

# CURRICULUM VITAE

(As of May 2009)

## Prof Dr Eng Ghazy Assassa

Doctor of Sciences, D. Sc., France  
M. Sc., France  
Certified Management Consultant CMC, UK



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## EXECUTIVE SUMMARY

- Got the rank of professor in 1988.
- Has **10 NASA/ADS-indexed** research papers: [1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#).
- Has a paper classified by **ScienceDirect** in **top 25 hottest article** in March 2006.
- Has 26 recent research publications in 2008-2009
- Has a total of 60 research publications plus some 20 classified technical reports
- Obtained the degree of **D. Sc. Doctor of Sciences 'Doctorat d'état es Sciences'** in 1976 in the area of "CFD" Computational Simulation of Fluid Dynamics and got the degree of MSc '**DEA**' of Applied Mathematics in 1972.
  - He obtained both degrees from prestigious French institutions: [Ecole Centrale de Lyon](#) & [Université de Lyon](#).
- Graduated from the Faculty of Engineering at Cairo University.
- Graduated from the **Gifted Students Advanced Secondary School** of Ain Shams in Cairo.
- Joined the prestigious French National Scientific Research Center (**Centre National de la Recherche Scientifique 'CNRS'**) and was assigned to the [Ecole Centrale de Lyon](#).
- Is a [Certified Management Consultant](#) (CMC) ® from the [Institute of Management Consultancy in the UK](#).
- Participated in consultancy and research assignments for prestigious organizations in **France and Italy** including **Avions Marcel Dassault-Breguet Aviation, Société Nationale d'Etudes et Construction de Moteurs d'Avions (SNECMA), Electricité et Gaz de France (EDF, GDF), Délégation Générale a la recherché Scientifique et Technique (DGRST)**. He worked on many projects for some 50 client companies and worked as a registered consultant with the **Euro-Mediterranean Partnership Programme** - Private Sector Development Programme 'PSDP' - Egypt.
- Backed with more than 35 years of experience, has some 60 research publications and reports, and supervised numerous MSc and PhD students.
- Participated as an active member in many academic activities including Senate Member (College Council), Curriculum development, Information Technology, and Higher Studies and Research committees.
- Has interdisciplinary specialization in many areas including Applied Computing, Computational Fluid Dynamics, Software Engineering, Quality Management, and Business Management.
- Has a rich management cumulative experience in more than 50 projects in multiple business sectors including IT and Software sectors.
- His interdisciplinary knowledge, rich academic and practical backgrounds, coupled with Certified Management Consultant certification empower Professor Ghazy Assassa with the knowledge, tools, and techniques required for navigation in a turbulent and ever competing environment of today's world.
- Since 2001, he is a professor in the department of Computer Science, College of Computer and Information Sciences, King Saud University.
  - Taught some 9 postgraduate courses and 5 undergraduate courses.
  - Ranked always on the top 5% of the evaluation carried each semester by CCIS students.

### Contact info:

Email: [ghazy@ccis.ksu.edu.sa](mailto:ghazy@ccis.ksu.edu.sa) and [ghazyassassa@gmail.com](mailto:ghazyassassa@gmail.com)

website: <http://faculty.ksu.edu.sa/ghazy>

Phone (Office): +966 1 4676595

Mobile: +966 (0)502862400

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## DETAILED CURRICULUM VITAE

# Prof Dr Eng Ghazy Assassa

1. **Family name:** Assassa
2. **First name:** Ghazy
3. **Nationality:** Egyptian
4. **Civil status:** Married, 2 children
5. **Phone / Mobile:** 4676595 / 0502862400

### 6. Education

Institution	Degree obtained - Date
University of Lyon - Ecole Centrale of Lyon Lyon, France	<b>D Sc "Doctorat d'état es Sciences"</b> in CFD - May 1976
University of Lyon - Ecole Centrale of Lyon Lyon, France	M Sc "DEA Mathématiques Appliquées" - June 1972
University of Lyon, France	"Maîtrise" - June 1971
Faculty of Engineering, Cairo University, Egypt	B Eng - June 1967
<b>Gifted Students</b> Advanced Secondary School of Ain Shams, Cairo	General Secondary certificate , June 1962

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### 7. Language skills

Language	Reading	Speaking	Writing
Arabic	Excellent	Excellent	Excellent
French	Excellent	Excellent	Very Good
English	Excellent	Excellent	Excellent
German	Basic	Basic	Basic

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### 8. Membership of professional bodies:

- ❑ [Certified Management Consultant](#) "CMC" from the Institute of Management Consultancy in the United Kingdom
- ❑ Associate Member of Institute of Management Consultancy, UK
- ❑ [Management Consultants Association](#) – MCA, Egypt
- ❑ Registered consultant with the IMC Programme Egypt
- ❑ Registered consultant with the x-Euro-Mediterranean Partnership Programme - Private Sector Development Programme 'PSDP'- Egypt
- ❑ Registered consultant with the International Executive Service Corp - Center for Business Support 'IESC – CBS', USAID programme - Egypt
- ❑ IBM Egypt Consultant Relations Program
- ❑ Microsoft VIP program
- ❑ Egyptian Engineers Syndicate, Cairo, Egypt

- ❑ Saudi Computer Society
- ❑ Communication and Information Technology Committee, NDP, Egypt
- ❑ International Society for Information Systems, Egypt
- ❑ Scientific and executive committees, the 22<sup>nd</sup>, 23<sup>rd</sup>, 24<sup>th</sup>, 25<sup>th</sup> and 26<sup>th</sup> Int'l Conferences for Statistics, Research and Computer Applications, Cairo, 1997,1998, 1999, 2000, 2001.
- ❑ International Scientific Committee of WASA.

