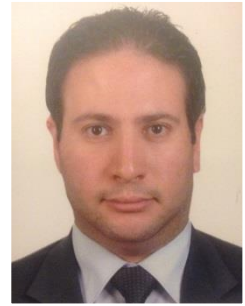


## ***Ahmed Samir Shehata***

Arab Academy for Science, Technology, and Maritime Transport  
P.O. Box 1029 Abu Qir Campus, Alexandria, Egypt  
Email: [a\\_samir@aast.edu](mailto:a_samir@aast.edu) Tel: (Mobile) (+2) 01000839938



### **EDUCATION RECORD**

April 2013- January 2017

**PhD** in Department of Naval Architecture, Ocean and Marine Engineering University of Strathclyde, Glasgow, UK. ([www.strath.ac.uk](http://www.strath.ac.uk)), Thesis Title “Investigation and Improvement of Wells Turbine Performance- Fluid Analysis & 2<sup>nd</sup> Law of Thermodynamics Study”.

Fall 2007-Spring 2010

**M.Sc in Marine Engineering**, thesis entitled “Aerodynamic Performance of Wells Turbines Wave Energy Extractor”, Arab Academy for Science, Technology, and Maritime Transport ([www.aast.edu](http://www.aast.edu)), Alexandria, Egypt Overall Grade Point Average: 4.0 (Excellent with honor)

Fall 2001-Spring 2006

**Bachelor of Science**, Graduation Project under title “Offshore Design”, Arab Academy for Science, Technology, and Maritime Transport, Offshore and Marine Engineering, Alexandria, Egypt Overall Grade Point Average: 3.89 (Excellent with honor)

Fall 1998-Spring 2001

**Baccalaureate in math and physical sciences**, El-Twifikia High School, Cairo, Egypt.

### **RESEARCH INTERESTS**

Renewable Marine Energy Systems - Computational Fluid Dynamics (CFD) – Offshore Structure – Oil and Gas Engineer.

### **SOFTWARESKILLS**

Good command in using AutoCAD, Auto SHIP, FLUENT, ICEM, Gambit, Star CCm+, MATLAB and OpenFOAM

## PUBLICATIONS

Mohamed M Selim, Roy P Koomullil, **Ahmed S Shehata**, “Incremental approach for radial basis functions mesh deformation with greedy algorithm”, 2017, Journal of Computational Physics, 340 : 556–574.

**Ahmed S. Shehata**, Q. Xiao, K. M. Saqr, A. Naguib, D. Alexander, “Passive flow control for aerodynamic performance enhancement of airfoil with its application in Wells turbine – Under oscillating flow condition”, 2017, Ocean Engineering, 136 : 31-53 .

**Ahmed S. Shehata**, Q. Xiao, M.N. El-Shaib, A. Shrara, D. Alexander, “Comparative analysis of different wave turbine designs based on conditions relevant to northern coast of Egypt”, 2017, Energy, 120 : 450-467 .

**Ahmed S. Shehata**, Q. Xiao, K.M. Saqr, D. Alexander, “Wells turbine for wave energy conversion: a review”, 2017, International Journal of Energy Research, 41(1), 6-38.

**Ahmed S. Shehata**, K. M. Saqr, Q. Xiao, M. F. Shehadeh and A. Day, "Performance Analysis of Wells Turbine Blades Using the Entropy Generation Minimization Method", 2016, Renewable Energy :86, 1123-1133.

**Ahmed S. Shehata**, K. M. Saqr, M. Shehadeh, Q. Xiao and A. H. Day, "Entropy Generation Due to Viscous Dissipation around a Wells Turbine Blade: A Preliminary Numerical Study", 2014, Energy Procedia 50: 808-816.

Mohamed A .Kotb, Amr Ali, Yasser A .Razzak and **Ahmed S. Shehata**, "Offshore Wells Turbines Performance Assessment ", Nov.2010, Port Said Engineering Research journal PSERJ, Port Said, Egypt.

## WORK EXPERIENCE

Fall 2007- present

### Teaching assistance

- 9 years' experience as a teaching assistance in courses (Marine engineering- Diesel engines - Marine and offshore simulation- Introduction to offshore engineering- Offshore engineering Offshore design and Construction – Oil and Gas production- Under water technology).
- 9 years' administrative work (ISO committee, scheduling committee, status report for marine Engineering department, Final Exams committee .....etc) and other activities in the department.
- Sharing in ABET Self Study Report Preparation.

Fall 2003

### Cadet engineer

Finished my practical seagoing term of 6 months with AIDA IV, the Arab Academy's practical training ship, where the different skills of watch keeping, marine engineering, marine diesel, fire prevention and detection, marine safety on a marine facility with hands-on practical approach have been introduced and enforced all along the different trips in the Red Sea and the Mediterranean Sea (toward Tunisia). This qualifies me for the Third Engineer Officer Certificate of Competency Exam.

## TRAINING EXPERIENCE

- Three Weeks Training on Floating Dock for maintenance of AIDA IV Ship.
- One Month Training in engine room simulator (D P S 100 MC) on watch-keeping duties.
- Five Days Participated in Educational Skills course (AASTMT 17-21 Aug. 2008).
- Three Days Training on “Teaching using Technology – MOODLE” (Oct. 2009).

## ACTIVITIES

- Member, Arab Academy for Science, Technology and Maritime Transport Student Council ([www.asst.edu](http://www.asst.edu)).
- Organized the yearly anticipated Orphan Day where more than 10000 L.E. have been raised simply from the donations of the students and the college staff, all for the sole enjoyment of the children.
- Participated in college Seminars at Engineering College, AASTMT (2007 to present).
- Participated in ABET workshop at Engineering College, AASTMT (March 2010).
- Participated in Social and Sporting Activities at Engineering College, AASTMT (2007 until now).
- Member in scientific marine institute at Maritime Transport and Technology College (2002).

## LANGUAGE SKILLS

- Arabic: Mother Language.
- English: V. Good spoken and written.

## AWARDS

- First of my Graduate College in all terms.
- Dean’s list of First highest GPA, awarded certificates of admiration for this achievement in all terms.
- Two prizes in "cultural & Social Activities" and Prize in football.
- Prize in "AIDA IV" for (Best student & Cultural& Social Activities).
- I was Honored for my Superiority in The Engineer’s Day 2006, “Engineers Syndicate“.

## GENERAL INFORMATION:

**Date of birth:** 25 / 06 / 1984

**Nationality:** Egyptian

**Gender:** Male

**Marital Status:** Married