

CURRICULUM VITAE

(As of November 2009)

Prof Dr Eng Ghazy Assassa

Doctorat d'état es Sciences, D. Sc., France
M. Sc., France

Certified Management Consultant CMC, UK
Advanced Gifted Students School, Ain Shams

Advisor to Benha University President for IT

Chief Information Officer, Benha Univ
Strategic Planning Higher Committee, Benha Univ

National Council for ICT, Egypt, member

<http://www.bu.edu.eg/staff/eng/ghazy/>

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



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- My 10 NASA/ADS-indexed research papers: [1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#).
- [Certified Management Consultant](#) (CMC) ® from the [Institute of Management Consultancy in the UK](#).
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EXECUTIVE SUMMARY

- Professor since 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 Fluid Dynamics and got the degree of MSc '**DEA**' in Applied Mathematics in 1972. Both degrees are from prestigious French institutions: [Ecole Centrale de Lyon](#) & [Université de Lyon](#).
- Graduated from the Faculty of Engineering at Cairo University 1967.
- Graduated from the **Advanced Gifted Students Secondary School** of Ain Shams, Cairo in 1962.
- 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 \(IMC\) in the UK](#). Also Associate Member of the IMC, 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 recherche 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.
- **Professor in the department of Computer Science, College of Computer and Information Sciences, King Saud University, Sept 2001-June 2009:**
 - [Senior Consultant to the Vice Rector Office for Development and Quality](#) at King Saud University, October 2006-June 2009.
 - Key contributor reporting to the Vice Rector for Development and Quality for reviewing [King Saud University's 20 years Strategic Plan designed by Mackenzie Consulting](#), January-June 2009.
 - Key player of the **PhD Committee for the design of the joint PhD program** at the College of Computers and Information Sciences, King Saud University, 2006-2007.
 - Taught **9 postgraduate courses** and **5 undergraduate** courses.
 - Ranked always in the **top 5% faculty** in the College of Computer and Information Sciences, King Saud University (evaluation carried each semester by CCIS students).
- **Since Sept, 2009**
 - [Advisor to Benha University President for IT](#)
 - **Chief Information Officer, Benha Univ**
 - **Strategic Planning Higher Committee, Benha Univ**
 - **National Council for ICT, Egypt, member**
 - [The Balanced Scorecard \(BSC\) for the university](#)
- Backed with more than 35 years of experience, has some 60 research publications and reports, and supervised some 27 MSc and PhD students.
- Participated as an active member in many academic activities including Senate Member (College Council), Postgraduate and undergraduate 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 consultancy cumulative experience in more than 50 projects in multiple sectors including Strategic Management, Balanced Scorecards, Enterprise Architecture, IT and Software.
- 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.

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DETAILED CURRICULUM VITAE

Prof Dr Eng Ghazy Assassa

1. Personal Information

Family name: Assassa
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website: <http://faculty.ksu.edu.sa/ghazy>
<http://www.bu.edu.eg/staff/eng/ghazy/>

2. Education

Institution	Degree obtained - Date
University of Lyon - Ecole Centrale of Lyon Lyon, France	D Sc "Doctorat d'état es Sciences" 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
Advanced Gifted Students Secondary School of Ain Shams, Cairo	General Secondary certificate , June 1962

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3. 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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4. 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 22nd, 23rd, 24th, 25th and 26th Int'l Conferences for Statistics, Research and Computer Applications, Cairo, 1997,1998, 1999, 2000, 2001.
- ❑ International Scientific Committee of WASA.

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5. Advisor to Benha University President for IT, since September 2009

- ❑ Chief Information Officer (CIO) for Benha University
- ❑ Strategic Planning Higher Committee, Benha Univ
- ❑ National Council for ICT, Egypt, member

The tasks associated with the above responsibilities include the following ICT projects for the Ministry of Higher Education, Projects Management Unit (PMU), Information and communication Technology Project (ICTP):

Supervising the development of the following ICT projects:

1. Director of the ICT project for "Establishing and Implementing Electronic Portal for the University"
2. Supervising the ICT project for "Developing and Implementing MIS applications in the University"
3. Supervising the ICT project for "Infrastructure Development of the university Data Center"
4. Supervising the ICT project for "Improving the Quality of Using ICT in Education (e-Courses Production)"
5. Supervising the ICT project for "ICT Training"
6. Supervising the ICT project for "Automating Egyptian Universities Libraries"
7. Supervising the ICT project for "Building Digital Repository for Universities Theses and Dissertations".

