

**From:**  
**Prof. Dr. Eng. Mohamad Ahmad Eissa**  
**Yemen - Sana'a**  
**Ma'een Post Office P.O.Box (14108).**  
**Mobile (1) : +967- 733870193**  
**E-mail: [m-a-eissa@hotmail.com](mailto:m-a-eissa@hotmail.com)**

**To:**  
Dean of Engineering College.

**Dear Professor,**

It is my pleasure **to submit my application form for the academic position and/or Heads of Engineering Department** in the Electrical and Computer Engineering Department in the field of, (Computer Modeling, Simulation & Automatic Control), for the next academic year 2015/2016.

**Enclosed the C.V. and some needed certificates is posted for preliminary evaluation.**

**Best regards,**

**Prof. Eng. M. A. Eissa**

# Curriculum Vitae



<b>Name</b>	Prof. Dr. Eng. Mohamad Ahmad Eissa.
<b>Specialization</b>	(Computer Modeling, Simulation & Automatic Control of Engineering Systems) from United Kingdom.
<b>Work Location</b>	Science & Technology University, Yemen. - Salary: \$30.000 pa.
<b>Teaching Experience</b>	<b>31 Years as a Ph.D. Holder in Electrical Engineering Department.</b>
<b>Industrial Experience</b>	Worked as repair and maintenance engineer (overnight for two years) in A mold-manufacturing factory (To repair 15 machines and 2 vehicle).
<b>Address</b>	Yemen - Sana'a - Ma'een Post Office P.O.Box (14108).
<b>Facebook+Mail</b>	<a href="http://www.facebook.com/mohamad.a.eissa">http://www.facebook.com/mohamad.a.eissa</a> <a href="mailto:m-a-eissa@hotmail.com">m-a-eissa@hotmail.com</a>
<b>Nationality</b>	Syrian
<b>Passport No.</b>	006524699 - Exp. Date: 02-11-2017 (renewable for 4 years)
<b>Religion</b>	Muslim - Sunny.
<b>Telephone</b>	Mobile: +967-733870193 - I would be available in one week time.
<b>Possible Interview</b>	Any time on Telephone, but anywhere in summer holiday.
<b>Hobbies</b>	Reading, Swimming, General Sports to maintain good health, travel around the world and visiting new places

Years

## Educational Qualification & Certificates

1980 - 1984	Ph.D. (Electrical Engineering "Computer modeling and Automatic Control"), Loughborough University of technology, Leicestershire, U.K. <a href="http://www.lboro.ac.uk/">http://www.lboro.ac.uk/</a>
1978 - 1980	M.Sc. (Electrical. Engineering – "Systems Engineering"), City University - London, U.K. - <a href="http://www.city.ac.uk/">http://www.city.ac.uk/</a>
<b><i>I'm Double Major Engineer</i></b>	
1977 - 1978	B.Sc. Degree course – (Electrical Engineering. "Automatic Control and Instrumentations Eng."), Westminster University, London, U.K. <a href="http://www.westminster.ac.uk/">http://www.westminster.ac.uk/</a>
1970 - 1975	B.Sc. ( <i>Honor grade</i> ) Mechanical Engineering (Military Technical College, Cairo, Egypt) - <a href="http://www.mtc.edu.eg/">http://www.mtc.edu.eg/</a>

## **Teaching Experience and Interests**

- 1- Computer Modeling, Control, & Simulation. (>18 Paper were published).
- 2- Introduction to Robotics.
- 3- Automatic Control Systems Engineering.
- 4- Digital Control Systems Design.
- 5- Advanced Control Systems Engineering (Using MATLAB package).
- 6- Multivariable Control Systems and Neural Network.
- 7- Optimal Control Systems Design using Computer.
- 8- Hydraulic and pneumatic Control.
- 9- Electrical Circuits Design and Simulation. (Using PSpice).
- 10- Precise Instrument, Systems and latest technologies.
- 11- Electrical Systems Design.
- 12- Signal Processing & Systems (Analogue & digital) using MATLAB.
- 13- Intel 8086 Microprocessor Family.
- 14- Introduction to Embedded Systems and Micro-Controller
- 15- Measurement and Instrumentation.
- 16- Electrical Machines.
- 17- Digital logic Circuit Design
- 18- Computer Organization & Assembly language Programming (+ TASM6 package).
- 19- Computer Programming Using C-Language, Fortran–90, Pascal.
- 20- Introduction to Computers.
- 21- Production Line Control.
- 22- Numerical Analysis (Using different programming languages).
- 23- Engineering Mathematics. (All Engineering levels).
- 24- Probability and Statistics for Engineers.
- 25- Operational Research and Planning Using Computer.

