



Adham Bekhit

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Phone: (+40)

Gender: Male **Date of birth:** **Nationality:** Egyptian

ABOUT ME

Experienced on both scientific and practical levels with ability to accomplish difficult engineering tasks. Competitive spirit, hardworking, good communication skills, quick learning, team member and team leading capabilities. Good demonstrating and teaching capabilities.

WORK EXPERIENCE

[09/2020 – Current]

Assistant professor

"Faculty of Naval Architecture", "Dunarea de Jos" University of Galati

City: Galati

Country: Romania

- Teaching theoretical and practical courses.

[02/2019 – 09/2020]

Research engineer

"Faculty of Naval Architecture", "Dunarea de Jos" University of Galati

City: Galati

Country: Romania

- Performing researches in ship hydrodynamics (Part time)

[11/2011 – 11/2013]

Engineer

Alexandria Shipyard

City: Alexandria

Country: Egypt

- Planning and scheduling the required man-hours and material for production

- Solving production problems of ship outfitting

[08/2010 – 10/2011]

Engineer - supervisor QA/QC

Alexandria Naval Shipyard,

City: Alexandria

Country: Egypt

- Supervising, planning, scheduling and monitoring of welding process and ship hull maintenance plans and operations

[06/2010 – 08/2011]

Mechanical engineer

Egyptian Naval Forces

City: Alexandria

Country: Egypt

- Operation, maintenance and repair of marine diesel engines and auxiliary systems



- Planning, scheduling and supervising the periodical maintenance and dry docking of the ship

[10/2008 – 04/2009]

Assistant engineer

Naval Architecture and Marine Engineering Dept., "Faculty of Engineering, "Alexandria University"

City: Alexandria

Country: Egypt

- Theoretical and practical demonstration

EDUCATION AND TRAINING

[10/2015 – 09/2021]

Ph.D.

"Faculty of Naval Architecture", "Dunarea de Jos" University of Galati <https://www.ugal.ro/>

Address: 47 Domneasca str., 800008, Galati, Romania

[10/2013 – 07/2015]

M.Sc.

"Faculty of Naval Architecture", "Dunarea de Jos" University of Galati <https://www.ugal.ro/>

Address: 47 Domneasca str., 800008, Galati, Romania

[09/2003 – 06/2008]

B.Sc.

Naval Architecture and Marine Engineering Dept., "Faculty of Engineering", "Alexandria University" <https://eng.alexu.edu.eg/index.php/>

Address: Alexandria, Egypt

[01/12/2012 – 31/01/2013]

Ship Outfitting Refrigeration & HVAC Diploma

China Shipbuilding Trading Company Limited, Hudong-Zhonghua Shipbuilding Group Co., Ltd. http://hz-shipgroup.cssc.net.cn/hz_en/index/lxwm.php

Address: 2851 Pudong Avenue, 200129, Shanghai, China

[01/08/2007 – 31/08/2007]

Internship

PETROJET – The Petroleum Projects and Technical Consultations Co. <https://www.petrojet.com.eg/?lang=en>

Address: Maadia, Idku / Rashid Road, behind Wepco Co, Km 30 East of Alexandria, Alexandria, Egypt

Internship

Alexandria Port Authority <https://apa.gov.eg/en/>

Address: Alexandria harbour, Alexandria, Egypt

LANGUAGE SKILLS

Mother tongue(s): Arabic



Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Romanian

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

DIGITAL SKILLS

CFD Applications

NUMECA Fine/Marine | SHIPFLOW | HydroSTAR | Techplot 360

Structural Analysis Applications

COSMOS | FEMAP

CAD / CAM

SolidWorks | AutoCAD | Rhinoceros

Ship and Offshore Design Utilities

MaxSURF | Bentley SACS | Bentley Moses

Fire Dynamics And Fire Risk Assessment

FDS - Fire Dynamic Simulation | CFAST-fire modeling software | Pathfinder Human Evacuation Simulation Software

Programming Language

Visual Studio - Visual Basic | C++ | Python

Engineering Utilities

Engineering Equation Solver | LabVIEW

Microsoft Applications

Windows | Microsoft Office

DRIVING LICENCE

Motorbikes: A

Cars: B1

Cars: B

HONOURS AND AWARDS

[12/2021] **Diploma of excellence Awarding institution:** "Dunarea de Jos" University of Galati

Diploma of excellence for the excellent results in research activity for the year 2021

[07/2021] **Best presentation Awarding institution:** Modern Technologies in Industrial

Engineering International Conference ModTech

First place for the best oral presentation.

second best presentation Awarding institution: Modern Technologies in Industrial

Engineering International Conference ModTech

Two times second place for the best presentation in the ModTech conference 2019 and 2020



[06/2018] **Best presentation Awarding institution:** Doctoral School CSSD-DJG, "Dunarea de Jos" University of Galati

First place for the best presentation in the National Conference of Doctoral Schools CSSD-DJG2018.

