C. V.
Dr. Hesham Keshk

Personal detail:

Name: Hesham Mohamed Abdel Moneim Keshk
Date of Birth: 2nd January 1960
Nationality: Egypt
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Education:

1. Ph.D. from Kyoto University, Japan, in computer science 1996. Thesis title is:
   Automated wire routing using parallel processing

2. Master of science from Helwan University in communication and electronic engineering 1989. Thesis title is:
   Recognition of voiced Arabic letters
   and its application to voice operated typewriter

3. Bachelor of engineering from Cairo University, Faculty of Engineering, Communication and electronic department, 1982. Grade: very good with honor degree. Excellent in project.

Employment history:

1984-1989: Administrator in Faculty of Engineering, Helwan University.
1989-1991: Assistant lecturer in Faculty of Engineering, Helwan University.
1996- until now: Lecturer in Faculty of Engineering, Helwan University.

Activities:

- ❖ Supervise many graduation projects.
- ❖ Supervise 6 master students and 3 Ph.D. student.
- ❖ Supervised 3 master students who have been graduated:

1. Computerized high temperature galvanic cell (Master Helwan Univ. 2001).
2. Neural network training using genetic algorithm (Master Helwan Univ. 2002).
3. Automatic parallelization of C programs (Master Helwan Univ. 2003).
4. Arabic written character recognition (Master Helwan Univ. 2005)
5. Study of image enhancement techniques, Application to vehicle license plate images (Master Helwan Univ. 2005)
6. Reconfigurable Parallel processing system (PhD Helwan Univ. 2006)

Experience:

He taught many courses in several universities. Some examples:

Introduction to computers	Helwan university, Faculty of Engineering
Introduction to computer engineering	
Software engineering	
Parallel computer algorithms	
Data structure and algorithms	
Microprocessors and Microcomputers	
Programming language	
Database	
Computer interface	
Introduction to operating systems	Thebes (Tiba) Academy
Advanced operating systems	
Structure programming	
Data structure and algorithms	
Programming languages	
Office programs	
Information technology	Arab Academy for science, technology, and maritime transport
Introduction to Computer programming	
Applications in Computer programming	
Electronic Commerce	
Operating Systems	Misr International University (MIU)
Compiler design	
Object Oriented Programming	
Distributed computer systems	October 6 university
Computer Applications	

Data structure	

Papers and researches:

1. Mohamed I. El-Adawy, Nabil N. Hanna, and Hesham A. Keshk, “Recognition of the voiced Arabic letters and its application to voice operated typewriters”, Proceedings of the 2nd international conference on micro-electronic engineering and its application in microcomputers in developing countries. December 20-24, 1987, Cairo, Egypt, pp 87-95.

2. Mohamed I. El-Adawy, Nabil N. Hanna, and Hesham A. Keshk, “A new technique for the recognition of the voiced Arabic characters”, Proceedings of the 7th National radio science, Feb 2--22, 1990, Cairo, Egypt, pp. C18.1-C18.9.

3. Hesham Keshk, S. Mori, H. Nakashima, and S. Tomita, “A new technique to improve parallel automated single layer wire routing”, Proceedings of performance evaluation of parallel systems 1993, PEPS’93, England, 1993, pp 134-141.

4. Hesham Keshk, S. Mori, H. Nakashima, and S. Tomita, “A parallel Slice Maze Router”, Proceedings of International symposium on fifth generation computer systems 1994, FGCS94, LSI-CAD, Japan, W6 pp 67-73, 1994.

5. Hesham Keshk, S. Mori, H. Nakashima, and S. Tomita, “Amon : A parallel slice algorithm for wire routing”, Proceedings of International conference on supercomputing 1995, ICS’95, Spain, pp 200-208.

6. Hesham Keshk, S. Mori, H. Nakashima, and S. Tomita, “A two phases, cooperative detailed/global parallel wire routing algorithm”, Trans. of Information processing society of Japan, 1996.

7. Hesham Keshk, S. Mori, H. Nakashima, and S. Tomita, “Amon2: A parallel wire routing algorithm on a torus network parallel computer”, Proceedings of International conference on supercomputing 1996, ICS’96, USA.

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8. M. M. El Tayeb, H. Keshk, M. E. Aboul-Wafa, and M. I. El Adawy, “A soft back propagation algorithm for training neural network”, Journal of Engineering Science,

Assiut University, Vol. 30, No. 1, pp 241-248, January 2002.

9. M. I. El Adawy, M. A. Ismail, and Hesham Keshk, "Arabic Assembly Language", The 27th International Conference For Statistics Computer Science and its Applications, pp 357-366, April 2002.

10. H. M. El Bolok, Reda A. Ammar, Hesham Keshk, and Sameh A. Ahmed, “An automatic parallelization technique”, Journal of Engineering Science, Assiut University, Vol. 31, No. 4, pp 923-935, October 2003.

11. M. A. Ismail, M. I. El Adawy, Hesham Keshk, and S. A. Saleh, “Expert system for testing the harmony of Arabic poetry”, Journal of Engineering Science, Assiut University, Vol. 32, No. 1, pp 401-411, January 2004.

12. M. I. El Adawy, Hesham Keshk, and Mona Haragi, "Automated License Plate Recognition", Third Saudi Technical Conference and Exhibition (STCEX 2004), Vol. 3, pp 1-6, December 2004.

13. M. I. El Adawy, Hesham Keshk, M. A. Ismail, and Essam M. Zaki, "Fast skew and slant correction for Arabic written word or line", Third Saudi Technical Conference and Exhibition (STCEX 2004), Vol. 3, pp 7-12, December 2004.

14. E. M. Saad, m. El Adawy, Hesham Keshk, and Shahira Habashy, "Reconfigurable Parallel Processor System Based on Ant Colony Algorithm", Al-Azhar Engineering Eighth International Conference, 18/VIII, S23, December 2004.

15. M. Elgendi, M. El Adawy, and Hesham Keshk, "Automatic Iris Recognition Using Neural Networks and Wavelet", SPIE conference.

16. E. M. Saad, M. El Adawy, Hesham Keshk, and Shahira Habashy, “Task Graph Generation”, NRSC, March 2006, Menofia, Egypt.

17. E. M. Saad, M. El Adawy, Hesham Keshk, and Shahira Habashy, "Reconfigurable Parallel processor system based on a modified ant colony algorithm", NRSC, March 2006, Menofia, Egypt.