***In addition, many other subjects***

*Years*

*Work and Experience*

1984 - 1988	Assistant Professor, Faculty of Engineering, Electrical Eng., Setaif University, Algeria.
1988 - 1993	Assistant Professor, Faculty of Engineering, Electrical Eng. Department, Mustanserieh University, Baghdad, Iraq
1993 - 1997	Assistant Professor, and Academic Coordinator, Faculty of Engineering, Electrical Eng., Applied Science University, Amman, Jordan
1997 - 2008	Associate Professor, and Full Professor, Head of Student Record Section, Member of M.Sc. Teaching Group. Faculty of Engineering, Electrical Eng. Department, Sana'a University, Republic of Yemen.
2008 - 2010	Full Professor, Faculty of Engineering, Electrical Eng., Nizwa University, Sultanate of OMAN.
2010 - 2012	Full Professor, Faculty of Engineering, Head of Mechatronics Department., Tai'z University, Tai'z City – Republic of Yemen.

### **Extra Experience.**

- I invented and Designed Passive RADAR station.
- I supervised more than 50 Final Year Projects in Electrical Engineering.
- I occupied So many Positions such as, Dean assistant, Head of Scientific Committee, Head of Department, Head of Courses Committee, Exam Committee, Foundation of laboratory group, and Issuing of graduation Certificates in the Department.
- I published more than 20 papers (see next).
- I attended more than eight Conferences recently.
- Reviewer for engineering magazine and staff promotion.

### **Key Strengths**

Highly motivated and experienced with strengths in the following:

- Wide Experience in foundation of new departments according to "ABET".  
(Accreditation Board for Engineering and Technology in USA)
- Teaching and training capabilities.
- Research capabilities, and widely informed in many aspects.
- Good experience in processing and analyzing control systems.
- Good computer skills in, teaching and using many applications.
- Good managerial and organizational experience.
- Hard worker and cooperate actively in teamwork.

### **Computer Skills**

- Expert in Microsoft Windows XP & Windows 7.
- Microsoft Office 2003 ~ 2013 (Word, Excel, PowerPoint & Outlook ).
- Professional Internet user.
- MATLAB-Software for Engineering Analysis, Simulations and Programming.
- TASM6- Software for Microprocessor Programming.
- Continuously monitoring the latest engineering technology and computer upgrades.

## List of Publications of Dr. M. A. Eissa.

- [1] **M. A. Eissa**, "A study of the closed-loop structure of multivariable feedback control systems" Trans. of Institute of M. C. London Vol. 7, No. 5, Oct-Dec 1985.
- [2] **M. A. Eissa**, "A Computer Algorithm For Automatic Homing System"  
Proceeding of First Iraqi Conference in Electrical Engineering. University of Technology, Baghdad Oct. 1977.
- [3] **M. A. Eissa**, "Digital Computer Simulation of S. A. M. Interceptor."  
Proceeding of the Second Jordanian Conference in Electrical Engineering.  
Mu'tah University, Nov. 18-20 1996.
- [4] **M. A. Eissa**, "Computer Modeling and Simulation of Anti-Ballistic Missile Interceptor"  
Journal of Science and Technology Vol. 4 No. 1 1999, University of Science and Technology, Sana'a, Republic of Yemen.
- [5] **M. A. Eissa**, "SAM missile control against RADAR-Invisible target "  
Journal of Science and Technology Vol. 4 No. 3. 1999, University of Science and Technology, Sana'a, Republic of Yemen.
- [6] **M. A. Eissa**, "Computer Modeling and Control of Portable SAM Interceptor"  
Journal of Science and Technology Vol. 5 No. 1- 2000, University of Science and Technology, Sana'a, Republic of Yemen.
- [7] **M. A. Eissa**, "Air target locator using computer controlled sound sensor (Eissa RADAR-I)."  
" Journal of engineering science, Vol. 32-No. 2 April 2004. Asyout University, EGYPT.
- [8] **M. A. Eissa**, "Air target locator using computer controlled Inductive coil dome (Eissa RADAR-II)."  
" Journal of engineering science, Vol. 32-No. 2 April 2004. Asyout University, EGYPT.
- [9] **M. A. Eissa**, "Air Target Locator Using Computer Controlled Visual Tracing Systems (Eissa RADAR-III)".  
Journal of Mu'tah University, Mu'tah Lil-Buhooth Wad – Dirasat, JORDAN 2005.
- [10] Faisal A. Ibraheem, **Mohamad Eissa**, and Gamal Hazza,  
"Modern Control Design Using Fuzzy Logic Control"  
Journal of Eng. Science, Vol. 33-No. 6 Nov. 2005. Asyout University, EGYPT.
- [11] **M. A. Eissa**, " New Formulation to the Properties of Laplace transforms"  
It has been sent for publication.
- [12]

