



## Curriculum Vitae

### Dr. Ahmed Amin Mostafa Hussein

Department of Mechatronics and Robotics Engineering.  
 Faculty of Engineering Egyptian Russian University  
 Badr City, Cairo-Suez Road, Postal Code 11829  
 Tel.: (+2) 02 2864-3340, 2864-3342, Fax: (+2) 02 2864-3332  
 URL: // eru.edu.eg

#### 1. Personal Information

**First Name / Sure Name: Dr. Ahmed Amin Mostafa Hussein**

**Date of Birth:** 23-01-1952

**Address:** Villa 50 group 11, Abu Bakr Al-Sedik St., Rehab, New Cairo – Egypt.

**Nationality:** Egyptian

**Phone:** 01007903935 & 01007903934

**E-mail:** Ahussein32125@gmail.com

**Gender:** Male

#### 2. Education

Title of Awarded Degree	Name of Organization Providing Education	Principle Subject	Dates	
			From	To
Ph.D.	Birmingham University, Birmingham, U.K.	Mechanical Engineering	1982	1986
<b>Thesis Title:</b> Transference of Mainframe Finite-Element Elastic-Plastic Analysis to Microcomputers and its Application to Forging and Extrusion.				
MSc.:	Faculty of :	Engineering Alexandria University	1976	1979
<b>Thesis Title:</b> The Dynamic Characteristics of an Elastic Machine Mounted on a Flexible Structure.				
BSc. :	Faculty of :	Engineering Alexandria University	1970	1975

#### 3. Professional Experience

Occupation	Name & Address of Employer	Main Activities & Responsibilities	Dates	
			From	To
Lecturer	Egyptian Russian University (ERU)	Teaching	2014	Now

	Faculty of Engineering			
Lecturer	Al-Salam Higher Institute for Engineering & Technology – Cairo	Head of Mechanical Engineering Dept. & Teaching	<b>From</b>	<b>To</b>
			<b>2012</b>	<b>2014</b>
Systems Analyst Expert	STC Group, Riyadh, KSA	Teaching & Training	<b>From</b>	<b>To</b>
			<b>2008</b>	<b>2012</b>
Project Manager of Develop assessment centers for leadership	STC, Riyadh, KSA	Teaching & Training	<b>From</b>	<b>To</b>
			<b>2004</b>	<b>2008</b>
Senior trainer & System Analyst	STC, Riyadh, KSA	Teaching & Training	<b>From</b>	<b>To</b>
			<b>1998</b>	<b>2004</b>
Assistant Professor	Riyadh Telecom College, Minister of P.T.T., KSA	Teaching	<b>From</b>	<b>To</b>
			<b>1991</b>	<b>1997</b>
Lecturer	Mechanical Power Engineering, Faculty of Engineering, Alexandria University	Teaching	<b>From</b>	<b>To</b>
			<b>1986</b>	<b>1991</b>
Assistant Lecturer	University of Birmingham, Birmingham, U.K	PhD enrollment & Teaching	<b>From</b>	<b>To</b>
			<b>1982</b>	<b>1986</b>
Assistant Lecturer	Mechanical Power Engineering, Faculty of Engineering, Alexandria University	Teaching	<b>From</b>	<b>To</b>
			<b>1979</b>	<b>1981</b>
Instructor	Mechanical Power Engineering, Faculty of Engineering, Alexandria University	Teaching	<b>From</b>	<b>To</b>
			<b>1975</b>	<b>1979</b>

#### 4. Discipline

General Discipline	Principle Subject

#### 5. Teaching Experience

Course Title	Course Code	University	Academic Years
Stress Analysis		ERU-Faculty of Eng.	During the period 2013 : Now
Computer Aided Drawing			
Production Engineering			
Production Technology			
Theory of Machines			
Kinematics of Mechanisms & Robots		Al-Salam Higher Institute for Engineering & Technology – Cairo	During the period 2012 : 2014
Engineering Drawing & Projection			
Structural Mechanics & Stress Analysis			
Design of Machine Elements			
Mechanics			
Mechanical Design			
Machine Design			
Mechanical Drawing, Assembly & CAD			
Mechanics and Strength of Materials			
Solid Mechanics			
ICMS courses			
Different			

Computer Training courses			
Management Skills		Riyadh Telecom College, Minister of P.T.T., KSA	During the period 1991 : 1997
Engineering Economic			
Computer Training courses: ( HP-UX 10.X (for HP9000 Series 700 / 800 - Administrator-Tuning – Trouble shooting – Hardware & Software – Programming)			
Intergraph			
Information Systems			
NT Networks			
Local Area Networks (TCP based)			
Theory of Machines			
Automatic Control Applications			
Modeling & Simulation of Mechanical Systems			
Mechanical Vibrations			
Machine Design			
Mechanics			
Design of Machine Elements			

Mechanical Drawing, Assembly & CAD			
Engineering Drawing & Projection			

## 6. Professional & Technical Skills

---

1. Designing a leadership development pipeline for STC leaders that is integrated and compatible with the human resources processes (Architecture) through: Review and validate the competency Dictionary, Identify Leadership style Characteristics for current and future business challenges, Determine Criteria for Segmenting Talent, Develop Leadership stages models, and Define High-Potential selection process and the implementation of an integrated talent, 2009-2012.
2. Project Manager of Develop assessment centers for leadership. This involves the development and piloting of the assessment centre material (including simulation exercises and scoring guides), as well as the validation of the full assessment battery, STC, Riyadh, KSA, from 2004 – 2008
3. Provide technical support for Assessment & Development Centre Design and Delivery for leadership, 1998-2003.
4. Provide consultancy, advice and supervise Curriculum Development, 1991-1997.
5. Consultant at the Faculty of Engineering Alexandria University for Library Information System (Written in Dbase III Plus), 1988 - 1991.
6. Consultant at Western Desert Operating Petroleum Company (WEPCO), Abu-Quir Fields for the Interactive Maintenance Management System (IMMS Program), June – Oct 1990.