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## 9. Key Academic Qualifications (as relevant to CCIS, KSU)

### 9.1. Teaching

- ❑ Taught many course at under- graduate and Post graduate levels, including the following CCIS course at KSU:

#### **Post-graduate level**

1. CSC 540 Software Engineering 1
2. CSC 544 Software Engineering 2
3. CSC 541 Advanced Software Engineering
4. CSC 548 Software Project Management
5. CSC 547 Software Measurements
6. CSC 572 Computer Graphics
7. CSC 598 MSc Project 1
8. CSC 599 MSc Project 2
9. IS 550 Information and Application Engineering.

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#### **Under-graduate level**

10. CSC 342 Software Engineering
11. CSC 112 Programming 1
12. CSC 496 BSc Project 1
13. CSC 497 BSc Project 2
14. CSC 495 Selected Topics
15. IS 361 Operations Research
16. CEN 496 BSc Project 1
17. CEN 497 BSc Project 2

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- ❑ Taught many course under- graduate courses at the department of Computer Science, Faculty of Science, King AbdulAziz University:
  18. Discrete Mathematics
  19. Systems Analysis and Design
  20. Database Design
  21. Linear Programming
  22. Computational Numerical Methods
  23. Graduation Project

- ❑ Ranked always on the top of the evaluation carried each semester by CCIS students.

### 9.2. Supervision of MSc Students

#### **❑ Supervised MSc Researches**

Supervised many PhD and MSc students including the following topics at the department of Computer Science, CCIC, KSU:

1. Extreme Programming in Educational Environment
2. Steganalysis: Improving the F5 Algorithm
3. Object Oriented Metrics

4. Work Flow
5. Software Cost Estimation
6. Automated Testing
7. Component Based Development
8. Steganography: Experiments with Outguess Algorithm
9. Stress Testing
10. Automated Testing in Software Education
11. Face Recognition Systems using Neural Networks
12. Risk Management in Extreme Programming
13. RFID Mass Detection
14. Text Steganography
15. Face Recognition using PCA, LDA, SVM techniques
16. Software Quality using Balanced Score Cards and 6 Sigma

□ **On-Going MSc Supervision**

- Text Steganography
- Software Quality using Balanced Score Cards and 6 Sigma
- Face Recognition using PCA, and LDA algorithms
- Face classification using NN and SVM

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### 9.3. Grants for Research Projects

#### 9.3.1. Grants from the Research Center, CCIS, KSU

Principle investigator of the following researches supported by the Research Center of the College of Computer and Information Sciences at King Saud University:

- Mobile finder
- Attendance System
- Extreme Programming in Education.

#### 9.3.2. Grants from the Egyptian Universities Council, Cairo, Egypt

Co-investigator of a research project on MSF desalination plants. The task included modelling and computer simulation of the dynamics of MSF.

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### 9.4. University Committees

#### 9.4.1. At the College of Computer & Information Sciences (CCIS), King Saud university (KSU), Riyadh, Saudi Arabia:

1. Council of the Deanship of Higher Studies, KSU.
2. Committee of Scientific Programs, Deanship of Higher Studies, KSU.
3. Council of PhD programme, CCIS.
4. Council of Research Center, CCIS, KSU.
5. Evaluation committee of Master Programs, CCIS, KSU.
6. PhD programme committee, CCIS, KSU.
7. Software Engineering programme committee for the Software Engineering department, CCIS, KSU.
8. IT programme committee for the IT department, CCIS, KSU.
9. Postgraduate committee, Department of Computer Science, CCIS, KSU.
10. BSc graduation Projects Committee, Department of Computer Science, CCIS, KSU.
11. PhD interview committee, Department of Computer Science, CCIS, KSU.
12. MSc project committee, Department of Computer Science, CCIS, KSU.

#### 9.4.2. At the Faculty of Engineering, Shoubra, Cairo Egypt :

1. Senate member (College Council), 1984-1988 & 1995-1999
2. Higher Studies and Research committee
3. Information Technology Committee (chairman).
4. Environment Committee.
5. Student Affairs Committee.
6. Energy committee.

**At the Faculty of Science, King Abdul Aziz University, Jeddah, Saudi Arabia:**

- ❑ Senate member (College Council) , 1989-1993.
- ❑ Higher Studies and Research committee.
- ❑ Information Systems committee.
- ❑ Professional Day committee.

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**9.5. Curriculum Experience**

- ❑ Curriculum development and course specification of the Joint PhD Programme in Computer and Information Sciences, College of Computer and Information Sciences, King Saud university. 2006 -2007.
- ❑ Curriculum development and course specification for the Software Engineering programme, Software Engineering department, College of Computer and Information Sciences, King Saud university. 2006.
- ❑ Curriculum development and course specification for the Information Technology programme, Information Technology department, College of Computer and Information Sciences, King Saud university. 2004.
- ❑ Master programme curriculum development and course specification, Department of Computer Science, College of Computer and Information Sciences, King Saud University, 2002.
- ❑ Curriculum development, Tiba Training Institute, Madina, Saudi Arabia, Feb, 2002.
- ❑ Curriculum development and course specification for undergraduate level, Faculty of Engineering at Shoubra, 1998-1999.
- ❑ Master programme curriculum development and course specification, Faculty of Engineering at Shoubra, 1998-1999.
- ❑ Curriculum and course materials development using teaching-by-objective approach for the modernization program of the Egyptian Air Force Academy. TELEMEDIA Inc.( Educational Consultants based in Chicago, U.S.A.). The task included design of course syllabi and development of student study guide, instructor guide, laboratory manuals, computer aided instruction and overhead transparencies, 1987-1988.

