

# Eng: Mohamed Alsayed



## Personal Information:

Name	<b>Mohamed Alsayed Ahmed Ismail</b>
Nationality	Egyptian
Sex	Male
Address	13 RAEL St MANSHIA AIN-Helwan Egypt
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Phone	<b>☎ (002) 010 9184487</b>
Date of Birth	27-12-1984
Place of Birth	GIZA - Egypt
Marital Status	Married

## Qualifications:

2008 - Now	Demonstrator, Mechatronics Division, Faculty of Engineering, Helwan University.
2007 - 2008	R&D Engineer , Modern trade for Engineering Consultations
2002 - 2007	B.Sc. Mechatronics Division, Faculty of Engineering , Helwan University. <u>Grade</u> : Distinction 89.27% with Honor Degree. <u>Rank</u> : First in a class of 360 candidates. The First Rank over all faculty departments

## Computer skills:

- ICDL (Word - PowerPoint - EXCEL- ACCESS )

## Programming skills:

- Visual basic - MATLAB – SIMULINK –LABVIEW-PICBASIC

## Publications:

- Shaban, E.M., **M.Alsayed** (2009), Design, Simulation and Implementation of a Class of True Digital Control (TDC) Applied to Natural Gas Burner, *International Conference on Computer Engineering and Systems (ICCES09)*, AIN SHAMES, Cairo, Egypt.

## Awards:

- M.Alsayed, T.Elbagory, The best invention in Egypt, “Testing Station for natural gas piping system “ , first Euro-Mediterranean innovation Market place , Cairo, January 2010.
- M.Alsayed , the second best invention in the Middle East , “ A novel fire fighting system “ , Arabian Consultation for Development contest for best inventions , Cairo 2000.

## Drawing and Design skills:

- AutoCAD 2D
- AutoDesk Inventor 3D “**Certificated**”
- Solid edge 3D & solid works 3D

## International Certifications

Program	Organization	Date	Country
General Mechatronics Skills	Tishreen University	2006	Syria
Special Training in Servo Electro hydraulics Control	Johannes Kepler University	2007	Austria

### **Mechanical & Electrical Maintenance**

- Training (1 month) in Helwan company for Diesel engines summer 2005 " CNC cells, manufacturing cells, maintenance Depart."

### **Automatic & Process control**

- Conventional automatic control (relays, timers, contactors . . .)
- PLC Siemens (S7200) "Certificated"
- PLC telemecanique (zelio)
- Solving control problems by MATLAB and SIMULINK
- PC based control solutions through (Parallel port + USB port)
- Powerful interfacing Techniques through (serial port RS323 – RS 485)

### **Microcontrollers** "Certificated"

- Microcontrollers 8051 ATMEL family programming
- Microcontrollers PIC MICROCHIP family programming
- Programming languages: Assembly, PICBASIC, BASCOM

### **AC Drives**

- HUNDAY AC vector drive N100 "Certificated"
- LG AC vector drive IG5 + IC5 + MODBUS Communications
- Certificated training in power electronics
- Certificated training in Analog electronics

## **Projects**

TYPE OF Experience	Details
1- Project June 2009 Position : Member Country : <b>Egypt</b>	Sunwater Project for water desalination using solar energy – Awarded project of the EU – Egypt innovation Fund
2-Project November 2009 Position : Designer Country : <b>Egypt</b>	A novel Design of testing station for natural gas pipes
3- Project June 2008 Position : Designer Country : <b>Egypt</b>	Design & Implementation of SCADA system for CelloPack™ Company
4- Project December 2008 Position : Designer	Modeling omega16® PC Case using Autodesk Inventor

Country : <b>Egypt</b>	
5 - Project      September 2007 Position : Member  Supervisor Prof. Rudolf Scheidl Country : <b>Austria</b>	Design and implementation of new modern techniques for fast switching valves.
6- Project      September 2007 Position : Member  Supervisor Prof. Bernhard Manhartsgruber Country : <b>Austria</b>	Control of fluid power systems by using DSPACE® system and SIMULINK®
7- Project      April 2007 Position :Team Leader  Supervisor Prof. ABDEL HALIM BASUNY Country : <b>Egypt</b>	Design and implementation of inspection cell based on electro pneumatic & image processing techniques
8-Project      November 2006 Position :Team Leader  Supervisor Prof. ABDEL HALIM BASUNY Country : <b>Egypt</b>	Design and implementation of three degree of freedom General purpose Pneumatic robot based on PC interfacing & Pneumatic

<p>9- Project                      May 2006  Position :Team Leader</p> <p>Supervisor  Prof. MOHAMED GHAZY  Country : <b>Egypt</b></p>	<p>Design and implementation of Digital feedback control of DC motor based on PC interfacing techniques</p>
<p>10- Project                      July 2006  Position : Member</p> <p>Supervisor  Dr. GORGE IBRAHIM  Country : <b>Syria</b></p>	<p>Design and implementation of Production line based on SIEMENS PLC, HUNDAUY AC DRIVE &amp; electro Pneumatic.</p>
<p>11- Project                      July 2006  Position : Member</p> <p>Supervisor  Prof. AIAAD HATEM  Country : <b>Syria</b></p>	<p>Design, implementation and programming mobile robot based on image processing via MVTEC HALCON software</p>
<p>12- Project                      December 2005  Position :Team Leader</p> <p>Supervisor  Prof. MUSTAFA ESSA  Country : <b>Egypt</b></p>	<p>Design and implementation of smart washing machine based on PLC Control</p>
<p>13- Project                      June 2005  Position :Team Leader</p> <p>Supervisor  Dr. ALAA Hamdy  Country : <b>Egypt</b></p>	<p>Design and implementation of universal stepper motor drive via parallel port &amp; visual basic</p>

<p>14- Project            December 2004 Position :Team Leader</p> <p>Supervisor Prof. ABU BAKR ABELWAHAB Country : <b>Egypt</b></p>	<p>Programming of CAD/CAM software attached to AutoCAD based on advanced Graphics programming using Visual basic</p>
<p>15- Project        December 2004 Position :Team Leader Supervisor Dr. MOHAMED SALAH Country : <b>Egypt</b></p>	<p>Programming of electronic logic software to solve complex Boolean expressions based on visual basic.</p>
<p>16- Project        December 2004 Position :Team Leader</p> <p>Supervisor Dr. MOHAMED SALH Country : <b>Egypt</b></p>	<p>Programming of Assembly language editor for version of MANO Assembly based on visual basic advanced techniques</p>
<p>17-Project            Mars 2004 Position :Team Leader Supervisor Dr. GAMAL SWILUM Country : <b>Egypt</b></p>	<p>Design and implementation of Lighting control ( DIMMER ) based on power electronics techniques</p>