

**Ahmed Azab, M.Sc.**  
Industrial Engineering and Systems Management  
Egypt-Japan University of Science and Technology (E-JUST), Egypt.  
E-mail: [ahmed.azab@ejust.edu.eg](mailto:ahmed.azab@ejust.edu.eg)  
Tel: +201157100089 or +201118340566

## Education:

- **Feb. 2015 – March 2017:** M.Sc. , Dept. of Industrial Engineering and Systems Management, Egypt-Japan University of Science and Technology (E-JUST), New Borg El-Arab City, Alexandria, Egypt.
  - **CGPA:** 3.45
  - **Thesis:** A New Dynamic and Collaboration Platform for Managing External Truck Arrivals in Container Terminals.
  - **Graduate Courses:** Global IE (1), Global IE (2), Innovation Theory, Operations Research, Project Based Learning (PBL), Applied Modeling and Simulation, Project planning.
- **Feb. 2013 – Feb. 2014:** One year postgraduate course in industrial Engineering, Dept. of Mechanical Engineering, Benha Faculty of Engineering, Benha University, Egypt.
  - **Total Grade:** V. good (81%)
  - **Studied Courses:** Mathematics, Measurement and Instrumentation, Quality Control Tools, Operations Research, Quality Cost.
- **Sep. 2006 – Jun. 2011:** B.Sc., Dept. of Mechanical Engineering, Benha University, Egypt.
  - **Final Grade:** V. Good (76.17%) (2<sup>nd</sup> of 72 students)
  - **Graduation Project:** Fabrication of Wire EDM machine
  - **Graduation Project Grade:** Excellent.

## Research Interests:

**Keywords:** Supply chain, Logistics, Container Terminals, Simulation, Optimization, Operations Research, and Design Thinking.

## Publications:

### Published Papers

- 1- **Azab A., Karam A. and Eltawil A. (2017).** A Dynamic and Collaborative Truck Appointment Management System in Container Terminals. In Proceedings of the 6th International Conference on Operations Research and Enterprise Systems - Volume 1: ICORES, ISBN 978-989-758-218-9, pages 85-95. DOI: 10.5220/0006188100850095. (**Best Student Award**)  
<http://www.scitepress.org/DigitalLibrary/PublicationsDetail.aspx?ID=GCDfEURLES4=&t=1>
- 2- **Azab A., and Eltawil A. (2016).** "A Simulation Based Study of The Effect of Truck Arrival Patterns on Truck Turn Time in Container Terminals", ECMS 2016 Proceedings edited by: Thorsten Claus, Frank Herrmann, Michael Manitz, Oliver Rose European Council for Modeling and Simulation. DOI: 10.7148/2016-0080.  
<http://www.scs-europe.net/dlib/2016/2016-0080.htm>

- 3- **Azab, Ahmed**; Mostafa, Noha; and Park, Jaehyun. (2016) "OnTimeCargo: A Smart Transportation System Development In Logistics Management By A Design Thinking Approach". PACIS 2016 Proceedings. 44.  
<http://aisel.aisnet.org/pacis2016/44>
- 4- **Azab A.**, and Eltawil A. "A Design Thinking Approach for Building a Dynamic Truck Appointment Scheduling System for Smart Container Terminals" 1st International Joint Symposia on "Product Development and Innovation" and "Industrial Systems and Operations Management" 3-5 May 2016 Venue: Ain Shams University.
- 5- **Ahmed Azab**, Amr Eltawil ": Collaborative Truck Schedules: Beating Congestion In Future Smart Ports". (technical Paper)  
[https://www.porttechnology.org/technical\\_papers/collaborative\\_truck\\_schedules](https://www.porttechnology.org/technical_papers/collaborative_truck_schedules)

#### **Submitted papers:**

- 1- **Azab A.**, Karam A. and Eltawil A. "Impact of collaborative external truck scheduling on yard efficiency in container terminals", Communications in Computer and Information Science (CCIS) series published by Springer. (**Accepted paper**).
- 2- **Ahmed Azab**; Noha Mostafa; Jaehyun Park "A Customer-Oriented Smart Information System for Cargo Transportation Services", Information Systems Journal (ISJ). (**Under review Paper**).