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**10. Publications, Research and Scientific Activity**

- ❑ Research papers and technical reports (total) 60
- ❑ Recent Publications and Research Work (2008-2009) 26
- ❑ Attended International conferences 30
- ❑ Ph.D. supervision 6
- ❑ M.Sc. supervision 16
- ❑ Has 10 NASA/ADS-indexed papers: [1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#).
- ❑ Has a paper classified by ScienceDirect in top 25 hottest article in March 2006 - see the list of publications below.

**10.1. Recent 2008-2009 Publications and Research Activities (26)**

1. Ghazy M.R. Assassa, Mona F.M. Mursi, Hatim Aboalsamh, " Evolutionary Eigenspace Learning using CCIPCA and IPCA for Face Recognition," ICCIT 2009 : WASET International Conference on Computer and Information Technology, Tokyo, Japan, May 27-29, (Accepted), 2009.

2. Mona F.M. Mursi, Ghazy M.R. Assassa, Hatim Aboalsamh, Khaled Al Ghathbar, "A Secure Semi-Fragile Image Authentication DCT- Based Scheme," , ICCIT 2009 : WASET International Conference on Computer and Information Technology, Tokyo, Japan, May 27-29, (Accepted), 2009.
3. Ghazy M.R. Assassa, Mona F.M. Mursi, "A Novel Method for Increasing the Embedding Capacity of Arabic Text Steganography," Egyptian Computer Science Journal (ECSJ), in press, 2009.
4. Mona F.M. Mursi, Ghazy M.R. Assassa, Abeer Al-Humaimedy , Khaled Al Ghathbar, "Face Detection and Counting in Color Images," WSEAS TRANSACTIONS ON COMPUTERS, Transactions ID Number: 32-378, (submitted for publication), April 2009.  
[http://wseas-cscc.blogspot.com/2009/03/wseas-transactions\\_4551.html](http://wseas-cscc.blogspot.com/2009/03/wseas-transactions_4551.html)
5. Hatim Aboalsamh, Ghazy Assassa, Mona Mursi, Hassan Mathkour, "Appearance-based Face Recognition using PCA and LDA Approaches," WSEAS TRANSACTIONS ON COMPUTERS, Transactions ID Number: 32-389, (submitted for publication), April 2009.  
[http://wseas-cscc.blogspot.com/2009/03/wseas-transactions\\_1105.html](http://wseas-cscc.blogspot.com/2009/03/wseas-transactions_1105.html)
6. Mona F.M. Mursi, Ghazy M.R. Assassa, Abeer Al-Humaimedy, Khaled Alghathbar "Face Detection and Count Estimates in Surveillance Color Images," Egyptian Computer Society Journal (ECSJ) ISSN-1110-2586 , Volume 31, Number 2, January 2009.
7. Hatim Aboalsamh, Hassan Mathkour, Ghazy Assassa, Mona Mursi, "Face Recognition Using Incremental Principal Components Analysis," International Computer Conference ICC 2009, University of California, Fullerton, April 2009 ,(accepted).  
<http://www.fullerton.edu/icc2009/program.html>
8. Mona F.M. Mursi, Ghazy M.R. Assassa, Hatim Aboalsamh , Khaled Alghathbar, "A Secure Semi-Fragile JPEG Image Authentication Scheme Based On Discrete Cosine Transform," International Computer Conference ICC 2009, University of California, Fullerton, April 2009 ,(accepted).  
<http://www.fullerton.edu/icc2009/program.html>
9. Mona F.M. Mursi, Ghazy M.R. Assassa, Abeer Al-Humaimedy, Khaled Alghathbar, "Automatic Human Face Counting in Digital Color Images", The 8th WSEAS International Conference on Signal Processing, Robotics and Automation, Cambridge, UK, February 21-23, 2009.  
<http://www.worldses.org/programs/ispra-and-sepads-2009.doc>
10. Hatim Aboalsamh, Hassan Mathkour, Ghazy Assassa, Mona Mursi, "Face Recognition using Principle Components and Linear Discriminate Analysis", The 8th WSEAS International Conference on Signal Processing, Robotics and Automation, Cambridge, UK, February 21-23, 2009.  
<http://www.worldses.org/programs/ispra-and-sepads-2009.doc>
11. Mathkour, Hassan Tourir, Ameer Hakami, Hind Assassa, Ghazy, "On the Transformation of Object Oriented-Based Systems to Component-Based Systems", IEEE International Conference on Signal Image Technology and Internet Based Systems, SITIS '08, Dec 2008, pp. 11-15.  
[http://ieeexplore.ieee.org/xpl/freeabs\\_all.jsp?isnumber=4725761&arnumber=4725780&count=116&index=18](http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?isnumber=4725761&arnumber=4725780&count=116&index=18) &  
<http://www2.computer.org/portal/web/csdl/doi/10.1109/SITIS.2008.77>

