



Curriculum Vitae

Prof. Kasim Mousa Al-Aubidy

Office Tel. (+ 962 - 6- 479900) ext.2330

Mobile (962 - 777 460870)

P. O. Box (1)Philadelphia, 19392- Amman – Jordann:

kma@philadelphia.edu.jo / alaubidy@gmail.com.

Personal Data :

PLACE OF BIRTH: Baghdad, IRAQ
DATE OF BIRTH: 15-1-1958
STATUS: Married, Four children.
NATIONALITY: Iraqi.
LANGUAGE SPOKEN: Arabic & English.

Education:

- Ph.D. in Computer Eng. (University of Liverpool), ENGLAND, 1990.
- M.Sc. in Computer Eng.(University of Technology), IRAQ, 1983.
- B.Sc. in Computer Eng. (University of Technology), IRAQ, 1979.

Experience:

1998- up-to-date: Philadelphia University, Jordan:

- The Dean, Faculty of Engineering, (2007- up-to-date)
- Vice Dean, Faculty of Engineering, (2005-2007)
- Chairman of Computer Eng. Dept., Vice Dean , (1998-2005).
- Member of Philadelphia University Council (1998-2002, 2007-uptodate)
- Member of Dean Council (2007- up-to-date)

1990-1998: University of Technology-Baghdad:

- Postgraduate Tutor: Control & Computer Eng. Dept., UOT(1992-1996)
- Member of the University Council, UOT, (1995-1997).
- Head of Computer & Software Eng. Dept, UOT, (1996-1997).
- Head of Postgraduate Studies & Scientific Research, UOT (1992-1994).
- Lecturer & Head Deputy, Control & Computer Eng. Dept., UOT (1990-1992).

1986-1989:Ph.D. Research Student, University of Liverpool, England.

1983-1986:Assistant Lecturer, University of Technology, Baghdad.

Publications :

- 1. BOOKS:** FIVE published books in the field of computers.
- 2. ARTICLES:** More than 40 scientific articles about expert systems, computer technology, programming, interfacing & applications.
- 3. THESIS:**
 - A Microprocessor-based Monitoring System for Automobiles, *Higher Diploma Thesis, UOT, Baghdad, 1981.*
 - A Microprocessor-based Digital System for DC Motor Speed and Position Control, *M.Sc. Thesis, UOT, 1982.*
 - Intelligent Sensing & Real-Time Computing of PM Drive Systems, *Ph.D. Thesis, University of Liverpool, UK, 1989.*
- 4. PAPERS:** Sixty-one scientific papers concerning the computer technology and applications in the engineering fields.
- 5. THESIS SUPERVISION:** Fourteen thesis submitted for Ph.D. and M.Sc. degrees.

Conferences, Symposiums, Seminars & Workshops:

More than 30 Conferences, Symposiums, Seminars & Workshops

Consultation, and Training Activities:

- Microprocessor Systems in Industrial Applications, Training Activity, IEEE, Tokyo, Japan 1983.
- Dynamics and Control of Robotic Systems, Training Activity, IEEE, San Francisco, USA 1984.
- Noise in Microprocessor-based Systems, London, UK 1987.
- Transputer Architecture and Programming, Liverpool, UK 1988.
- Real-Time Operating systems, Summer School Activity, Syria 1999.
- Field Programmable Gate Array, Summer School Activity, Syria 1999.
- Digital Systems and Programmable Devices, Summer School Activity, Syria 1999.
- A member of The International Advisory Board for the World Al-Lootah University (Dubai, 2000-present).
- A member of The International Advisory Board for the Lahaye International University (The Netherlands, 2008-present).

