

## **Hussein Naeem Hasan**

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### **PROFISIONAL PREPARATION**

Michigan State University, USA	Mechanical Engineering	M.Sc., (2015)
University of Baghdad, Iraq	Mechatronics Engineering	B.Sc., (2008)

### **EMPLOYMENT & EXPERINCE**

- 1- AL-Khwarizmi College of Engineering / University of Baghdad, Iraq
  - Assistant Lecturer (2015- until now).
  - Engineer (2009-2012).
- 2- Engineering College/ Michigan State University
  - Design and implementation of a robotic fish-human interaction system for the MSU Museum Exhibit (2013-2016).

### **TEACHING**

- 1- 403NN, *Artificial Neural Networks fundamentals* (2015- until now).
- 2- 403FL, *Fuzzy Logic fundamentals* (2015- until now).
- 3- DC & AC *Electric Machines fundamentals* (2016- until now).

### **PUBLICATION**

- 1- *Design, development, and modeling of a wirelessly charged robotic fish.* Master thesis/ Michigan State University (2015).

### **PROFESSIONAL ACTIVITIES**

- 1- Journal Reviewer: Journal of Intelligent & Robotic Systems\ Netherlands.

## **ADVISING**

### 1- Undergraduate advisees

- Reem Hyder, September 2016 - 2017. Project: Design and implementation of a 3D printed mobile Robot.
- Hussein Rashid, September 2016 - 2017. Project: Design an android Application to control a mobile Robot.

## **TRAINING**

- 1- Development & Continues Education Center / University of Baghdad Educational Qualification (216) & Arabic Language (190) (2016).
- 2- English Language Center (ESL)/ Michigan State University (2012-2013)
- 3- Computer center / University of Baghdad Computers & printers maintenance (2011).
- 4- Pyramid of Knowledge Co., agent of Lab-volt Company Automation Robotic training system 5150 (2010).

## **ACADEMIC HONORS, AWARDS**

- 1- Two Certificates of appreciation President of University of Baghdad (2017)
- 2- Certificates of appreciation Dean of Al-Khwarizmi College of Engineering\ University of Baghdad (2017)
- 3- Certificates of appreciation Chancellor Assistant for Scientific Affairs\ University of Baghdad (2016)
- 4- Certificates of appreciation Dean of Al-Khwarizmi College of Engineering\ University of Baghdad (2016)
- 5- Certificates of appreciation Dean of art College\ University of Baghdad (2016)
- 6- Certificates of appreciation Minister of Higher Education and Scientific Research (2014)
- 7- Scholarship to complete master degree HCED office of the Iraqi prime minister (2012)
- 8- Certificates of appreciation Dean of Computer Center\ University of Baghdad (2011)
- 9- Certificates of appreciation Dean of Al-Khwarizmi College of Engineering\ University of Baghdad (2009-2012)
- 10- Graduate Project Competition Prize Ministry of Higher Education and Scientific Research, Iraq (2009)
- 11- Iraqi Excelled Student Reward (Waedoun) Iraqi Vice President, Iraq (2008)

## **UNIVERSITY/COLLEGE/DEPARTMENT SERVICE**

### 1. University committees (University of Baghdad)

- Co-Manager of students housing dormitory for six months (2009-2010).

### 2. College committees (AL-Khwarizmi College of Engineering)

- Chair of Computers & printers maintenance committee (2016).
- Member of translating committee (2015).
- Member of purchasing committee (2009-2010).

### 3. Departmental committees (Department of Mechatronics Engineering)

- Faculty member of the Mechatronics Engineering Department (2015- until now).
- Member of Universities National classification committee (2017- until now).
- Member of examination committee (2016- until now).
- Member of Summer internship committee (2016- until now).
- Member of scientific committee (2016-2017).
- Engineer in the Laboratory of the Mechatronics Engineering Department (2009-2012)

## **MEMBERSHIP**

- 1- Member of Iraqi Engineers Union (2008 – until now).

## **SKILLS**

- 1- 3D printing Solidworks, MakerBot, Objet Connex350 Multi-Material 3D printer.
- 2- Bio-sensors and Control Myo Gesture Control Armband from Thalmic Labs.
- 3- Computer: MS Office, LaTeX, Matlab, C, C++, Android Apps design (Android Studio), and PCB Design (Eagle).
- 4- Microcontrollers: Arduino, PIC, and Atmel as well as wireless communication (XBee).
- 5- Languages: Arabic– native language.  
English – second language (fluent).

## **Self-employing**

1. House Electricity and Construction Electrician (2003-2008).
2. Private Commercial Shop Owner (2000-2003).