

DATE

2008

PERSONAL DATA

Name: Awad Kh. Al-Sruoor Al-Asmari
Date of Birth: 11-01-1959
Place of Birth: Balasmar, Abha
Nationality: Saudi
Marital Status: Married
Business Address:
King Saud University
xxx Engineering Department,
P.O. Box 800, Riyadh 11421, Saudi Arabia
Telephone (966-1) xxx-xxxx
E-mail: alasmari@ksu.edu.sa www.alasmari.com
Home Address: P. O. Box 230945, Riyadh 11321

EDUCATION

{Institute B.Sc from king saud university, M.Sc from Ohio State university }

<u>Year</u>	<u>Degree</u>	<u>Faculty</u>	<u>Field</u>
1982	B.Sc.	Engineering	Electrical Engineering
1986	M.Sc.	Engineering	Electric Power Engineering

{Institute University of Toledo }

<u>Year</u>	<u>Degree</u>	<u>Faculty</u>	<u>Field</u>
1991	Ph.D.	Engineering	Electric Power Engineering

CURRENT POSITION

Professor, Electrical Engineering Department, King Saud University, Riyadh, Saudi Arabia

POSITIONS HELD

ACADEMIC - KING SAUD UNIVERSITY, RIYADH, SUDI ARABIA

Electrical Engineering Department

- 1. June 2003 – Present Professor at King Saud University.*
- 2. March 1996 – June 2003 Associate Professor at King Saud University.*
- 3. August 1991 - March 1996 Assistant Professor at King Saud University.*

ACADEMIC - {INSTITUTE XXX }

Department of xxx

- 1. xxx Professor (xxx-xxx)*
 - 2. xxx Professor (xxx-xxx)*
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PROFESSIONAL MEMBERSHIPS

- 1. Vice President of the IEEE society (Riyadh Chapter).*
- 2. President of the Saudi Telecommunication Society (STS) (Media group).*
- 3. Consultant of the IEEE (Student) Branch at King Saud University.*
- 4. Institute of Electronic and Electrical Engineering (IEEE) Senior Member since 1996.*

5. Communication society of the IEEE.
6. Society of Photo-Optical Instrumentation Engineers (SPIE).
7. Digital and Acoustic Signal Processing Group (DASP-L).
8. Image Processing Group (IMAGE-L).

AWARDS

GOVERNMENT AWARDS

1. Scholarship for graduate studies (MS and Ph.D.) in the United State of America awarded by King Saud University.
2. Recognition letter from Professor S. C. Kwatra, the graduate advisor of the college of engineering and the director of the communication Lab, for the high performance of the algorithm that I have developed as part of my Ph.D. Dissertation. Upon examining of the performance of my algorithm, the COMSAT Labs (leading satellite research company in the United States) has decided to adopt it for their future HDTV which is under grant from NASA. This gives the University of Toledo an edge over other Universities by wining a grant worth lot of many in the area of bandwidth compression.
- 3.

TECHNOLOGY AWARDS

One of the best projects awarded by the Advance Electronic Company (AEC) for one of my undergraduate students for the year 1999/2000.

AWARD PUBLICATIONS

1. The paper entitled "video compression using SH-AMBTC" has been selected as one of the best paper in the area of image and multidimensional signal processing at the joint meeting of the 5th World Multiconference on Systemics, Cybernetics and Informatics (SCI 2001) and the 7th International Conference on Information Systems Analysis and Synthesis (ISAS 2001), held in Orlando, USA, in July 22-25, 2001.
2. Member in the program committee of the joint event of the 9th International Conference on Information System Analysis and Synthesis (ISAS'3) and the International Conference on Computers, Communications and Control Technologies (CCCT'03), held in July 31/ August 2, 2003, Orlando, Florida, USA.
3. Member in the program committee of the joint event of the 9th International Conference on Information System Analysis and Synthesis (ISAS'3) and the International Conference on Computers,

Communications and Control Technologies (CCCT'03), held in July 31/ August 2, 2003, Orlando, Florida, USA.