Cultural, and Academic activities

- Chief Editor of International Journal of Real-Time Systems (IJRTS).
- Chief Editor of International Journal of Soft Computing (IJSC), from 2005 to 2008.
- A member of editorial board of Information Technology Journal. (<http://ansijournals.com/3/eb.php?id=1&theme=3&jid=itj>)
- A member of editorial board of Journal of Applied Sciences. (<http://ansijournals.com/3/eb.php?id=1&theme=3&jid=jas>)
- A member of editorial board of i-manger's Journal on Engineering & Technology, India.
- A member of editorial board of i-manger's Journal on Software Engineering, India.
- A member of editorial board of Transactions on Signals Systems & Devices, Germany.
- Member of editorial board of Information Technology Journal. (<http://ansijournals.com/3/eb.php?id=1&theme=3&jid=itj>)
- Member of editorial board of Journal of Applied Sciences. (<http://ansijournals.com/3/eb.php?id=1&theme=3&jid=jas>)
- Member of editorial board of i-manger's Journal on Engineering & Technology, India.
- Member of editorial board of i-manger's Journal on Software Engineering, India.
- Member of editorial board of Transactions on Signals Systems & Devices, Germany.
- Member of editorial board of the "Engineering & Technology Magazine", UOT, (1995-97).
- Editor of "Computer Research Magazine", Federation of Arab Scientific Research Council, (1995- 1998).
- Local Chair of Middle East Conf. On Simulation & Modeling (2000- up-to-date)
- Chairman of Scientific committee of the CATAEE and IPEC conferences (Jordan 2001-2007)
- Member of referees committee of international journals and conferences.

Awards & Merits:

1. President Saddam Reward for Best Scientific Book (Iraq, 1986)
2. The Institution of Electrical Engineers "IEE" Reward for Young Researchers (UK, 1998).
3. Excellency Scientific Reward, awarded by Philadelphia University, (Jordan 2000).
4. The European Simulation and Modeling Conference Reward for Distinguished Research (Porto 2005).

Professionals Affiliations:

- A member of Institution of Engineering and Technology "IET" (UK), Membership No: 21815397.
- A member of Institute of Electrical & Electronic Eng. "IEEE", (USA), Membership No: 41277551.
- A member of The Society of Computer Simulation International "SCS", (USA), Membership No: 103334 .
- A member of Association for Computing Machinery "AMC", (USA), Membership No: 5249966.
- A member of Arab Network for Open & Distance Education, (Jordan).

Published Papers:

1. Microcomputer-based controller for position and speed of a DC servomotor, *IEEE conference, [IECON'84], Tokyo 1984.*
2. Microcomputer-based programmable PID controller for process system, *Inter. Syp. on Mini & Microcomputer and Their Application, [MIMI'85], Spain 1985.*
3. Microcomputer-based new instrument technique of angular velocity for real-time application, *IEEE Conf., [IECON'85], USA 1985.*
4. Design and implementation of simple digital controller for process control, *4th Scientific Conf., Baghdad 1986.*
5. PWM control of DC servo motor, *IATED Conf., [RAI'86], France 1986.*
6. A self-commutating PM machine with implicit rotor position sensing using search coils, *4th Intr. Conf. On Electr. Machines & Drives, London 1989.*
7. Implicit rotor position sensing using search coils for a self-commutating PM drive system, *IEE Proceedings, Vol.137, Pt.B, No.4, July 1990.*
8. Implicit rotor position sensing using motor windings for a self-commutating PM drive system, *IEE Proceedings, Vol.138, Pt.B, No.1, January 1991.*
9. Implicit rotor position sensing using for a self-commutating machine drives, *Intr. Conf. On Electr. Machines [ICEM'90], Paper No.17-3, MIT, Cambridge USA, August 1990.*
10. Microcomputer-based speed & load angle measurement of PMSM without using mechanical sensors, *Scientific Report, Liverpool University, England. Sept. 1988.*
11. Microcomputer-based real-time control of a self-comutating PM drive system, *Scientific Report, Liverpool University, England. Novemberr 1988.*
12. Design and implementation of a PC-based events recorder, *Engineering and Technology Magazine, Vol.12, No.11, Nov. 1993.*
13. Design and evaluation of a fuzzy logic rule-based controller. *11th Inter. Conf. On Applied Informatics, Paper No.(204-066), France 1993.*
14. Computer control and flexible manufacturing systems. *Union of Arab Scientific Research Councils Syp. on Robotics, 4-6 May, Baghdad 1993.*
15. Application of fuzzy logic algorithm for control of industrial plants. *11th Iraqi Engineering Conf. , 22-25 Nov. , Baghdad 1994.*
16. Design and implementation of a PC-based tesseral addressing system. *11th Iraqi Engineering Conf. , 22-25 Nov. , Baghdad 1994.*
17. Real-time control of DC drives using fuzzy algorithms. *Engineering and Technology Magazine, Vol. 13, No.9, Sept. 1994.*
18. Real-time Microcomputer Control of Sensorless AC Machines. *1st Iraqi Technological Conf. , Baghdad 1995.*
19. Load angle measurement of sensorless AC machines. *CATAEE'95 Conf. Philadelphia University, Jordan 1995.*
20. Self-organizing fuzzy logic controller; design & implementation. *CATAEE'95 Conf. Philadelphia University, Jordan 1995.*