In addition, as **Advisor to Benha University President for IT and the Chief Information Officer (CIO)** the following tasks are being served:

1. **Development and Implementation of a Balanced Scorecard (BSC) system for the university and its faculties in relation to the strategic plan.**
"This is an application of the Balanced Scorecard to public-sector organizations where the financial measures are not the most relevant indicators for existence; instead, the relevant measures would be related to the effectiveness and efficiency of operations."
2. **Developing the Strategic plan for the university, as member of the higher committee for strategic planning.**
"The task includes, identifying the university vision and mission, SWOT analysis, gap analysis, defining the strategic objectives, identifying the implementation programs and projects and associated cost, risk, impact, schedule, and key performance indicators (KPIs)."

6. Distinction and Awards

1. Graduated from the **Advanced Gifted Students Secondary School** of Ain Shams, Cairo in 1962. This is the top-level secondary school in Egypt where only the top 5 students from each educational region in Egypt may be admitted as intern students for three years.
2. Got the distinction award in Mathematics and advanced Mathematics from the Ministry of Education, Egypt, 1962.
3. Obtained the degree of **Doctor of Sciences 'Doctorat d'état es Sciences'** with honors in 1976 from the prestigious French engineering school: [Ecole Centrale de Lyon](#) & [Université de Lyon](#).
4. Has 10 NASA/ADS-indexed research papers: [1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#).
5. Has a paper classified by ScienceDirect in top 25 hottest article in March 2006:
<http://top25.sciencedirect.com/subject/energy/11/journal/energy/03605442/archive/7>
6. Joined the prestigious French National Scientific Research Center (Centre National de la Recherche Scientifique 'CNRS').
7. Is a [Certified Management Consultant](#) (CMC) ® from the [Institute of Management Consultancy \(IMC\) in the UK](#). Also Associate Member of the IMC, UK.
8. 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 recherche 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.
9. [Senior Consultant to the Vice Rector Office for Development and Quality](#) at King Saud University, October 2006-June 2009.
10. Key contributor reporting to the Vice Rector for Development and Quality for reviewing [King Saud University's 20 years Strategic Plan designed by Mackenzie Consulting](#), January-June 2009.
11. Always distinguished and ranks in the top 5% in the annual (2004-2009) student survey organized in the department of Computer Science, College of Computer and Information Sciences, King Saud University.
12. Advisor to Benha University President for Information Technology
13. Chief Information Officer, Benha University, since Sept 2009.
14. Member of the Strategic Planning Higher Committee at Benha University, since Sept 2009.
15. Member of the National Council for Information and Communication Technology (ICT), Egypt, since Sept 2009.
16. Has supervised the top two best BSc graduation projects in the following departments, College of Computer and Information Sciences, King Saud University:
 - Building a software solution for **Balanced Scorecards**, Department of Information Systems, 2004.

- Web-based student attendance system using proximity cards, Department of Computer Science, 2005.
 - Development of health care system using smart cards, Department of Computer Engineering, 2005.
17. Has supervised the winning BSc project in the Advanced Electronic Company contest, 2008, College of Computer and Information Sciences, King Saud University.
- The winning project title: Development of SMS Encryption system
 - Five departments are competing in this contest: Computer Science, Computer Engineering, Information Systems, Computer Applications, and Electrical Engineering.
18. Has supervised the second best winning BSc project in Microsoft contest, 2005, College of Computer and Information Sciences, King Saud University.

