

G. V.



## Personal

**Name** : Mohammed Amoon Ahmed Sharaby.  
**Place of birth** : Menouf - Menoufia, Egypt.  
**Date of birth** : 9 / 2 / 1974.  
**Specialization** : Computer Science & Engineering – Distributed Computing Systems  
**Current job** : Associate Professor at the Computer Science Department / Riyadh Community College / King Saud University /KSA.  
**Affiliations** : 1. King Saud University, Riyadh 11437, 28095, Saudi Arabia.  
2. Menofia University, Menouf, Egypt.  
**Gender** : Male.  
**Nationality** : Egyptian.  
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## Academic Certifications

- PhD in Computer Science and Engineering, Faculty of Electronic Engineering, Egypt, 2006.
- M.Sc in Computer Science and Engineering, Faculty of Electronic Engineering, Egypt, 2001.
- B.Sc in Computer Science and Engineering, Faculty of Electronic Engineering, Egypt, 1996.

## Job Experience

- **Associate professor**, Department of Computer Science and Engineering / Faculty of Electronic Engineering / Menoufia University / Egypt from May 2014 to now.
- **Associate professor**, Department of Computer Science / College of Community / King Saud University from Feb./2013 to now.
- **Assistant professor**, Department of Computer Science / College of Community / King Saud University from 2007 to Jan./2013.
- **Quality Management Representative (QMR)** for ISO 9001:2008 at Riyadh Community College/King Saud University from 2009 to now.
- **Internal auditor** for ISO 9001:2008 at King Saud University from 2009 to now.
- **Lecturer**, Department of Computer Science and Engineering / Faculty of Electronic Engineering / Menoufia University / Egypt from 2006 to 2007.
- **Part time lecturer**, Computer Science & Information technology departments in the faculty of information and computers / Menoufia university and I thought logic design (I & II) and Computer languages (Java I and Java II) courses (2006/2007).

- **Part time lecturer**, the faculty of engineering in Tanta university and I taught the digital systems course (2006/2007).
- **Part time lecturer**, the Maadi Modern Academy and I taught operating systems and Internet & Multimedia courses (2006/2007).
- **Part time lecturer**, Java I, Java II, VB, and ICDL courses at the Computer training center of the faculty of engineering / Menoufia University / Egypt.
- **Part time instructor**, SI(IBM Authorized center) for teaching courses of the mission of the Egyptian Communication Ministry for alumnus from 2000 to 2002.
- **Assistant lecturer**, Department of Computer Science and Engineering / Faculty of Electronic Engineering / Menoufia University /Egypt from 2001 to 2006.
- **Demonstrator**, Department of Computer Science and Engineering / Faculty of Electronic Engineering / Menoufia University / Egypt from 1996 to 2001.
- **Part time instructor**, courses of the mission of the Egyptian Communication Ministry for alumnus from 1999 to 2004 at Menofia University.

## Teaching Experiences

No	Course	Department	College
1	Introduction to Computers and Information Technology	Computer Science	Riyadh Community College-KSU
2	Principles of Computers	Computer Science	Riyadh Community College-KSU
3	Computer Networks	Computer Science	Riyadh Community College-KSU
4	Data Structures	Computer Science	Riyadh Community College-KSU
5	Project for graduates	Computer Science	Riyadh Community College-KSU
6	Principles to Database Design	Computer Science	Riyadh Community College-KSU
7	Artificial Intelligence	Computer Science and Engineering	Faculty of Electronic Engineering-Egypt
8	Software Engineering	Computer Science and Engineering	Faculty of Electronic Engineering-Egypt
9	Advanced Databases	Computer Science and Engineering	Faculty of Electronic Engineering-Egypt
10	Logic Design I	Computer Science	Faculty of Computers and Information-Egypt
11	Logic Design II	Computer Science	Faculty of Computers and Information-Egypt
12	Computer Languages I(Java)	Computer Science	Faculty of Computers and Information-Egypt
13	Computer Languages II(Java)	Computer Science	Faculty of Computers and Information-Egypt
14	Digital Electronics	Computer Engineering	Faculty of Engineering-Tanta-Egypt
15	Advanced Operating Systems	Computer Science	Modern Academy-Egypt
16	Internet Applications	Computer Science	Modern Academy-Egypt
17	Microprocessor Lab	Computer Science and Engineering	Faculty of Electronic Engineering-Egypt
18	Image processing	Computer Science and Engineering	Faculty of Electronic Engineering-Egypt