12. Hatim Aboalsamh, Hassan Mathkour, Mona Mursi, Sami Dokheekh, Ghazy M.R.Assassa, "An Improved Steganalysis Approach for Breaking the F5 Algorithm". WSEAS Transactions On Computers, ISSN: 1109-2750, Issue 9, Volume 7, September 2008, pp. 1447-1456.  
<http://portal.acm.org/citation.cfm?id=1481930> & [table of contents](#)
13. Hassan Mathkour, Ghazy Assassa, and A. Baihan, "A Risk Management Tool for Extreme Programming", IJCSNS International Journal of Computer Science and Network Security, VOL.8, No.8, August 2008, pp. 326- 333.  
[http://paper.ijcsns.org/07\\_book/html/200808/200808046.html](http://paper.ijcsns.org/07_book/html/200808/200808046.html)  
[http://paper.ijcsns.org/07\\_book/200808/200808046.pdf](http://paper.ijcsns.org/07_book/200808/200808046.pdf)
14. Hatim Aboalsamh, Alaaeldin Hafez, Ghazy M.R.Assassa, "An Efficient Stream Mining Technique", WSEAS Transactions On Information Science & Applications, ISSN: 1790-0832, Issue 7, Volume 5, July 2008, pp. 1272- 1281.
15. Hassan Mathkour, Ghazy Assassa, Abdul Almuharib and Ibrahim Kiadi, "A Novel Approach for Hiding Messages in Images," 2009 International Conference on Signal Acquisition and Processing, (ICSAP 2009), International Association of Computer Science & Information Technology (IACSIT), Kuala Lumpur, Malaysia, April 3 - 5, 2009, pp. 89-93.  
[www.icsap.org](http://www.icsap.org) & <http://www.icsap.org/TOC%20ICSAP2009.pdf>
16. Hatim Aboalsamh, Hassan Mathkour, Mona Mursi, Ghazy M.R.Assassa, "Steganalysis of JPEG Images: An Improved Approach for Breaking the F5 Algorithm". Proceedings of the 12th WSEAS International Conference on Computers, Heraklion, Greece, July 23-25, 2008, pp. 1011-1018.  
<http://portal.acm.org/citation.cfm?id=1513776>  
<http://portal.acm.org/citation.cfm?id=1513605.1513776&coll=GUIDE&dl=GUIDE&CFID=30064187&CFTOKEN=29312073>
17. Hatim Aboalsamh, Alaaeldin Hafez, Ghazy M.R.Assassa, "An Efficient Time Series Data Mining Technique". Proceedings of the 12th WSEAS International Conference on Computers, Heraklion, Greece, July 23-25, 2008, pp. 950- 956.  
<http://portal.acm.org/citation.cfm?id=1513605.1513766&coll=GUIDE&dl=GUIDE&CFID=30064187&CFTOKEN=29312073>  
<http://www.worldses.org/books/2008/crete/new-aspects-of-computers.pdf>
18. Ghazy M.R. Assassa, Hassan Mathkour, "Mobile Finder System", Final Report RC1 427-428, CCIS Research Center, KSU, Jan 2008.
19. Ghazy M.R. Assassa, Hassan Mathkour, Abdulmajeed Mohareb, Ahmad AlJumaa "Mobile SMS Encryption", in process of publication, 2008.
20. Huda Bin Sadiq, Hassan Mathkour, Ghazy M.R. Assassa, "Stress Testing Simulator (STS) Tool", the 2nd National Information Technology Symposium, NITS'09, Riyadh, Saudi Arabia, March, 2009, 116-127.
21. Hatim A Aboalsamh, Hassan Mathkour, Ghazy Assassa, and Abdulah Al Baihan, "A Risk Management Tool for Extreme Programming", the 2nd National Information Technology Symposium, NITS'09, Riyadh, Saudi Arabia, March, 2009, 86-96.
22. Alaaeldin Hafez, Alia Bahanshal, Ghazy M.R. Assassa, "Automated Testing for Students' Programs", the 2nd National Information Technology Symposium, NITS'09, Riyadh, Saudi Arabia, March, 2009, pp. 60-71.
23. Lamees Alhazzaa, Hatim AboalSamh, Ghazy M.R. Assassa, Mohamed Batouche, "Neural Network and Genetic Algorithms in Face Recognition Systems", the 2nd National Information Technology Symposium, NITS'09, Riyadh, Saudi Arabia, March, 2009, pp. 72-79.



24. Nourah A. AL-Rossais, Ghazy M.R. Assassa, "A Web-Based Workflow Management System: Modern Business Manager (MBM)", the 2nd National Information Technology Symposium, NITS'09, Riyadh, Saudi Arabia, March, 2009, pp. 48-59.
25. Alaaeldin Hafez, Ghazy M.R. Assassa, "Mining Economy Factors", the 2nd National Information Technology Symposium, NITS'09, Riyadh, Saudi Arabia, March, 2009, pp. 24-33.
26. Hassan Mathkour, Hatim Aboalsamh, Ghazy M.R. Assassa, Hmood Al Dossari, "Use of Extreme Programming in Software Engineering Education: A Pilot Study", Engineering Research Journal, Faculty of Engineering, Minoufiya University, vol 31, no. 1, January 2008, pp. 39-47.

