DR. SAAD ABDUL_SATTAR MAHDI AL_MAHDAWY

P.O Box: 1
Philadelphia University 19392 Jordan
Tel.: 00962 2 6374444
Fax: 00962 2 6374440
Mobile: 00962 79 6815874
E-Mail: drsaad_almahdawy@yahoo.co.uk
smahdawy@Philadelphia.edu.jo

Academic Position:

Associated professor, Department of Software Engineering, Faculty of Information Technology, Philadelphia University, Amman – Jordan.

Important Dates:

1971: B.Sc. Mathematics, Baghdad University, College of Science / Iraq
1975: M.Sc. Computer Science, Manchester University (UMIST) /U.K
1987: Ph.D. Computer Science, Exeter University / U.K

Employment Experience:

A- **1971-1973:**
Programmer (FORTRAN, PL/1), Atomic Research Center / Baghdad

B- **1974-1975:**
Senior Operator for IBM-370, Eaton Administration Ltd. London

C- **1976-1984:**
Systems Analyst, National Computer Center (NCC) / Baghdad

D- **1987-1991:**
Senior Systems Analyst / Head of Systems Analysts, NCC Baghdad

E- **1991-2001**:
Manager of State Software Company, NCC Baghdad

F- **February** / **2001 - July / 2002**:
Assistant Professor, University of Baghdad - College of Science, Department of Computer Science

G- **July / 2002 - July / 2003:**
Information Technology Manager, The Iraqi Commission for Computers and Informatics, Ministry of Higher Education, Baghdad

H- **July / 2003 - September / 2004:**
Academic Staff Member (Associate Professor) at the Faculty of Information Technology (IT), Department of Computer Science, Philadelphia University, Jordan

I- **September / 2004 - September / 2006:**
Head of the following departments at the Faculty of IT, Philadelphia University, Jordan

- Computer Science
- Computer Information Systems
- Computer and Computer Information Systems (formally at the Faculty of Science)

J- **September / 2006 - September / 2007:**
Head of the Computer Science Department at the Faculty of IT, Philadelphia University, Jordan

K- **September / 2007 - September / 2008:**
Head of the Software Engineering Department at the Faculty of IT, Philadelphia University, Jordan

L- **September / 2008 to Present:**
Associate Professor at the Software Engineering Department, Faculty of IT, Philadelphia University, Jordan

Academic Experience 1988 – Present:

A) Postgraduate Courses

A.1) Teaching M.Sc. & Ph.D. Courses (Advanced Artificial Intelligence, Natural Language Processing, Machine Learning) at the following Academic Institution in Iraq. Total number of Courses (30)
- Baghdad University
- Alnahrain University (formally Saddam University)
- The University of Technology
- The Institute of Informatics for Higher Studies.

A.2) Teaching the Following Postgraduate Subjects at Amman Arab University for Graduate Studies (M.Sc. Courses):
- Systems Analysis and Design (2004 – 2005)
- Artificial Intelligence (2004 – 2005)

A.3) Teaching the following Subject at the Arab Academy for Banking and Financial Sciences – Amman:
- Advanced Knowledge Based Systems (4 M.Sc. Courses)
  (2 Courses during the 2nd Semester / 2006)
  (1 Course during the 1st Semester / 2007)
  (1 Course during the 2nd Semester / 2007)

A.4) Teaching the following Subject at Philadelphia University (M.Sc. Computer Science Course):
- Advanced Artificial Intelligence (2nd Semester 2006)

A.5) Postgraduate Thesis (in IRAQ):
- Supervised and Completed Ph.D. Thesis: 2
- Supervised and Completed M.Sc. Thesis: 30

A.6) As a Head of Computer Science Department at the Faculty of IT - Philadelphia University, I was responsible for implementing the Master Proramme in Computer Science at that Department (September / 2004 – September / 2007).

A.7) Member of the:
- IT Faculty Counsel (From September 20003 to September 20008)
- Philadelphia University Postgraduate Studies Counsel (From September 2007 to Present)

B) Undergraduate Courses

B.1) Teaching the Following Undergraduate Subjects at Philadelphia University (2003 – Present):
- Software Engineering (Different Levels)
- Artificial Intelligence
- Data Security
- Symbolic Programming
- Information Science
- System Analysis and Design
- Project Management
- Ethical and Professional Issues in IT

Refereeing Activities:

- Deputy head of the Iraqi Computer Science Society **1994-2003**
- External Ph.D. Thesis Examiner: 10
- External M. Sc. Thesis Examiner: 30
- Membership of Editorial Boards of Journals: Computer Journal - National Computer Center - Baghdad, Iraq
- Head and / or member of many projects and committees at the national level in Iraq

Research Areas:

- Computational Linguistics / Natural Language Processing
- Artificial Intelligence
- Expert systems
- Machine Learning
- Software Engineering
- Symbolic Programming (Prolog)
- Computer Security
- E-Learning

Presentations in International Workshop/Conference:

- Computer Interpretation of Arabic, Linguistics Institute, Arabic Morphology Workshop, Stanford University, Stanford, California, USA, 1987.
- Arabic Language Semantic Analyzer, Project PALLAS Workshop, Exeter University, 1986.

Books Review:

- Machine Translation by Hutchins, In the Journal of Artificial Intelligence Review, Vol. 1, No. 4, 1987.
- Arabic Language and Computer (In Arabic) by Nabil Ali, In Processing Arabic, Report 8, Holland, 1995.