No	Course	Department	College
19	Computer organization	Computer Science and Engineering	Faculty of Electronic Engineering-Egypt
20	Microelectronics Technology	Computer Science and Engineering	Faculty of Electronic Engineering-Egypt

## Skills Development

Course Title	Duration	Venue
University Teacher Preparation	21 Days	Menofia University-Egypt
Effective Teaching Skills.	6 Days	Menofia University-Egypt
Effective Communication Skills.	4 Days	Menofia University-Egypt
Effective Presentation Skills.	4 Days	Menofia University-Egypt
Scientific Research Skills.	3 Days	Menofia University-Egypt
Profession Ethics and arts.	3 Days	Menofia University-Egypt
Thinking Skills.	3 Days	Menofia University-Egypt
Credited Hours.	3 Days	Menofia University-Egypt
Time Management.	3 Days	Menofia University-Egypt
Research Projects Management.	3 Days	Menofia University-Egypt
Using Technology in Teaching	3 Days	Menofia University-Egypt
Research team Management.	3 Days	Menofia University-Egypt
How to Compete for a Research Fund.	3 Days	Menofia University-Egypt
International Publishing of Research.	3 Days	Menofia University-Egypt
The first Orientation program.	3 Days	King Saud University-Saudi Arabia
Motivating Students to learn.	2 Days	King Saud University-Saudi Arabia
E-Learning Design and Programming(Theory and practice)	3 Days	ELC & KSU-Saudi Arabia
Developing a teaching Portfolio	2 Days	King Saud University-Saudi Arabia
E-Learning Management (Blackboard)	1 Day	King Saud University-Saudi Arabia
Course Lab	2 Days	ELC-Saudi Arabia
Student Assessment and Classroom Management	2 Days	King Saud University-Saudi Arabia

Course Title	Duration	Venue
Micro Teaching "Application and Discussions"	2 Days	King Saud University-Saudi Arabia
Using Adobe Photoshop for Image Manipulation	2 Days	King Saud University-Saudi Arabia
Learning based on outcomes	2 Days	King Saud University-Saudi Arabia
Internal audit for quality management systems (ISO 9001:2008)	2 Days	King Saud University-Saudi Arabia
Supporting student learning	1 Day	King Saud University-Saudi Arabia
Basics of Learning Management system	1 Day	King Saud University-Saudi Arabia
Using Smart Class Room	2 hours	King Saud University-Saudi Arabia
Learning theories	3 hours	King Saud University-Saudi Arabia
Safe and comfortable and safe learning context	3 hours	King Saud University-Saudi Arabia
Professional teaching competencies	3 hours	King Saud University-Saudi Arabia
Feedback tool to a better learning	3 hours	King Saud University-Saudi Arabia
International specification (ISO 9001:2008)	3 Days	King Saud University-Saudi Arabia
Intensive study for international specification (ISO 9001:2008)	3 Days	King Saud University-Saudi Arabia
The future of e-learning environments	2 Days	King Saud University-Saudi Arabia
Key Performance Indicators and Benchmarking	2 Days	King Saud University-Saudi Arabia
Provision of Quality Management System Data (KSU-QMS)	2 Days	King Saud University-Saudi Arabia
Improving student learning	1 Day	King Saud University-Saudi Arabia
Intellectual Property: Understanding and dealing with it	1 Day	King Saud University-Saudi Arabia
Scientific Writing and Labeling Software	1 Day	King Saud University-Saudi Arabia

## Research Interests

- Distributed computing.
- Grid Computing.
- Cloud Computing.
- Green computing.
- Resource scheduling.
- Fault tolerance computing.
- Artificial intelligence.

- Multiagent systems.
- Mobile agent systems.

## Thesis under supervision

- Task Scheduling for Cloud Computing Systems.
- Fault Tolerance for Cloud Computing Systems.
- Task Migration for Cloud Computing Systems.
- Development of a Virtual Machine Scheduler for High Performance Computing Clouds.