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## 10.2. Publications

- Has **10 NASA/ADS-indexed** papers: [1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#).
- Has a paper classified by ScienceDirect in top 25 hottest article in March 2006.
- [Recent publications \(2007-2008\) Link](#)

### Publications (60 research papers)

- Listed below 60 research papers
- Has **10 NASA/ADS-indexed** papers : [1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#).
- Has a paper classified by [ScienceDirect in top 25 hottest article](#) in January- March 2006.  
<http://top25.sciencedirect.com/subject/energy/11/journal/energy/03605442/archive/7>

### List of Publications (60)

1. [Assassa, G.](#); [Gay, B.](#), "An interaction model for predicting detached turbulent flows", Academie des Sciences (Paris), Comptes Rendus, Serie B - Sciences Physiques, vol. 281, no. 5-8, Aug. 4-25, 1975, pp. 97-100. In French.  
NASA ADS Link: <http://adsabs.harvard.edu/abs/1975CRASB.281...97A>
2. [Gay, B.](#); [Assassa, G.](#), "Analysis of the singularity near the separation point by an integral method", Academie des Sciences (Paris), Comptes Rendus, Serie B - Sciences Physiques, vol. 284, no. 22, June 13, 1977, pp. 483-486. In French.  
NASA ADS Link: <http://adsabs.harvard.edu/abs/1977CRASB.284..483G>
3. [Assassa, G.](#); [Gay, B.](#), "Finite element solution of the von Mises equation", Academie des Sciences (Paris), Comptes Rendus, Serie B - Sciences Physiques, vol. 284, no. 24, June 27, 1977, pp. 543-546. In French.  
NASA ADS Link: <http://adsabs.harvard.edu/abs/1977CRASB.284..543A>

4. [Assassa, G. M.](#); [Gay, B.](#), "Finite element solution of laminar boundary layers with suction or blowing and longitudinal pressure gradient", *Journal de Mecanique Appliquee*, vol. 1, no. 4, 1977, pp. 357-376. In French.  
NASA ADS Link: <http://adsabs.harvard.edu/abs/1977JMecA...1..357A>
5. [Assassa, G. M.](#); [Brauner, C. M.](#); [Gay, B.](#), "A new approach to the boundary layer equations - Optimal control of the Van Mises equation by wall suction and numerical solution using finite difference and finite element techniques", *Institution of Engineers, Australian Hydraulics and Fluid Mechanics Conference*, 6th, Adelaide, Australia, Dec. 5-9, 1977, Paper. 5 p.  
NASA ADS Link: <http://adsabs.harvard.edu/abs/1979ATJFE.101..110A>
6. [Assassa, G. M.](#); [Gay, B.](#), "Numerical prediction of turbulent flows near the separation point", *Entropie*, vol. 14, May-June 1978, pp. 29-38. In French.  
NASA ADS Link: <http://adsabs.harvard.edu/abs/1978Entro..14...29A>  
  
Research supported by the Delegation Generale a la Recherche Scientifique et Technique (DGRST).
7. [Assassa, G. M.](#); [Papailiou, K. D.](#), "An integral method for calculating turbulent boundary layer with separation", *ASME, Transactions, Journal of Fluids Engineering*, vol. 101, Mar. 1979, pp. 110-116.  
NASA ADS Link: <http://adsabs.harvard.edu/abs/1979ATJFE.101..110A>  
  
Research supported by the Societe Nationale d'Etude et de Construction de Moteurs d'Aviation (SNECMA).
8. [Gay, B.](#); [Assassa, G. M.](#), "Allowance for the separated zone in the calculation of an incompressible turbulent boundary layer", *Association Aeronautique et Astronautique de France, Colloque d'Aerodynamique Appliquee*, 16th, Lille, France, Nov. 13-15, 1979, 92 p. In French.  
NASA ADS Link: <http://adsabs.harvard.edu/abs/1979aaaf.coll....G>
9. [Gay, B.](#); [Assassa, G. M.](#), "Sheared zone considerations in incompressible turbulent boundary layer calculations", *Association Aeronautique et Astronautique de France, Colloque d'Aerodynamique Appliquee*, 16th, Lille, France, Nov. 13-15, 1979, In French.  
NASA ADS Link: <http://adsabs.harvard.edu/abs/1980aeap.coll...13G>
10. [Anceaux, P.](#); [Assassa, G.](#); [Gay, B.](#), "Optimization of the external velocity of a turbulent boundary layer by an integral method", In: *Numerical methods for engineering; Proceedings of the Second International Congress*, Paris, France, December 1-5, 1980. Volume 2. (A82-18226 06-39) Paris, Dunod, 1980, pp. 845-854. In French.  
NASA ADS Link: <http://adsabs.harvard.edu/abs/1980nme.....2..845A>
11. El-Dessouky H.T.A., Assassa G.M.R. , "[Computer code for optimizing MSF desalination plant](#)", *Desalination*, Florence, vol. 45, 1983, pp. 111-112.  
<http://www.desline.com/proceedings/12-tc.html>
12. Assassa G.M.R. , El-Dessouky H.T.A "[Dynamic stability of MSF desalination plants](#)", *Desalination*, Florence, vol. 45, 1983, p. 133.

[http://garfield.library.upenn.edu/histcomp/desalination\\_j/index-au1-6.html](http://garfield.library.upenn.edu/histcomp/desalination_j/index-au1-6.html)

13. El-Dessouky H.T.A., Assassa G.M.R. , "[Computer simulation of the horizontal falling film desalination plant](#)", Desalination, Bermuda, vol, 55, 1985, pp.119-138.  
<http://www.desline.com/proceedings/14-tc.html>
14. El-Swify M.E., Assassa G.M., " Mixing process and performance prediction of a steam ejector in jet", 1989.
15. Abdel-Aal HK, Al-Zakri AS, El-Sarha ME, El-Swify ME, Assassa G.M., "Other options of mass and energy input for steam jet refrigeration systems", J. Chem Engng, vol. 45, 1990, pp. 99–110.
16. S.S. Ayad, E.A. Abdel Hadi, G.M. Assassa, R.I. El-Ghanam, "[Finite element model for buoyancy-driven cavity flow](#)", Journal of Engineering and Applied Science, Faculty of Engineering, Cairo University, vol. 39, no. 5, Oct. 1992, pp. 993-1008.
17. G.M. Assassa, K. Ahmad, "The internet and electronic library systems", Symposium on New Technologies in Libraries, Cairo University, Dec. 1996.
18. G.M. Assassa, "The internet: An introduction", Symposium on the Internet in Education and Research, Proceedings of the 22nd Conference for Statistics, Computer Science, May 3-10, 1997, pp. 1-43.
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### 10.3. Attended Training, Workshops, Seminars and Symposiums