Publications:

A) In English: (Only major publications are listed)

1) **Saad A. Mahdi**, Matrix Scaling and Ill Conditioning in Solving Simultaneous Linear Equations, M.Sc. Dissertation, Computation Department, University of Manchester Institute of Science and Technology, 1975.

2) **Saad A. Mahdi**, Computer Interpretation of Arabic, Ph.D. Thesis, Computer Science Department, University of Exeter, 1987.

3) **Saad A. Mahdi**, Arabic Language Semantic Analyzer, Research Report No.131, Computer Science Department, University of Exeter, 1986.

4) **Saad A. Mahdi**, Arabic Language Parser, International Journal of Man Machine Studies, Vol. (25), No. (5), (593 – 611), 1986.

5) A. Narayanan, **Saad A. Mahdi,** A Computer Model for Transliterated Arabic, Applied Computer Translation, Vol. (1), No. (3), (5 – 28), 1991.

6) **Saad A. Mahdi**, Arabic Language Interpretation, Processing Arabic (Report 3), Holland, 1987.

7) **Saad A. Mahdi** and Kamel Khoualdi, Developing a **"Fundamental of Artificial Intelligence"** E-Learning Course, 2nd IEEE International Conference on Information & Communication Technologies: From Theory to Applications, *April* 24 -28, 2006, Umayyad Palace, Damascus, Syria.

8**)** Kamel Khoualdi and **Saad A. Mahdi, "**A Quick Development of an E-Learning Course**"**, First International Conference & Exhibition of the e-Learning, University of Bahrain, Bahrain, *April* 17 – 19, 2006.

9) Issa Shehabat, **Saad A. Mahdi** and Kamel Khoualdi, **"**Knowledge Management and Intellectual Capital at the University Environment**"**, The 1st International Conference on Digital Communication and Computer Applications, *March* 19 -22, 2007, Jordan University of Science and Technology, Irbid, Jordan.

10) Issa Shehabat, **Saad A. Mahdi** and Kamel Khoualdi, **"** Learning as Knowledge Management approach for Intellectual Capital Utilization**"**, Turkish Online Journal of Distance Education – TOJDE, *January* 2008, ISSN 1302-6488, Volume 9, Number 1, PP 205 – 216.

11) Issa Shehabat, **Saad A. Mahdi**, "E-learning and its Impact to the Educational System in the Arab World", Preceding of the 2009 International Conference on Information Management and Engineering, *April* 2009, Kuala Lumpur, PP 220 – 226.

B) In Arabic:

Many research papers written in Arabic were published and/or presented at National Conferences, Journals and Proceedings (in IRAQ). They cover topics in the following areas:

- Artificial Intelligence
- Machine Translation
- Knowledge Representation in Man and Machine
- Teaching and Learning
- Natural Language processing (mainly Arabic)
- Software Industry

Also many seminars were presented in different scientific activities in Iraq. Below is a list of the published research work.

1) Computer Understanding for Arabic Sentences, Proceeding of the 1ˢᵗ National Computer Conference in Iraq, NCC-Iraq, (45 – 51), 1992.

2) Computerized Morphological Analysis of Arabic Words, Proceeding of the 1ˢᵗ National Computer Conference in Iraq, NCC-Iraq, (52 – 63), 1992.

3) The Design and Construction of Intelligent Arabic Learning System, Proceeding of the Scientific Conference, NCC-Iraq, (147 – 158), 1993.

4) Machine Translation from English to Arabic: Lexical and Syntactical Transformation Across the Two Languages, The 8ᵗʰ Scientific Conference, Al-Mustansiriya University – College of Arts, 1966.(Also published in: Al-Mustansiriya Arts Journal, No. (27), 1996).

5) Arabic Computational Linguistics – A Survey of Post Graduates Dissertations in Iraqi Universities, Computers Research Journal – The Arab Union of Research Councils, No. (0), (71 – 88), 1995.

6) Arabic Morphology – A Computerized Analyzer, The 1ˢᵗ Scientific Conference – College of Science – Alnahrain University (formally Saddam University), 1997.

7) Machine Translation, The Iraqi Scientific Forum Journal, No. (1), Vol. (44), (256 – 293), 1997.

8) Artificial Intelligence Software and its Future Technical Developments, Proceeding of conference: Modern Approaches in Today's Technologies, The Iraqi Scientific Forum, (292 – 302), 1997.

9) Software Industries: Present and Future, The 5ᵗʰ Computer Conference – NCC – Iraq, 1997.

10) Computational Linguistics and Machine Translation, House of Wisdom, Journal of Translation Studies, Baghdad – Iraq, 1998.

11) Computer Processing of Arabic Language, Journal of Science, Baghdad – Iraq, No. (57), (58 – 59), 1991.

12) Computers and Natural Language Understanding: Present and Future, Journal of Science, Baghdad – Iraq, No. (69) (48 – 52), 1993.

13) Knowledge between Man and Machine, The Doctor Journal, Baghdad – Iraq, No. (3), (53 – 55), 1998.

14) Information Technology and its Impact on Education in Iraq, The 4th National Computer Conference – NCC – Iraq, 1996.

C) Authoring:

Authoring of:

1) E_Learning Course: "Fundamentals of Artificial Intelligence" for UNESCO - Avicenna University, May 2005.

2) Ethical & Professional Issues in Information Technology (in Arabic), Alwaraq Publishing, Amman-Jordan, April 2009 (ISBN: 989- 9957- 33-176-4)

3) Software Engineering (in Arabic), To be Published by Alwaraq Publishing, Amman-Jordan