21. Use of fuzzy logic for implementing rule-based control of a flexible link manipulator. *Robotics and automation symposium, Baghdad 1995.*
22. Trajectory planning and tracking of a robot manipulator. *Robotics and automation symposium, Baghdad 1995.*
23. Fuzzy logic control of a distillation column. *2nd Iraqi Technological Conf., May 1996.*
24. Real-time tuning of PID controllers using fuzzy logic algorithms. *Accepted to be published in Engineering and Technology Magazine.*
25. Expert workstation as an instructional tool using fuzzy logic. *2nd Iraqi Technological Conf., May 1996.*
26. Design and performance of on-line fuzzy tuning algorithm for conventional PID controllers, *JTEA '96 Conference, Tunis, Paper No. 70, Nov. 96.*
27. Decision-making in expert education system using fuzzy logic. *Computer research magazine, No.1, 1996.*
28. Advisory expert system for post graduate students. *Computer research magazine, No.2, 1996.*
29. Distillation column control using fuzzy logic. *The 1st Algerian congress of process control, Algiers, Oct. 1996.*
30. Computer control of a distillation column using fuzzy logic decouplers. *The 9th Intr. Conf. on Computer Theory and Applications, Egypt, Sept. 1996.*
31. Fuzzy advisory system for student registration in the technical institutes. *College of Engineering Conference, Al-Mystansirya University, Baghdad, April 1997.*
32. Decision-making in intelligent distributed computer systems. *The 1st Baghdad Conf. For Electr. Eng., Baghdad 1997.*
33. Student modeling in expert education systems using fuzzy logic. *The 2nd Conf. of Computer Technology & Applications, Union of Arab Scientific Research Councils, Baghdad 1997.*
34. Fuzzy logic & computer aided instruction systems. *Optimum Applications of Computer Technology Symp. Tripoli, 1998.*
35. A fuzzy expert tool for educational system design. *Software Eng. Education Symposium (SEES'98), 18-20 November 1998, Poland.*
36. An expert advisor for course selection in universities and higher institutes. *Engineering Conf.'98, Libya 1998.*
37. Fuzzy logic and industrial computer control systems. *Eng. Conf.'98, Libya 1998.*
38. A Virtual reality based educational module for knowledge learning & skills training, *1st Arab Conference for Software Industry & development, Amman 11-13 July 1999.*
39. Design of a programmable bus for microprocessor-based systems, *3rd International Conference IEE-CATAEE99, Page (165-169), Amman 19-20 October 1999.*
40. Neural network-based fuzzy identifier: design & evaluation, *IEEE-ACIDCA'2000 Conf., Page (108-113), Vol. (IM), Tunisia 22-24 March 2000.*
41. A hierarchical manufacturing route planner based on heuristic algorithm, *IEEE-ACIDCA'2000 Conf., Page (214-220), Vol. (EIA), 22-24 March 2000.*
42. Modeling an Interactive FMS scheduler Using Colored Petri Nets, *IEEE/SCS 2nd Middle East Conf. On Simulation & Modeling, Page (54-61), 28-30/8/2000.*
43. A Real-Time Hierarchical Controller for Robots in Flexible Manufacturing Systems, *Intr. Conf. On Smart Systems & Devices » Page:(494-498), Sfax 27-30/3/2001.*
44. A Hierarchical Manufacturing Route Planner Based on Heuristic Algorithm: Design & Evaluation, *Systems Analysis Modeling Simulation Journal (Merged with the International Journal of Systems Science, <http://www.tandf.co.uk/journals/listings/s.asp>), Published By: Taylor & Francis, USA, Vol. 42, Page: (1119-1141), USA, 2002.*