- ❑ The 18<sup>th</sup> National Computing Conference NCC, Saudi Computer Society, 2006.
- ❑ First National Information Technology Symposium “NITS”, College of Computer and Information Sciences, Riyadh, Saudi Arabia, 2006.
- ❑ IMC – EU Tendering Procedures Programme – EEMDC in Association with MCA, 2003.
- ❑ IMC – Using LOGFRAME Methods – EEMDC in Association with MCA, 2002.
- ❑ Quality Management in Information Technology: Current & Future Trends, IESC-CBS “International Executive Service Corps-Center for Business Support” in cooperation with Quality Assurance Institute of Orlando, April 12, 2001, Cairo.
- ❑ ISO 9000:2000 Transition Course, IESC-CBS “International Executive Service Corps-Center for Business Support” in cooperation with Moody International Certification Ltd., March 19-20, 2001, Cairo.
- ❑ Symposium on IT “ e-Xpand Your Business”, IESC-CBS “International Executive Service Corps-Center for Business Support” in cooperation with Gartner Group, January 22, 2001, Cairo.
- ❑ Workshop for the ICT “Information and Communication Technology” Industry, CBI & Expolink, June 20-22, 2000, Cairo.
- ❑ Certified Management Consultants Workshop, European Management Centre, Nov 19-20, 2000, Cairo.
- ❑ Symposium on Distance Education by satellite, Euro- Egyptian Seminar, UNESCO – European Union, April, 1999.
- ❑ Organized and chaired a symposium on Internet in Education and Research , The 22nd Int’l Conference for Statistics and Research, Cairo, May 1997.
- ❑ Computer Image Processing, St. Etienne, France, 1986.
- ❑ Integrated Database Management Design, ICL , Baumont, United Kingdom, 1984.
- ❑ Transaction Machine Environment Facilities, ICL , Baumont, United Kingdom, 1984.
- ❑ Computational Methods, von Karman Institute, Belgium ,1974, 1977, 1978.

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### 10.4. Recent Delivered Training

- ❑ **“Information Technology Project Management: An Overview”**, The Second National Information Technology Symposium “NITS09”, College of Computer and Information Sciences, Riyadh, King Saud University, Saudi Arabia, March 2009.
- ❑ **“IT Project Management”**, The 19<sup>th</sup> National Computing Conference NCC19, Saudi Computer Society, Riyadh, Saudi Arabia, February 2009.
- ❑ **“IT/Software Project Management and Risk Analysis”**, The First National Information Technology Symposium “NITS06”, College of Computer and Information Sciences, Riyadh, King Saud University, Saudi Arabia, February, 2006.
- ❑ **“Software Project Management and Cost Estimation”**, The 18<sup>th</sup> National Computing Conference NCC18, Saudi Computer Society, Riyadh, Saudi Arabia, March, 2006.
- ❑ “C++ programming”, Delta Academy, Riyadh, Saudi Arabia, 2002.
- ❑ “Systems Maintenance”, Industrial Modernization Centre-European Union, IMC-EU Egypt, 2001.

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**Positions:**[\[Top\]](#)

<b>Date from - Date to</b>	<b>Location</b>	<b>Company</b>	<b>Position</b>	<b>Description</b>
Aug 2001 - present	Riyadh, Saudi Arabia	College of Computer & Information Sciences, King Saud University	Professor	Teaching & Projects supervision for undergraduate and postgraduate levels
Jan. 1998 -Aug 2001	Cairo, Egypt	Compusite – Engineering Consultant Team	Managing Director	Management Consultancy, Training, and IT Services
Oct. 1988 – present	Cairo, Egypt	Faculty of Engineering at Shoubra, Zagazig University	Professor	Teaching & Projects supervision for undergraduate and postgraduate levels
Oct. 1988 -July 1995	Jeddah, Saudi Arabia	King Abdul Aziz university	Professor	Teaching & Projects supervision for undergraduate and postgraduate levels
Nov.1984 - Jan.1985	Qatar	Faculty of Engineering, Qatar University	Visiting Professor	Teaching undergraduate courses
Feb. 1982 -Oct. 1987	Cairo, Egypt	Faculty of Engineering at Shoubra, Zagazig University	Associate Professor	Teaching & Projects supervision for undergraduate and postgraduate levels
Jan. 1980 - Feb. 981	Saudi Arabia	King Faisal University	Assistant Professor	Teaching & Projects supervision for undergraduate and postgraduate levels
Oct. 1978 -Dec. 979	Lyon, France	C.N.R.S. French National Center for Scientific Research - Ecole Centrale de Lyon 'ECL'	Responsible of Research	Research for CNRS and SNECMA,
Aug.1973- Sept.1978	Lyon, France	METRAFLU, Ecole Centrale de Lyon 'ECL'	Senior Consultant	Research for Ecole Centrale de Lyon, SNECMA, Avions Marcel Dassault, EDF, ONERA, ANSALDO (Italy)
Oct.1972 - Sept.1973	Lyon, France	INSA - Institut National des Sciences Appliqués de Lyon	Assistant	Teaching/ Training Mechanical Eng. students
Oct. 1970- Sept.1972	Lyon, France	Ecole Centrale de Lyon 'ECL'	Research Engineer	Research for Metraflu