## Publications

- 1) F. A. Torkey, M. A. El Rabeey, and M. A. Amoon, "*The Effect of Static Number of Successors on Optimal Task Scheduling Algorithm for Distributed Memory Machines*," in the proc. of IEEE E/IT conf., USA, Jan. 2000.
- 2) M. Amoon, "*Parallel task scheduling for distributed memory machines*," MS.c thesis, 2001.
- 3) F. A. Torkey, M. A. El Rabeey, and M. A. Amoon, "*A Parallel Task Scheduling Algorithm for Distributed-Memory Machines with Bounded Number of Processors*," in the proc. of electronic engineering journal, Vol. 5, 2003.
- 4) H. M. Kelash, H. M. Faheem, M. Amoon, and G. M. Ali, "*A Social Agent Interface for Resource Management in Distributed Systems*," in proc. of Int. conf. on Computational Intelligence for Modelling, Control, and Automation, Vienna-Austria, November 2005.
- 5) H. M. Kelash, H. M. Faheem, and M. Amoon, "*A Multiagent System for Distributed Systems Management*," World Academy journal of science, engineering and technology, Vol. 11, 2006, Pp. 91-96.
- 6) H. M. Kelash, H. M. Faheem, and M. Amoon, "*Efficient Use of Mobile Agents in the Management of Distributed Systems*," GESJ: Computer Sciences and telecommunications International Journal, No. 2(9), 2006, Pp. 39-47.
- 7) M. Amoon, "*Development of a social interface to intelligent agents directed to control interactions in distributed systems*," Ph. D thesis, 2006.
- 8) H. M. Kelash, H. M. Faheem, and M. Amoon, "*It takes a Multiagent System to manage Distributed Systems*," IEEE potentials, Vol. 26, Issue 2, 2007, Pp. 39-45.
- 9) M. Amoon, M. Mowafey and T. Altameem, "*A Multiagent-Based System for Scheduling Jobs in Computational Grids*," AIML International Journal, Vol. 9, Issue 2, 2009, pp. 19-27.
- 10) T. Altameem and M. Amoon, "*An Agent-Based approach for dynamic adjustment of scheduled Jobs in Computational Grids*," Journal of Computer and Systems Sciences International, Vol. 49, No. 5, 2010, Pp. 765-772.
- 11) F. Omara, N. Elfishawy, S. elkazaz and M. Amoon, "*Personalized Meta Search Engine*," International Journal of Computer Information Systems, Vol. 1, No. 3, 2010, Pp 10-17.
- 12) M. Amoon, "*Design of a Fault-Tolerant Scheduling System for Grid Computing*," In Proc. of IEEE ICNDC conf., Beijing, China, 21-24 Sep. 2011.
- 13) F. Omara, N. Elfishawy, S. elkazaz and M. Amoon, "*Analysing Anchor Links to Enhance the web snippet clustering Technique*," The 8<sup>th</sup> International Conference on Informatics and Systems (INFOS2012), Cairo, Egypt, 14-16 May 2011.
- 14) M. Amoon, "*A Fault-tolerant Scheduling System for Computational Grids*," Journal of Computers and Electrical Engineering, Vol. 38, Issue 2, 2012, pp. 399-412, Elsevier.

- 15) M. Amoon and H. M. Faheem, "***Scheduling Jobs in Face of Status Update Timing of Resources in Computational Grids,***" International Journal of Grid and Distributed Computing, Vol. 5, No. 2, 2012, pp. 33-42.
- 16) M. Amoon, "***Fault Tolerance in Grids using Job Replication,***" Journal of Computing, Vol. 11, Issue 2, 2012, pp. 115-121.
- 17) M. Amoon, "***A job checkpointing system for computational grids,***" Central European Journal of Computer Science, Vol. 3, Issue 1, 2013, pp 17-26, Springer.
- 18) F. Maghraby, H. M. Faheem, M. Roushdy and M. Amoon, "***A Grid based Medical Image Retrieval System using Alchemi,***" Proc. of the 15<sup>th</sup> International Conference on Enterprise Information Systems (ICEIS), 4-7 July, 2013, France.
- 19) Amr M. Ragheb, Mohammed Amoon et al, "***An efficient fusion technique for quality enhancement of remotely sensed images,***" Applied Geomatics, Vol. 6, Issue 4, 2014, pp. 197-205, Springer.
- 20) M. Amoon et al., "***Study of the whole body vibrations in Cairo different transportation***" Information (Japan), vol. 17, issue 9B (2014).
- 21) Rania A. Ghazy, Mohammed Amoon et al, "***Block based embedding of encrypted watermarks using singular value decomposition,***" Optik Journal, Vol. 125, Issue 20, 2014, pp. 6299-6304, Elsevier.
- 22) M. Amoon, "***A framework for providing a hybrid fault tolerance in cloud computing,***" In Proc. of IEEE Science and Information Conference (SAI) conf., London, England, pp. 844-849, 28-30 July 2015.
- 23) Mohammed Amoon, "***Adaptive Framework for Reliable Cloud Computing Environment,***" IEEE Access, Vol. 4, 2016, pp. 9469 - 9478.