د/ محمد أحمد عيسى و د/ فيصل عبد الفتاح.  
الحاسوب في اتخاذ القرار الإداري الأمثل في مشكلة التخصيص باستخدام لغة (VBasic.Net) "دور  
تحت إشراف وزارة التعليم العالي والبحث العلمي في الجمهورية اليمنية.  
ندوة المعلوماتية ودورها في رفع كفاءة القطاعات الإنتاجية والخدمية.

- [13] **M. A. Eissa**, "Fast Sketching of Nyquist Plot in Control System."  
Journal of science and technology, vol. 11 No. 2 Dec. 2006  
University of technology SANA'A, YEMEN.
- [14] **د/ محمد أحمد عيسى** و مهندس/ صادق علي الكوكباني.  
" إيجاد القيمة المثلى لداله مقيدة وغير خطيه وكثيرة المتغيرات بطريقة المسح الشامل والبرمجة بلغة جافا"  
جامعة صنعاء / مجلة كلية الهندسة للبحث العلمي / العدد 2 / 14 أبريل 2006 م.
- [15] **د/ محمد أحمد عيسى** و د/ يعرب قحطان الدوري.  
"تمثيل الدوران الظاهري للشمس والقمر حول الأرض على شاشة الحاسوب (وكل ما يحتاجه الراصد عن هلال رمضان)"  
المؤتمر الفلكي الإسلامي الرابع. الاتحاد العربي لعلوم الفضاء والفلك بالتعاون مع جامعة آل البيت والجمعية الفلكية الأردنية. 14-16 آب/أغسطس 2006. عمان -المملكة الأردنية الهاشمية.
- [16] **د/ محمد أحمد عيسى** و م/ محمد عباس عامر.  
برمجة التخطيط الشبكي لفعاليات المشروع للوصول إلى المنحنى الأمثل لاستغلال للموارد (بلغة-C).  
أرسلنا البحث للنشر.
- [17] **M. A. Eissa**, " Undetectable Remote Control of SAM Interceptor"  
Not Published Yet.
- [18] **M. A. Eissa**, " Computer Modeling and Simulation of A Diesel Engine " ( Non-Linear Model )  
Accepted For Publication With Minor Corrections.
- [19] **M. A. Eissa**, " Modeling and Simulation of A Diesel Engine on Analogue Computer"  
( Linearized Model )  
Accepted For Publication With Minor Corrections.
- [20] **M. A. Eissa**, "Digital Computer Simulation of Passive Air Target Locator" (Eissa RADAR-IV)". Under research.
- [21] **د/ محمد أحمد عيسى**  
"الكاشوف (الرادار) السلبي"  
مجلة الأكاديمية العسكرية العليا – مجلة سنوية تصدرها الأكاديمية العسكرية العليا صنعاء – اليمن. العدد (2) السنة الثانية  
– رمضان 1428 هج – سبتمبر 2007 م.
- [22] **M. A. Eissa**, " Un detectable remote control of SAM interceptor (under publication, sent for reviewing)

### **Address of Correspondence:**

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Prof. Eng. Mohamad Ahmad Eissa.