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## 11. Consultancy Experience

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### 11.1. Consultancy in various countries:

Country	Date from - Date to
France	Feb. 1970 to Dec. 1979
Qatar	Nov. 1984 to Jan. 1985
Kingdom of Saudi Arabia	Jan. 1980 to Feb. 1981 Oct. 1988 to July 1995 Aug. 2001 to present
Egypt	Feb. 1982 to Present

- ❑ Extensive training/education experience in engineering and management.
- ❑ Wide exposure in the design of Management Reporting Systems 'MRS'
- ❑ Particular experience in the application of Balanced Scorecard 'BSC' for measurable Key Performance Indicators that match organisation strategic objectives.
- ❑ Extensive experience in Information Technology 'IT' , MIS, and software engineering sectors including:
  - Software development for bespoke systems including analysis, design , implementation, testing and installation
  - Database applications
  - Web based systems design and development
  - Computer Aided Design and Manufacturing CAD/CAM
  - Software Quality Management Systems CMM, CMMI, ISO 9000-3, TickIT.
  - Software engineering and software/IT project management training.
- ❑ Extensive experience in Business Management in various manufacturing and services sectors including Information Technology, Engineering Industries.
- ❑ Carried out many assignments within the Euro-Mediterranean Partnership. Programme - Private Sector Development Programme 'PSDP '- Egypt including:
  - Business Diagnosis and Initial Survey Study
  - Business Analysis and Business Planning
  - Action Planning study and identification of projects to be implemented
  - Implementation of action plans.
- ❑ Carried out many industrial engineering assignments within the IMC-EEMDC.
- ❑ Project management including Planning, scheduling, monitoring and evaluation.
- ❑ Experience in Implementing Information Technology and Costing action plans projects.
- ❑ TQM 'Total Quality Management' including ISO 9000:2000 Quality System and transition from ISO 9000:94 to ISO 9000:2000 issues as well as Environmental Quality Systems ISO 14000 and HACCP.
- ❑ Consultancy Services to Mubarak Public Library for acquiring a new Library Information System covering Mubarak Public Library activities within the main branch and its satellite branches in Egypt.
- ❑ Consultancy Services to the Information and Decision Support Center, IDSC, the Cabinet, Cairo for the technical evaluation of the Advanced Library Information System, ALIS.
- ❑ Technical evaluation of the Egyptian Inter-Universities project for interconnecting the Libraries of the seventeen Engineering Faculties via a LAN/WAN and to the Internet, Engineering & Technical Education Project, Ministry of Higher Education, World Bank, Cairo. (System value LE 4,000,000).

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## 12.2 Consulting Experience and References

No	Client Company Name	Client Activity Sector	Consultancy Work Delivered	Client Location	Date from Date to
1	Al-Alamia	Education/Training	Development of course materials for two database courses	Saudi Arabia	Dec 2003- Dec 2004
2	IMC-EU Egypt	Training	IMC-EEMDC, Industrial Training	Cairo, Egypt	Dec 2002 - Feb 2003
3	Delta Academy	Education/Training	B Sc training	Saudi Arabia	Dec 2002 – Jan 2003
4	King Saud University	Education/Training	Education/Training	Saudi Arabia	Sept 2001 – June 2002
5	Tiba Academy	Education/Training	Curriculum development	Saudi Arabia	Jan 2002 – Feb 2002
6	Giza Food	Food Processing	PSDP, Implementation project - MIS	Giza, Egypt	July 2001 - November 2001
7	Comex	Manufacturer of Die Cast accessories products	PSDP, Implementation project - Costing system	6 <sup>th</sup> of October City, Egypt	November 2000- October 2001
8	Comex	Manufacturer of Die Cast accessories products	PSDP, Implementation project - Management Information System	6 <sup>th</sup> of October City, Egypt	November 2000- September 2001
9	Khater International	Construction	PSDP, Implementation project - Costing system	Giza, Egypt	November 2000- July 2001
10	UK SMG Lead Consultant	SMG , Inward buyer mission, Export Marketing	PSDP, Implementation project - Website Development	UK	February 2000 - March 2000
11	Mubarak Public Library	Library services	Implementation project- Phase 1- Library MIS	Giza, Egypt	May 2000 - March 2001
12	Egyptian Timber Company	Manufacturer of furniture and wood products	PSDP, Business Plan Assignment	Nobaria City, Egypt	June 2000- April 2001
13	Elias Modern Publishing Company,	Publishing of dictionaries and children books	PSDP, Action Plan Assignment	Cairo, Egypt	September 2001 -November 2001
14	International Company for Agro-Industrial Projects	Food processing (Diary)	PSDP, Action Plan Assignment	Sadat City, Egypt	August 2001 - October 2001
15	Carpet Factory	Manufacturer of Hand made carpets	PSDP, Action Plan Assignment	Giza, Egypt	August 2001 - October 2001
16	Saif Pharmacy Group	Pharmaceutical products distributor	Implementation project, Website development	Cairo, Egypt	July 2001
17	Jet	Contracting and Construction	Implementation project, Website development	Cairo, Egypt	August 2001
18	Engineering Plastics	Manufacturer of plastic products	PSDP, Initial Study Survey	6th of October City, Egypt	May 2001
19	Al Ezz Ceramic and Porcelain	Manufacturer and distributor of ceramic and porcelain tiles	PSDP, Initial Study Survey	Sadat City, Egypt	May 2001
20	Daltex Information Technology	Information Technology services	PSDP, Initial Study Survey	Giza, Egypt	July 2001
21	Alexandria Agriculture	Food Processing	PSDP, Initial Study Survey	Nobaria City, Egypt	April 2001
22	The Cabinet Information and Decision Support Center, IDSC,	Information Technology services	Technical Evaluation Assignment of Library Information System	Cairo, Egypt	March 1999-April 1999
23	Ministry of Higher Education- World Bank	Project Management Unit - Faculties of Engineering libraries project	Bids Technical Evaluation Assignment - Faculties of Eng Library Info System	Cairo, Egypt	July 1998- February 1999
24	AlAmal International Center for Management and	Management Training	Management Training	Cairo, Egypt	1998 – 1999