## Books Translation into Arabic

I have translated three books from English into Arabic:

- Phonocardiography Signal Processing
- Introduction to Intelligent Systems in Traffic and Transportation
- Modern Systems Analysis and Design

## Electronic Courses Development

I have developed the following electronic courses:

- Computer Networks.
- Data Structures.
- Advanced Java Programming.

## Projects

- A Proposed Scheme for job scheduling on computational grids, Principal Investigator.
- Development of procedures for evaluation of learning outcomes and effective teaching, Project representative.
- Developing creativity and innovation for university students, Team member.
- Classification and coding of government agencies in Saudi Arabia.



## Participations in technical and professional committees

Committee	Date	Contribution
Editorial board of Journal of data mining and Information Retrieval	Since Dec. 2012	editor
Computer Science and Information Systems (ComSIS) Journal.	since 2009	Member of the Technical Committee
World academy of science, engineering and technology.	since 2006	Member of the Technical and Research Committee and the Editorial Board
International Conference on Computational Intelligence for Modelling, Control and Automation(CIMCA 2008)	2008	Member of the Technical Committee
International Journal of Cognitive Informatics and Natural Intelligence (IJCINI).	since 2008	Member of the Technical Committee
The 17th IFAC World Congress Conference (IFAC WC).	2008	Member of the Technical Committee
The journal of IEEE Potentials.	since 2006	Member of the Technical Committee
The 5th IEEE International Conference on Cognitive Informatics ICCI.	2006	Member of the Technical Committee
International Conference on Computational Intelligence for Modelling, Control and Automation-CIMCA06 Jointly with International conference on Intelligent Agents, Web Technologies and Internet Commerce IAWTIC06	2007	Member of the Technical Committee
Egyptian Engineers Syndicate	Since 1996	member
Saudi Association of Community Colleges	Since 2010 to 2015	Board member

## Committees

- 1) College representative of the project “Development of Creativity and innovation for college students of the university”, 2015/now.
- 2) Chair of the ISO Committee, Department of Computer Science, Community College in Riyadh, 2015/now.
- 3) College representative of the project “Procedures of Evaluation of Learning Outcomes and Effective Teaching”, 2014/now.
- 4) Secretary of the Promotion Committee, Department of Computer Science, Community College in Riyadh, 2013/now.
- 5) Chair of the quality and academic accreditation Committee, Department of Computer Science, Community College in Riyadh, 2013/2015.
- 6) Quality Management Representative (QMR) for ISO 9001:2008 at Riyadh Community College, 2009/now.
- 7) Chair of the Periodic evaluation Committee, Department of Computer Science, Community College in Riyadh, 2010/2011.
- 8) Member of the college quality and academic accreditation Committee, Community College in Riyadh, 2012/now.
- 9) Member of the College Annual Report Committee, Community College in Riyadh, 2010/2011.