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7. Key Academic Qualifications (as relevant to the College of Computer and Information Sciences and King Saud University)

7.1. Consulting to the office of the Vice Rector for Development and Quality, King Saud University

- Appointed as a senior consultant to the office of the Vice Rector for Development and Quality October, 2006-June 2009.
- Worked on the major assignment of **reviewing of King Saud University's 20 years Strategic Plan** that was designed by **Mackenzie Consulting** January, 2009-June 2009. This assignment included the following major tasks:
 - Proposal of seven NEW projects to support KSU strategic plan.
 - Comments on: The Discussion Documents of April 5th, 2009 & March 31, 2009
 - Comments on: Developing a High Impact Strategic Plan for 2028, including comments on:
 - Evaluation and assessment of current status
 - Analysis of internal and external trends
 - Benchmarking and Competitive Analysis
 - Best practices -Elements of a great university
 - Quick wins
 - Scenarios and strategic alternatives
 - Mission, Vision, Values
 - Organization changes
 - Strategic plan implementation – Key Performance Indicators KPIs
 - Strategic plan implementation – Risk management.
 - Discussion of the challenges that would face the implementation of KSU strategic plan, e.g., adaptability of KSU strategic plan to embrace unplanned changes in environment including new outstanding threats and new emerging opportunities as well as potential changes in benchmark metrics that might arise over the next 20 years.

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7.2. Supervision of MSc Students

Supervised 27 PhD and MSc students including the following recent past 6 years topics at the department of Computer Science, CCIC, KSU:

1. Extreme Programming in Educational Environment, 2003-2004
2. Development of a software tool for Autistic children, 2003-2004
3. Steganalysis: Improving the F5 Algorithm, 2004-2005
4. Object Oriented Metrics, 2004-2005
5. Work Flow Management, 2004-2005
6. Software Cost Estimation, 2004-2005
7. Automated Testing, 2005-2006
8. Component Based Development, 2005-2006
9. Steganography: Experiments with Outguess Algorithm, 2005-2006
10. Stress Testing, 2006-2007
11. Automated Testing in Software Education, 2006-2007
12. Face Recognition Systems using Neural Networks, 2007-2008
13. Risk Management in Extreme Programming, 2007-2008
14. RFID Mass Detection, 2007-2008
15. Text Steganography for Arabic carriers, 2008-2009
16. Face Recognition using PCA, LDA, SVM techniques, 2008-2009
17. Software Quality using Balanced Score Cards and 6 Sigma, 2008-2009
18. Text Steganography,, running
19. Electronic "Tadawol" system in KSA Financial Market, 2008-2009
 - in cooperation with **Gulf University in Bahrain**

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7.3. Grants and Research Projects

7.3.1. Grant from the Ministry of Higher Education, Projects Management Unit (PMU), Information and communication Technology Project (ICTP), Egypt:

- Director of the ICT project for "Establishing and Implementing Electronic Portal for Benha University", Sept, 2009.

7.3.2. Grants from the Center of Excellence in Information Assurance, KSU

The following researches were supported by the Center of Excellence in Information Assurance (CoEIA), KSU:

- Principal investigator: Face Recognition using Evolutionary Approach, 2008.
- Co-investigator: Image Signature, 2008.

7.3.3. 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:

- Extreme Programming in Education, 2005.
- Mobile finder, 2006.
- Development of an Attendance System, 2008.

7.3.4. 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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7.4. University Committees

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

1. Council of the Deanship of Higher Studies, KSU 2006-2009
 - This is the highest level KSU council in charge of higher studies within the university including PhD and MSc thesis proposals reviewing and approval.
2. Permanent Committee of Scientific Programs, Deanship of Higher Studies, KSU. 2006-2009
This permanent committee is in responsible of the scientific programs in KSU scientific colleges. The tasks include:
 - Assessment, benchmarking and approval of the newly proposed PhD and MSc programs
 - Evaluation of running PhD and MSc programs.
3. Council of PhD programme, CCIS, 2008-2009
 - This council is responsible of all the tasks related to the joint PhD program in the college of Computer and Information Sciences; this includes: curriculum development and course specification of the Joint PhD Programme, students registration, students files evaluation, entry exams, students acceptance, qualification exams, comprehensive exams, etc.
4. Council of Research Center, CCIS, KSU, 2005-2009.
 - This council is in charge of all research activities within the college of Computer and Information Sciences; this includes: research proposals technical and financial assessment, grants approval of research proposals, monitoring approved researches via assessment and approval of progress report, technical approval of final reports of approved reports, approval of completed researches for publications, etc
5. Evaluation committee of Master Programs, CCIS, KSU.
6. PhD programme committee, CCIS, KSU.
7. Software Engineering programme committee for curriculum design of the department of Software Engineering, CCIS, KSU.
8. Information Technology programme committee for curriculum design of the department of Information Technology, CCIS, KSU.
9. Postgraduate committee, department of Computer Science, for curriculum design of the Masters and PhD programs in the 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, for interviewing PhD students in view of acceptance in the PhD program in the department of Computer Science, CCIS, KSU.
12. MSc project committee, Department of Computer Science, CCIS, KSU.

