

## **M. Farrukh Khan**

Associate Professor  
Department of Computer Science  
Texas Southern University  
Houston, TX 77004

Phone: (713) 313-4398 (Office)  
(713) 313-7583 (Fax)  
(832) 777-5551 (Cell)

Email: [khanf@TSU.EDU](mailto:khanf@TSU.EDU)

## **EDUCATION**

### **Ph.D. (Computer Science)**

Purdue University, West Lafayette, IN. December 1996  
Dissertation: *Techniques for Synchronous Retrieval of Multimedia Data.*

### **M.S. (Computer Science and Statistics)**

University of Southern Mississippi, Hattiesburg, MS. December 1987  
Thesis: *Automatic Program Generation and Theorem Proving in Predicate Calculus.*

### **B.S. (Social Science)**

California Institute of Technology, Pasadena, CA. June 1983  
Course work in: *Engineering and Computer Science*

## **EXPERIENCE**

Texas Southern University, Houston, TX  
Sep. 12–Present, Associate Professor, Dept. of Computer Science  
Sep. 06–Present, Assistant Professor, Dept. of Computer Science  
On leave: Jan. 13–Dec. 13

Boston Scientific Corporation/Apollo Security, Natick, MA  
May 06—Jan. 07  
Consultant, Division of Corporate Security

Azima Advanced Technologies, W. Lafayette, IN  
Sep. 05–May 06  
Consultant Software Engineer

KFUPM, Dhahran, Saudi Arabia  
Aug. 99–Aug. 05  
Assistant Professor, Dept. of Computer Engineering

Azima Advanced Technologies, W. Lafayette, IN  
Jan. 97–Aug. 99  
Technical Director

Azima Advanced Technologies, Inc., W. Lafayette, IN,  
Jan. 94–Dec. 96  
Senior Software Engineer

Azima Advanced Technologies, Inc. W. Lafayette, IN  
Sep. 91–Dec. 93  
Software Engineer

## SELECTED PUBLICATIONS

### *Articles in Refereed International Journals & Book Chapters*

1. F. Almasalha, F. Bashir, A. Khokhar, M. F. Khan, H. Haseeb, and A. Ghafoor. Semantic Analysis for Multimedia Security Application. In *Semantic Computing*, Editors: Sheu, Yu, and Ramamoorthy. Pgs 439-464. John Wiley and Sons, 2010.
2. W. Ahmed, M. Ayyaz, B. Rajwa, M. F. Khan, A. Ghafoor, and J. Robinson. Semantic Analysis of Biological Imaging Data: Challenges and Opportunities. *Int. J. of Semantic Computing*. Vol. 1, No. 1 (2007) 67-85.
3. W. Sheikh, B. Shafiq, M. F. Khan, H. Ghafoor, and R. A. Paul. Wireless Provision of Multimedia Services in a Mobile Ad Hoc Network. *International Journal of Computer Systems Science and Engineering*. Special Issue on Real-Time Software Systems, Fall 2005. <http://www.crlpublishing.co.uk/csse.htm>.
4. M. F. Khan, H. Ghafoor, S. Baqai, M. N. Ayyaz, and S. Sheikh. Quality-Based I/O Resource Management for Multimedia Document Database Servers. *ACM Multimedia Systems Journal*, Volume 10, Issue 3, Pages 199-219. Springer-Verlag GmbH, March 2005.
5. M. F. Khan. Wireless LAN Security. In *Handbook of Wireless Local Area Networks: Applications, Technology, Security, and Standards*, Editors: Ilyas and Ahson. CRC Press, Boca Raton, FL, 2005.
6. M. F. Khan, R. Paul, Y. Shinagawa, I. Ahmad, O. Bukhres, and A. Ghafoor. Parallel Databases: A Survey. *Distributed and Parallel Databases: An International Journal*, Volume 7, Number 4, Pages 383-414, Springer Science+Business Media, B.V. October 1999.

7. R. A. Paul, T. L. Kunii, Y. Shinagawa, M. F. Khan. Software metrics knowledge and databases for project management. *IEEE Transactions on Knowledge and Data Engineering*, Volume 11, Issue 1, Pages 255-264, Jan/Feb 1999.
8. W. Al-Khatib, M. F. Khan, S. Dagtas, and A. Ghafoor. Multimedia Information Systems. In *Wiley Encyclopedia of Electrical and Electronics Engineering*, Volume 13, pages 590-602. John G. Webster, Editor. John Wiley & Sons, Inc., 1999.
9. S. Baqai, M. F. Khan, and A. Ghafoor. Multimedia communications. In W. Grosky, R. Jain, and R. Mehrotra, editors, *The Handbook of Multimedia Information Management*, pages 335-363. Prentice Hall, Upper Saddle River, NJ, 1997.
10. A. Ghafoor, S. Baqai, and M. F. Khan. Multimedia Over the Broadband Network: Business Opportunities & Technology. In *Multimedia Synchronization over Broadband Networks*, pages 279-291. International Engineering Consortium, August 1996.

### ***Articles in Refereed International Conferences & Workshops***

11. M. F. Khan, H. Ghafoor, and A. Addeeb. QoS Management for Mobile Multimedia Services. *Second International Workshop on Frontiers of Information Technology*, (Sponsor: National Science Foundation, USA). Islamabad, Dec. 2004.
12. M. F. Khan. Secure Distributed Multimedia: Strong Crypto is Not the Answer. *First International Workshop on Frontiers of Information Technology*. (Sponsor: National Science Foundation, USA). Islamabad, Dec. 2003.
13. A. Bhargava, M. F. Khan, and A. Ghafoor. QoS Management in Multimedia Networking for Telemedicine Applications. *IEEE Workshop on Software Technologies for Future Embedded Systems, 2003*. Pages 39-42, Hakodate, Hokkaido, Japan, May 2003.

## **PROFESSIONAL AFFILIATIONS**

Member, *Association of Computing Machinery (ACM)*  
Member, *Institute of Electrical and Electronics Engineers (IEEE)*  
Member, *IEEE Computer Society*