- 10) Member of the standard of governance and administration Committee, Community College in Riyadh, 2010/2011.
- 11) Chair of the Scientific Research Committee, Department of Computer Science, Community College in Riyadh, 2009/2012.
- 12) Co-Chair of the standard administrative structure Committee, Community College in Riyadh, 2009/2010.
- 13) Co-chair of the college committee for achieving the requirements for obtaining ISO 9001:2008, Community College in Riyadh, 2009/2010.
- 14) Member of the Award for Excellence in Teaching Committee, Community College in Riyadh, 2009/2010.
- 15) Member of the portal team, Community College in Riyadh, 2009/2010.
- 16) Member of the follow up Committee, Department of Computer Science, Community College in Riyadh, 2009/2010.
- 17) Member of the quality and academic accreditation Committee, Department of Computer Science, Community College in Riyadh, 2009/2010.
- 18) Coordinator of the principles of computer and Information Technology course (110CSR), Department of Computer Science, Community College in Riyadh, 2009/2010.
- 19) Member of the Academic Advising Committee, Department of Computer Science, Community College in Riyadh, 2009/2010.
- 20) Member of the Committee to evaluate Projects of graduated students, Department of Computer Science, Community College in Riyadh, since 2008.
- 21) Member of the Computer Science Department council, Community College in Riyadh since 2007 until now.
- 22) Member of the committee for preparing time tables, Community College in Riyadh, 2007-2008.
- 23) Member of the Supervisory Committee on the website of the Department of Computer Science since 2007 until now.
- 24) Member of the Supervisory Committee on the College web site in 2007-2008.
- 25) Committee member responsible for the creation and revision of Back links to the web sites of the Community College in Riyadh, 2009.
- 26) Member of the Computer training committee, the University of Menoufia in 2006-2007.
- 27) Member of the Supervisory Committee to establish the ICDL Lab, Faculty of Electronic Engineering, University of Menoufia in 2006-2007.
- 28) Secretary-general of the Sports committee of the students Federation, Faculty of Electronic Engineering, University of Menoufia in 2006-2007.
- 29) Board Member of the Information Technology club, Faculty of Electronic Engineering, University of Menoufia from 2001 to 2004.

## Workshops

1. *Microsoft Operating Systems advances workshop* held at the Smart village, Cairo 2006 (One day).
2. *Microsoft Software Developers workshop* held at the International Conferences Center, Cairo 2006 (Three days).
3. *Oracle Structured Query Language (SQL) Workshop* held at ORASCOM Egypt during March 2007 (Five days).



4. *Oracle Procedural Language/Structured Query Language (PL/SQL)* Workshop held at ORASCOM Egypt during April 2007 (Five days).
5. *Oracle Forms Developer* Workshop held at ORASCOM Egypt during April 2007 (Five days).
6. *Oracle Reports Developer* Workshop held at ORASCOM Egypt during June 2007 (Five days).
7. *Design e-learning software* Workshop held at King Saud University during January 2009(Two days).
8. Advanced Technologies Forum 2009 organized by KACST 26-28 April 2009 in Riyadh.
9. *Quality and its applications in high education* workshop at king Saud University during 26-27 May 2009.
10. 1st RTV Energy Workshop (Towards a National Initiative for Future Development) at king Saud University in 25/2/2010.
11. Information Technology Future Day at King Saud University in 1/3/2010.
12. Uploading courses to the Blackboard at King Saud University in 15/10/2012.
13. Educational design of E-learning at King Saud University in 10/1/2013.
14. Development tools for electronic courses at King Saud University from 9/3/2013 to 13/3/2013.
15. Design of electronic courses at King Saud University from 16/3/2013 to 20/3/2013.
16. Quality and faculty workshop at community college-King Saud University from 6/10/2013 to 9/10/2013.
17. University Restructuring at King Saud University in 30/10/2013.
18. The future of e-learning environments at King Saud University in 17-18/9/2014.
19. Investigating ISO 9001:2015 at King Saud University in 18/11/2015.
20. Preparation of tests in light of quality requirements in 20/3/1438H
21. Preparation of the course report in 4 /4/ 1438H.
22. The strategic plan 19/1/1438H.
23. Vision, mission and goals in 1/2/1438H.
24. Assessment of learning outcomes 14/2/1438H.
25. Quality Control for programs 20/2/1438H.
26. To recognize the mission of the university and the role of everyone in the college to achieve it in 27/2/1438H.

## Honors and Awards:

1. Included in the series of Who's Who in the World 2013.
2. Excellence of Research published in international periodicals from King Saud University for the following research paper:  
 “An Agent-Based approach for dynamic adjustment of scheduled Jobs in Computational Grids”, Journal of Computer and Systems Sciences International, vol. 49, no. 5, pp. 765–772, Oct. 2010, Springer.

## Languages

**Arabic** is the mother tongue. **English** reading and speaking is good.