7.4.2. At the Faculty of Engineering, Shoubra, Cairo Egypt :

13. Senate member (College Council), 1984-1988 & 1995-1999
14. Higher Studies and Research committee

15. Information Technology Committee (chairman).
16. Environment Committee.
17. Student Affairs Committee.
18. Energy committee.

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

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

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7.5. Teaching

- Taught many course at under- graduate and Post graduate levels, including the following courses in the three departments (CSC: Computer Science dept, CEN: Computer Engineering dept, and IS Information Systems dept) at the College of Computer & Information Sciences (CCIS), 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 (IS: Information Systems dept)
16. IS 496 BSc Project 1 (IS: Information Systems dept)
17. IS 497 BSc Project 2 (IS: Information Systems dept)
18. CEN 496 BSc Project 1 (CEN: Computer Engineering dept)
19. CEN 497 BSc Project 2 (CEN: Computer Engineering dept)

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- Taught many under- graduate courses at the department of Computer Science, Faculty of Science, **King AbdulAziz University**:
 20. Discrete Mathematics
 21. Systems Analysis and Design
 22. Database Design
 23. Linear Programming
 24. Computational Numerical Methods
 25. Graduation Project
- Taught many under and post graduate courses at Ecole Central de Lyon, France and INSA Lyon France
 26. Probability and Statistics
 27. Computational Turbomachinery (post graduate)

- Taught many under and post graduate courses at the Faculty of Engineering at Shoubra
 - 28. Numerical Analysis
 - 29. Computer Programming
 - 30. Systems Analysis and Design
 - 31. Advanced Numerical Analysis and Optimization (post graduate)

 - 32. Computational Fluid Dynamics (post graduate)
 - 33. Thermodynamics
 - 34. Turbomachinery
 - 35. Graduation Project

7.6. 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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8. Publications, Research and Scientific Activity

- | | |
|---|----|
| □ Research papers | 60 |
| □ Recent Publications and Research Work (2008-2009) | 26 |
| □ Attended International conferences | 30 |
| □ Ph.D. supervision | 6 |
| □ M.Sc. supervision | 21 |
- 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.

8.1. 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
 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
 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 Touir, 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 &

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/200808/20080846.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/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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8.2. 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.
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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.
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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.
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8.3. Attended Training, Workshops, Seminars and Symposiums

- ❑ Preparation of External Auditors for Higher Education Institutions, The National Authority for Quality Assurance and Accreditation of Education (NAQAAE), November 7-12, 2009.
- ❑ The Second National Information Technology Symposium “NITS”, College of Computer and Information Sciences, Riyadh, Saudi Arabia, March 2009.
- ❑ IBM UML training, Feb 2009.
- ❑ The 19th National Computing Conference NCC, Saudi Computer Society, February 2008.
- ❑ The 18th National Computing Conference NCC, Saudi Computer Society, 2006.
- ❑ The 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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8.4. 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 19th 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 18th 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:[\[Top\]](#)

Date from - Date to	Location	Organization	Position	Description
Sept 2009 - Present	Cairo, Egypt	Benha University	Professor, Advisor to Benha University President for IT	Chief Information Officer, Strategic Planning Higher Committee, National Council for ICT, Egypt,
Aug 2001 - June 2009	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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9. Consultancy Experience

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9.1. 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