4. Recognition certificate for my participation from SIGMAXI chapter at the University of Toledo on 1991.
 5. Certificate of Appreciation from the Communications Society of the Institute of Electrical and Electronics Engineering (IEEE) for the Contributing to the Growth of the Communication Industry on 1996.
 6. Invitation from the delegate leader of the Circuits and Systems Society of the IEEE to **be one of the People to People Ambassador Programs team representative** (with background and expertise in the field of signal and image processing technology) to travel to the People's Republic of China in October of 2000.
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PUBLICATIONS (*Summary*)

- Refereed Journal Papers (22)
 - Invited / Magazine Papers (##)
 - Award Winning Conference Papers (1)
 - Conference Papers (23)
 - Book Contributions (4)
 - Utility Industry Technical Reports (##)
 - University Technical Reports (##)
 - National and International (Externally-Funded) Project Official Final Reports (##)
 - Final Industry Consulting Reports (Industry Funded Projects) (1)
 - University (Research Funded) Project Final Reports (3)
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ACADEMIC SUPERVISION

GRADUATE/UNDERGRADUATE SUPERVISION

Ph.D. Programs: 3 students

M.Eng. & M.Sc. Programs: 8 students

Graduation Thesis & Summer Projects: 27 students

GRADUATE/UNDERGRADUATE EXAMINATION & SUPERVISORY COMMITTEES

Ph.D. Supervisory Committees: 2 students

Ph.D. & M.Eng. Defense Committees: 10 students

B.Sc. Thesis Examination Committees: 45 students

RECENT R&D FUNDED CONTRACTS

(*Last Five Years*)

1. Writing a book in Arabic for Image Processing (Introduction, Enhancement, Restoration).
 2. "Fingerprint Compression for Transmission and Storage." To be submitted as national research to Prince Abdullah institute at King Saud University.
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RECENT PUBLICATIONS (*Last Five Years*)

Journal Papers

1. Awad Kh. Al-Asmari, Sameep Dave, and Subhash Kwatra, "Low Complexity Video Compression Algorithm using AMBTC", Submitted for possible publication in the IEEE Trans. of Image Processing.
 2. Awad Kh. Al-Asmari and Abdulaziz Al-Rayes, "Low Bit Rate Video compression Algorithm using 3-D Decomposition", The Arabian Journal for Science and Engineering, Vol. 29, No. 1B, April 2004.
 3. Awad Kh. Al-Asmari, "Progressive Fingerprint Compression Using Edge Detection Technique", the International Journal of Images Systems & Technology, John Wiley & Sons, vol. 12, pp. 211 - 216. 2002.
 4. Awad Kh. Al-Asmari, Vinay Singh, and Subhash Kwatra, "Hybrid Coding of Images for progressive Transmission over a Digital Cellular Channel", Journal of King Saud Univ., Vol. 16, Eng. Sci. (1), 1424 H/2003.
 5. Awad Kh. Al-Asmari, "Fast DCT-Based Coding using wavelet decomposition", accepted for publication in Abhath Al-Yarmouk Journal [Pure Science and Engineering], Yarmouk University, Jordan. 2003.
- technology,

Conference Papers

1. Awad Kh. Al-Asmari And Mohammed A. Al-Hakbani, "Optimal Filter Design For Low Entropy Pyramid Coding", The 10th IEEE International Conference On Electronics, Circuits And Systems (**ICECS2003**), December 14 - 17, 2003, University Of Sharjah, Sharjah, United Arab Emirates (UAE).
2. Awad Kh. Al-Asmari and Abdulaziz Al-Rayes, "Low Bit Rate Video compression Algorithm using 3-D Decomposition ", **"Written in Arabic"**, 2nd Saudi Technical Conference and Expiation **STCEX2002**, 26-30 October 2002.
3. Awad Kh. Al-Asmari, "Progressive Fingerprint Images Compression Using Edge Detection Technique", Accepted publication in the 6th Saudi Engineering Conference held in Damam, Saudi Arabia, 2002.
4. Awad Kh. Al-Asmari, "Progressive Image Transmission Using Edge Detection", Accepted for publication in the Proceedings of 6th world Multiconference on systems, cybernetics, and informatics (SCI 2002) held in Orlando, Florida, U. S. A. July 2002.
5. Awad Kh. Al-Asmari, "Video Compression Using A Semi-Hexagonal Shaped Absolute Moment Block Truncation Coding", Proceedings of 5th world Multiconference on systems,

cybernetics, and informatics (SCI 2001) held in Orlando,
Florida, U. S. A. July 22-25, 2001.