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### **References:**

1. Professor Abed Allah Al Khorabi,  
Al Kharj University, College of Art and Science, Saudi Arabia.  
Email: a\_alkhorabi@yahoo.com
2. Professor Mahmood Zaamout  
Um al qura university, Saudi Arabia  
Email: zaamout2000@yahoo.com
3. Professor Iqbal Ahmad Khan,  
Um al qura university, Saudi Arabia.  
Email: iqbalakhan19@hotmail.com. Mob. 00966535548187
4. Professor Abed Al Raqeeb As'aad  
University of Technology Sana'a Yemen  
Email: araasaad@yahoo.com
5. Professor Gassan Saddiqi  
King Abdel Azeez University, Jeddah, Saudi Arabia  
Email: saddiki@hotmail.com

**Attached: All necessary photocopies of certificates for initial evaluation and acceptance. \***

Loughborough University  
Leicestershire, UK  
LE11 3TU  
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<http://www.lboro.ac.uk/>



# Doctor of Philosophy

*This is to Certify that this Degree  
has been Conferred  
upon the holder who has pursued  
advanced studies to the  
satisfaction of the Examiners, and  
satisfied all other prescribed  
Conditions*

*Mohamad Ahmad Eissa*

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LOUGHBOROUGH UNIVERSITY OF TECHNOLOGY

VICE CHANCELLOR

*Clifford Baker* December 1984

*Email*

*WWW.LBORO.AC.UK*



# THE CITY UNIVERSITY

LONDON



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+44 (0)20 7040 5060  
<http://www.city.ac.uk/>

## DEGREE of MASTER OF SCIENCE

We hereby certify that

*Mohamad Ahmad Eissa*

having attended an approved course of higher study in  
the University during the years *1978 to 1980*

satisfied the examiners and was admitted

by resolution of the Senate to the

Degree of Master of Science

in *Systems Engineering*

on the *3rd* day of *December*, 19*80*

*Raoul Franklin*

Vice-Chancellor

*P. M. Pearson*

Head of Department

*U. J. Fairbairn*

Academic Registrar

Email [www.city.ac.uk](http://www.city.ac.uk)

# City University – London.

Department of Electrical, Electronic and Information Engineering.  
M.Sc. Course in Systems Engineering.1978-1980

## **1- Exam. I:**

Optimal and self Adaptive control.  
Dynamic analysis and control.  
Principles of optimization.  
Non-linear systems.  
Optimization of large-scale systems.  
Multivariable control systems design.

## **2-Exam. II:**

Discrete time signal and systems.  
Computer signal processing and control.  
Signals and systems identification.  
Fundamental concepts of measurement and information.  
Signals Theory.  
Stochastic processes and time series.

## **3-Exam. III:**

General principles of instruments.  
Logic Circuit's Design.  
Mechanical measurements.  
Physical measurements.  
Electrical Circuits Design.  
Mechanical transducers.  
Measurements of material properties.  
Data handling (Processing and Storage).  
Actuation-servo control.  
Instruments design.

## **4-Exam. IV:**

Introduction to general systems theory.  
Systems modeling.  
Systems reliability and support.  
Resources allocation and operational research.  
Performance design and evaluation.  
Project evaluation and selection.  
Introduction to decision theory and design.  
Decision and value theory.

## **5-M.Sc. Project dissertation.**



University of Westminster  
309 Regent Street, London W1B 2HW  
+ 44 (0) 20 7911 5000  
<http://www.westminster.ac.uk>

To whom it may concern

Monday, October 10, 1994

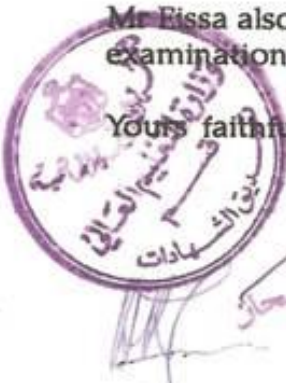
Dear Sir/ Madam

Re: Mohamad Ahmad EISSA  
Instrumentation & Control Engineering 77-78

This is to certify that the above named attended the year classes in the Degree Course for Instrumentation and Control Engineering during the academic year 1977/78 at the Polytechnic of Central London [since renamed the University of Westminster].

Mr Eissa also satisfied the Board of Examiners on 10 July 1978 on his written examinations.

Yours faithfully



المختار الواسي والتوقيع صحيح  
1994  
د. وليد الصليبي

UNIVERSITY OF WESTMINSTER  
FACULTY OF ENGINEERING & SCIENCE  
SCHOOL OF ELECTRONIC &  
MANUFACTURING SYSTEMS  
ENGINEERING  
115 NEW CAVENDISH STREET  
LONDON W1M 8JS

School Office  
School of Electronic &  
Manufacturing Systems Engineering

Produced to and examined by  
the British Council.  
Signature: .....  
Date: ..... 10.11.1994  
THE BRITISH COUNCIL  
AMMAN - JORDAN

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