45. Development of a Web-Based Distance Learning System Using Fuzzy Decision Making, *Intr. Conf. On Smart Systems & Devices, Tunisia, March 2003*.
46. A Software Tool for Web-Based Distance Learning System design, *Virtual Education & Distance Learning Conference, Page (1-7), December 2003*.
47. Neural Network Based Fuzzy Identifier: Design & Evaluation, *Asian Journal of Information Technology, Page (188-196), Vol. 13, No. 3, March 2004*.
48. Modeling and Analysis of an On-Line FMS Scheduler Using Colored Petri Nets, *International Journal of Computing and Information Sciences(IJCIS), Vol.2, No. 2, Page (74-83), August 2004*.
49. A Hierarchical Neuro-Fuzzy MRAC of a Robot in Flexible Manufacturing Environment” *The International Arab Journal of Information Technology, Page (209-214), Vol. 1, No. 2, July 2004*.
50. Novel Technique to Control the Premature Infant Incubator System Using Artificial Neural Network, *3rd Intr. Conf. on Signals, Systems, Devices (SSD05), Paper Ref. SAC-17, Tunisia, 21-24 March, 2005*.
51. Real-Time Fuzzy Control of a Sensorless PM Drive System, *3rd IEEE Intr. Conf. on Systems, Signals, Devices (SSD05), Paper Ref. PES-115, Tunisia, 21-24 March, 2005*.
52. A Fuzzy Decision Maker for Web-Based Distance Learning Systems, *Transactions on Systems, Signals & Devices, Vol. 1, No. 3, PP.263-274, Germany, 2005*.
53. Simulation and FPGA Implementation of a Simple Computer, *7th Middle East Conf. On Simulation & Modeling, MESM2005, Portugal, Page: (151-158), 24-26 October, 2005*.
54. Applying Fuzzy Logic for Learner Modeling and Decision Support in Online Learning, *I-Manager’s Journal of Educational Technology, Vol. 2, N. 3, Page:(76-85), October 2005*.
55. Fast Energy Loss Computation & Fuzzy-Based Shunt Capacitor Insertion, *8^h Middle East Conf. On Simulation & Modeling, MESM2006, Page: (141-150), 28-30 September, Egypt 2006*.
56. Fuzzy Logic Control Implementation in Sensorless PM Drive Systems, *Transactions on Systems, Signals & Devices, Vol. PES-3, No. 2, Paper No: TSSD-05-115, Germany, 2007*.
57. Fast Energy Loss Computation and Shunt Capacitor Insertion Using Fuzzy Logic Technique, *American Journal of Applied Sciences, Since Publications, USA, Vol. 4, No. 1, Page (35-39), 2007*.
58. Neuro-Fuzzy Controller of PM Motor Drives for Washing Machines, *4th IEEE Intr. Multi-Conf. on Systems, Signals, Devices (SSD7), Tunisia, 19-22 March, 2007*.
59. Teaching Computer Organization and Architecture Using Simulation and FPGA Applications. *American Journal of Computer Science, Since Publications, USA, Vol.3, No.8, Page (624-632) August 2007*.
60. Mixed Reality Environment for Web-Based Laboratory Interactive Learning, *Interactive Computer Aided Learning “ICL2007”, Austria, 24-26 September, 2007*.
61. FPGA-Based Fuzzy Inference System for Real-time Embedded Applications, *Journal of Intelligent & Fuzzy Systems, Published by: iospress Holland, www.iospress.nl, Under Reviewing*.