## 7. Personal Skills

---

<b>Computer Skills</b>	<b>Self Assessment</b>
------------------------	------------------------

	Excellent	Good	Fair
( HP-UX 10.X (for HP9000 Series 700 / 800 - Administrator- Tuning – Trouble shooting – Hardware & Software – Programming)	Yes		
AutoCAD	Yes		
Language Skills	Self Assessment		
	Excellent	Good	Fair
English	Yes		
<b>Other Skills</b>	Designing a leadership development pipeline for STC leaders that is integrated and compatible with the human resources processes (Architecture) through: Review and validate the competency Dictionary, Identify Leadership style & Characteristics for current and future business challenges, Determine Criteria for Segmenting Talent, Develop Leadership stages models, and Define High-Potential selection process and the implementation of an integrated talent.		

## 8. Scientific Activities

### a. Publication:

1. Maharem, N., Metwally, H. And Hussein, A., "*The Dynamic Effect of Periodic Forces of an Elastic Machine Mounted on a Flexible Structure*", The Second Conference of Mechanical Power Engineering, Ain-Shams university, Cairo, Egypt, 23-28 Sept. 1978.
2. Hussein, A. and Moustafa, M.A., "*Finite-Element Plasticity on a Microcomputer*", The Proceeding of Stress Analysis and the Micro- SAM'85, City University, 2<sup>nd</sup> April, 106-115, 1985.
3. Hussein, A., Hartely, P., Sturgess, C.E.N. and Rowe, G.W., "*Non-Linear Finite-Element Analysis on Microcomputers for Metal Forging*", Journal of Strain Analysis, Vol. 21, No. 4, 197-203, 1986.
4. Hussein, A., Hartely, P., Sturgess, C.E.N. and Rowe, G.W., "*Non-Linear Finite-element Simulation of Metal forming Processes on a 16-bit Microcomputer*", Microcomputers in Engineering: Development and application of Software, Edited by B.A. Schrefler & R.W. Lewis, 517-527, and 1986.
5. Hussein, A., Hartely, P., Sturgess, C.E.N. and Rowe, G.W., "*Simulation of Industrial Cold Forming Processes*", Communication in Applied Numerical Methods, Vol. 3, 415-426, (1987).

6. Hussein, A., Hartely, P., Sturgess, C.E.N. and Rowe, G.W., "*Elastic-Plastic Finite-Element Modeling of A Cold- Extrusion Process Using A Microcomputer-Based System*", Journal of Mechanical Working Technology, 16, 7-19, (1988).
7. Hussein, A. and Moustafa, M.A., "*The IBM Personal Computer as a Low-Cost Engineering Workstation for Computer Aided Design*", INCOM'89, 6<sup>th</sup> IFAC/IFIP/IFORS/IMACS/ISPE Symposium on Information Control Problems in Manufacturing Technology, Madrid, Sep. 26-29, 1989.

**b. Books**

The following list are the books published in English language for the Al-Salam Higher Institute for Engineering & Technology:

1. BAS031: Mechanics
2. CIS113: Solid Mechanics
3. MED113: Design of Machine Elements
4. MED141: Structure Mechanics & Stress Analysis
5. MED151: Kinematics of Mechanisms & Robots

**c. Supervision:**

Degree	Thesis Title	Researcher Name	Start Date	Approval Date
MSc	Cracks and Crack Propagation in Composite Materials	Ehab Atea Ali	During the period 1986 - 1991	
MSc	Computer-Aided Design for Compound Refrigerating Units	Mohamed Mostafa Alsied		
MSc	Automatic Control in Boilers	Hesha Mohammed Ali		
MSc	Interactive Computer – Aided Design of LPG Plants Based on Economic Wise	Magdy Mohamed Galal Eldein		
MSc	Computer-Aided Design for study performance of Refrigerating Units	Ayman Ali Yossef		
MSc	Mathematical Model for industrial Chemical units	Azaa Mohamed Mostafa		

**d. Conferences:**

<b>Conferences</b>	<b>Presenter</b>	<b>Attendee</b>
The Second Conference of Mechanical Power Engineering, Ain-Shams university, Cairo, Egypt, 23-28 Sept. 1978		Yes

**9. Trainings & Workshops**

- 
- Conducted theoretical and practical training on: HP-UX 9.X & 10.X (for HP9000 Series 700 / 800) (Administrator- Tuning – Trouble shooting – Hardware & Software - Programming), ICMS system, Windows operating system, Databases, Networks, Intergraph, Information Systems, AS400 Unix Operating system, NT Networks, Local Area Networks (TCP based).

**10. Social Activities**

---

**11. Membership of Professional Associations**

---

**12. Awards**

---

*I certify that the information provided in this curriculum vitae is accurate.*

<b>Name</b>	<b>Signature</b>	<b>Date</b>