No	Organization	Client Activity Sector	Consultancy Work Delivered	Client Location	Date from Date to
1	The University President office, Benha university	Advisor to the university president for IT	Director and supervisor of ICT projects including Balanced Scorecard and Portal, MIS, e-learning projects	Egypt	Sept 2009 - present
2	The Vice Rector Office for Development and Quality, King Saud University	20 years Strategic Plan Development and Quality	Review of King Saud University's 20 years Strategic Plan designed by Mackenzie Consulting	Saudi Arabia	Jan 2009 June 2009
3	The Vice Rector Office for Development and Quality, King Saud University	Development and Quality	Strategic Management	Saudi Arabia	Oct 2006 June 2009
4	Al-Alamia	Education/Training	Development of course materials for two database courses	Saudi Arabia	Dec 2003- Dec 2004
5	IMC-EU Egypt	Training	IMC-EEMDC, Industrial Training	Cairo, Egypt	Dec 2002 - Feb 2003
6	Delta Academy	Education/Training	B Sc training	Saudi Arabia	Dec 2002 – Jan 2003
7	King Saud University	Education/Training	Education/Training	Saudi Arabia	Sept 2001 – June 2002
8	Tiba Academy	Education/Training	Curriculum development	Saudi Arabia	Jan 2002 – Feb 2002
9	Giza Food	Food Processing	PSDP, Implementation project - MIS	Giza, Egypt	July 2001 - November 2001
10	Comex	Manufacturer of Die Cast accessories products	PSDP, Implementation project - Costing system	6 th of October City, Egypt	November 2000- October 2001
11	Comex	Manufacturer of Die Cast accessories products	PSDP, Implementation project - Management Information System	6 th of October City, Egypt	November 2000- September 2001
12	Khater International	Construction	PSDP, Implementation project - Costing system	Giza, Egypt	November 2000- July 2001
13	UK SMG Lead Consultant	SMG , Inward buyer mission, Export Marketing	PSDP, Implementation project - Website Development	UK	February 2000 - March 2000
14	Mubarak Public Library	Library services	Implementation project-Phase 1- Library MIS	Giza, Egypt	May 2000 - March 2001
15	Egyptian Timber Company	Manufacturer of furniture and wood products	PSDP, Business Plan Assignment	Nobaria City, Egypt	June 2000- April 2001
16	Elias Modern Publishing Company,	Publishing of dictionaries and children books	PSDP, Action Plan Assignment	Cairo, Egypt	September 2001 -November 2001
17	International Company for Agro-Industrial Projects	Food processing (Diary)	PSDP, Action Plan Assignment	Sadat City, Egypt	August 2001 - October 2001
18	Carpet Factory	Manufacturer of Hand made carpets	PSDP, Action Plan Assignment	Giza, Egypt	August 2001 - October 2001
19	Saif Pharmacy Group	Pharmaceutical products distributor	Implementation project, Website development	Cairo, Egypt	July 2001
20	Jet	Contracting and Construction	Implementation project, Website development	Cairo, Egypt	August 2001
21	Engineering Plastics	Manufacturer of plastic products	PSDP, Initial Study Survey	6th of October City, Egypt	May 2001
22	Al Ezz Ceramic and Porcelain	Manufacturer and distributor of ceramic and porcelain tiles	PSDP, Initial Study Survey	Sadat City, Egypt	May 2001
23	Daltex Information Technology	Information Technology services	PSDP, Initial Study Survey	Giza, Egypt	July 2001

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

				Arabia	
48	El Sewedy Enterprises	Distributor of Electric supplies	Selection and Implementation of MIS	Jeddah, Saudi Arabia	January 1993 - February 1994
49	SAMAREK	Safety Services	Specification of Management Information System	Jeddah, Saudi Arabia	July 1992
50	AlMajal service Master Company	Airports and Hospitals Services	Implementation and Support of Management Information System	Jeddah, Saudi Arabia	July 1989 – February 1992
51	Faculty of Engineering, Zagazig University	Education and Training	Set up of Computer Centre	Cairo, Egypt	1988
52	TELEMEDIA Inc.	Training and Educational Consultancy Services	Design and implementation of Training Courses	USA based - Cairo	1987 - 1988
53	Faculty of Engineering, Zagazig University	Education and Training	Specification of Computer system	Cairo, Egypt	March 1985
54	Institute of Cardiology	Hospital and Medical Services	Specification of Computer System	Cairo, Egypt	February 1984
55	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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