#### **Presentations:**

- 1- Computer Simulation for Container terminals - port training institute – Alexandria July-2017.
- 2- OnTime CT - A Prototype of Integrated web-based and Mobile Interactive Information System for Online Real-time Scheduling of Container Delivery and Receipt Activities in Container Terminals. The International Maritime Transport & Logistics Conference (MARLOG 5) - Toward Smart Ports 13 - 15 March 2016  
<http://marlog-aast.org/2016/index.php>

#### **Teaching Experience:**

**Sep. 2011 – Jan. 2015:** Demonstrator at Benha faculty of Engineering for following courses: Industrial Engineering fundamentals, Industrial Management, Statistical Quality control, Production Management, Production Engineering, Operations Research (OR), Manufacturing Technology, Theory of Metal cutting, Advanced Manufacturing Processes, Hydraulic Power Systems . (Min-Max number of students per class was 25 – 100 students).

#### **Software Skills:**

Flexsim and Flexsim CT Simulation software, Arena Simulation software, IBM ILOG CPLEX optimization studio, Axure software solutions for prototyping , iThink & Stella simulation software, Minitab, MS project, Quality Companion Software, AutoCAD, Solid works, and Mach3 CNC software, Microsoft office.

#### **Honors and Awards:**

- **Feb. 2017:** Best Student Paper Award in 6th International Conference on Operations Research and Enterprise Systems held in Porto- Portugal, February 23-25, 2017.

- **2015 – 2017:** scholarship for MSc degree awarded by the ministry of high educating (MOHE) to get MSc in industrial engineering from Egypt Japan University of Science and Technology.
- **2013 – 2014:** a fellowship for one year master course in Quality Control at Benha University.
- **Nov.2011:** selected from 72 graduate students to work as a teaching staff (Demonstrator) at Benha faculty of engineering based on the academic excellence.
- **Nov. 2011:** Second class award, Benha University, Benha, Egypt.
- **Sep. 2008 – Jun. 2011:** Academic excellence financial award; an annual merit-based financial award for students with a total grade of very good and above.
- **Sep. 2010:** Cultural distinction award- Benha University, Benha, Egypt.
- **Jun. 2009:** Scientific research award - Benha University, Benha, Egypt.
- **Jan. 2008:** Robotics challenge Award - Benha University, Benha, Egypt.

### **Standard Tests:**

IELTS: total score 6.5

### **International Exhibition:**

3<sup>rd</sup> Cairo International Exhibition of Innovation – Cairo (November-2016).

### **International Workshops:**

Enhancing the efficiency of container terminals (Innovative Solutions) – Port Training Institute – Alexandria (July 2017).

### **Industry certificates:**

Lean Manufacturing Green Belt (National Quality institute certificate number: CCT3472011003).

### **Professional Memberships Data:**

- Egyptian Engineers syndicate membership.
- Arab Engineers syndicate membership.

### **Volunteering and extra-curricular activities:**

#### **Leadership Positions:**

- **Sep. 2015 – Sep. 2016:** Representative of the graduate students of Department of Industrial Engineering and Systems Management (IEM) at Egypt-Japan University of Science and Technology.
  - Represented the Graduate Students in the Department council.
  - Coordinated between the school departments' students' representatives and the GSA office.
- **Feb. 2015 – Sep. 2016:** Director of the Sports Committee at the graduate students association of the Egypt-Japan University of Science and Technology.
  - Organized sportive events for the university community.
  - Supervised the Gym activities and schedules.
- **Sep. 2014:** Teamwork leader working in a lean project for Egyptian company.
- **Jan. 2008:** Teamwork leader designing and fabricating a garden cleaning robot.

### **Membership positons:**

- **Sep. 2016 – Mar. 2017:** member Sportive Committee in GSA at Egypt-Japan University of Science and Technology.
- **Sep. 2009 – Jul. 2011:** member Science Committee for under graduate students at Benha University.
- **2009 – 2011:** Member of Benha university science club.

### **Social Volunteering:**

Life makers associations: participating in studying engineering problems of stalled factories and workshops under a non-profitable development program.

### **Personal Information:**

Citizenship: Egypt.

Date of birth: 19/09/1989.

Languages: Arabic (Native), English (Business Level), French (Basic).