	Development				
25	Faculty of Engineering, Zagazig University, Egypt	Higher Education and Training	Bids Technical Evaluation Assignment – Multi media Centre	Cairo, Egypt	Jan 1999 - February 1999
26	Faculty of Engineering, Zagazig University, Egypt	Higher Education and Training	Curriculum development and course specifications	Cairo, Egypt	1998 -1999
27	SWIFT Group	Shipping and Forwarding services	PSDP, Initial Study Survey	Cairo, Egypt	April 2001
28	Magdi El Shoeikh Ready made garments	Textile: Manufacturer of Ready made garments	PSDP, Initial Study Survey	10th of Ramadan City, Egypt	June 2001
29	The Egyptian Company for Foreign Trade	Food Processing – Dairy and Juice	PSDP, Initial Study Survey	Cairo, Egypt	February 2001
30	United Center for Engineering and Contracting,	Construction and Contracting	PSDP, Initial Study Survey	Alexandria, Egypt	July 2001
31	The International Investment Advisor, Giza, Egypt	Financial Services	PSDP, Initial Study Survey	Giza, Egypt	June 2001
32	Egyptian International Motors	Distributor and Maintenance of vehicles and building equipment	PSDP, Initial Study Survey	Cairo, Egypt	March 2001
33	EBONY	Manufacturer of Furniture	PSDP, Initial Study Survey	Alexandria, Egypt	July 2001
34	ELEXIR 2	Film Processing	PSDP, Initial Study Survey	Giza, Egypt	February 2001
35	Abdel Hamid for Metallic Works	Manufacturer of Metallic Works	PSDP, Initial Study Survey	10th of Ramadan City, Egypt	April 2001
36	Carpet Factory	Manufacturer of Hand made carpets	PSDP, Initial Study Survey	Giza, Egypt	July 2001
37	El Mansoura Spain for Ready Made Garments	Manufacturer of Ready Made Garments	PSDP, Initial Study Survey	El Mansoura , Egypt	July 2001
38	South Egypt Drug Industries Company - SEDICO	Manufacturer of Pharmaceutical Products	PSDP, Initial Study Survey	6th of October City, Egypt	August 2001
39	Al Ferdaws Food Industries Materials Company - FIMCO	Food Processing	PSDP, Initial Study Survey	Borg Al Arab City, Alexandria, Egypt	August 2001
40	ALPHA Cargo	Shipping and Forwarding Services	PSDP, Initial Study Survey	Cairo, Egypt	August 2001
41	Information Technology Group	Information Technology Services	PSDP, Initial Study Survey	Cairo, Egypt	July 2001
42	El Sewedy Electrical	Distributor of Electric supplies	Management Information System	Cairo, Egypt	December 1999- June 2000
43	Jeddah Cable Company	Manufacturer of Electricity Cables	Design and Implementation of Manufacturing MIS and Quality Management System	Jeddah, Saudi Arabia	January 1993 - July 1995
44	Dr. Faquih Hospital	Hospital and Medical Services	Specification of Hospital Information System	Jeddah, Saudi Arabia	August 1994
45	El Sewedy Enterprises	Distributor of Electric supplies	Selection and Implementation of MIS	Jeddah, Saudi Arabia	January 1993 - February 1994
46	SAMAREK	Safety Services	Specification of Management Information System	Jeddah, Saudi Arabia	July 1992
47	AlMajal service Master Company	Airports and Hospitals Services	Implementation and Support of Management Information System	Jeddah, Saudi Arabia	July 1989 – February 1992
48	Faculty of Engineering, Zagazig	Education and Training	Set up of Computer Centre	Cairo, Egypt	1988

	University				
49	TELEMEDIA Inc.	Training and Educational Consultancy Services	Design and implementation of Training Courses	USA based - Cairo	1987 - 1988
50	Faculty of Engineering, Zagazig University	Education and Training	Specification of Computer system	Cairo, Egypt	March 1985
51	Institute of Cardiology	Hospital and Medical Services	Specification of Computer System	Cairo, Egypt	February 1984
52	METRAFLU	Consultancy and Research	Consultancy at Ecole Centrale de Lyon for SNECMA, Avions Marcel Dassault, EDF, GDF, DGRST, ONERA, CNRS, ANSALDO Italy	Lyon, Marseille, France, Italy	August 1973-September 1978

*The above list is confidential and shall not be revealed without the express permission of Professor Dr. Ghazy Assassa. Contact details will be provided upon request.*

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