[08/2008] **Best bachelor project of the year Awarding institution:** The Institute of Marine Engineering (Egypt)

Award of the Institute of Marine Engineering (Egypt) for the best bachelor project of the year 2008.

PROJECTS

[01/2019 – 02/2019]

Numerical hydrodynamic analysis for the influence of mounting a stern Skeg (new construction) on the propulsion performance of the NAVROM pusher 2x1200 HP mercury type 208

Team member. Project nr. 758/15.11.2019.

[12/01/2022 – 15/02/2022]

CFD study on hydrodynamic performances of a planing hull (3 versions) running in different operational conditions

Team member. Project nr. 782_11.01.2022.

[15/05/2022 – 15/12/2022]

Electric High Speed Boat (EHS) for speed interventions and rescue operations in the Danube River

Team leader. Project nr. GI: 14892/11.05.2022.

[15/06/2022 – Current]

Resilience-centric Smart, Green, Networked EU Inland Waterways, acronym ReNEW

Team member. Project details: HORIZON-CL5-2021-D6-01. Project nr. 101069682/15.06.2022.

Link: <https://www.inlandwaterwaytransport.eu/renew-project/>

PUBLICATIONS

[2021]

[URANSE-Based Numerical Prediction for the Free Roll Decay of the DTMB Ship Model](#)

Reference: Journal of Marine Science and Engineering. 2021; 9(5):452.

[2022] **[CFD Study on Hydrodynamic Performances of a Planing Hull](#)**

Reference: Journal of Marine Science and Engineering. 2022; 10(10)

[2022]

[Numerical Simulation for the Motion Response of an Offshore AHTS Ship in Regular and Irregular Waves](#)

Reference: International Journal of Modern Manufacturing Technologies, 2022, 14(3), pp. 181–190



[2019]

[Numerical Simulation for Predicting Ship Resistance and Vertical Motions in Regular Head Waves](#)

Reference: ASME 2019, 38th International Conference on Ocean, Offshore and Arctic Engineering

[2018] **[Numerical Simulation of the Hydrodynamic Ship Performance](#)**

Reference: Lecture Notes of the Institute for Comp. Sc., Social Infor. and Telecom. Eng., pp. 120-129

[2018]

[Numerical Simulation of The Ship Self-propulsion Prediction using Body Force Method and Fully Discretized Propeller Model](#)

Reference: IOP Conference Series: Materials Science and Engineering 400(2018) 042004

[2018]

[Unsteady RANSE Simulation for Ship Resistance, Heave and Pitch in Regular Head Waves](#)

Reference: IOP Conference Series: Materials Science and Engineering 400(2018) 082004

[2018]

[A Viscous Flow Simulation around a Fully Appended Ship Hull by Using a Finite Volume Technique](#)

Reference: Proc. Int. Conf. on Traffic and Trans.Eng. ICTTE2018, 27–28 September, Belgrade,Serbia. pp. 325-332

[Numerical Study of the Resistance, Free-Surface and Self-Propulsion Prediction of the KVLCC2 Ship Model](#)

Reference: Proc. Int. Conf. on Traffic and Trans.Eng. ICTTE2018, 27–28 September, Belgrade,Serbia. pp. 333-340

[2018] **[Simulation of the POW Performance of the JBC Propeller](#)**

Reference: AIP Conference Proceedings, 2216, 450007 (2019)

[2018] **[Numerical Free Roll Decay Prediction for the DTMB Hull](#)**

Reference: AIP Conference Proceedings, 2216, 450050 (2019)

[2019]

[URANSE Simulation for the Seakeeping of the KVLCC2 Ship Model in Short and Long Regular Head Waves](#)

Reference: IOP Conference Series: Material Science Engineering. 591(2019) 012102

[2019] **[Hull-Propeller-Rudder Interaction of the JBC Ship Model](#)**

Reference: AIP Conference Proceedings 2293, 420091 (2020)

[2019] **[Numerical Analysis of Ship Motions for an Offshore Vessel](#)**

Reference: AIP Conference Proceedings 2293, 420092 (2020)



[2020]

[Numerical and Experimental Investigation on the Free-surface Flow and Total Resistance of the DTMB Surface Combatant](#)

Reference: IOP Conference Series: Material Science Engineering. 916 (2020), 012008

[2021]

[Local Flow Assessment of the Japan Bulk Carrier using Different Turbulence Models](#)

Reference: IOP Conference Series: Material Science Engineering. 1182 (2021) 012004

[2021]

[Numerical Investigation of the Shallow Water Effect on the Total Resistance, Vertical Motion and Wave Profile of a Container Ship Model](#)

Reference: IOP Conference Series: Material Science Engineering, 1182 (2021) 012005

[2019] **[Full-Scale Self-Propulsion Simulation for an Inland Catamaran Ferry](#)**

Reference: Proceedings of the SGEM 2019. SGEM 19(4.1), pp. 633-641