

## Curriculum Vitae

Latifur R. Khan  
Computer Science Department  
University of Texas at Dallas  
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### Education

- Ph.D. in Computer Science, University of Southern California (USC), August, 2000  
Dissertation: Ontology-based Information Selection.
- M.S. in Computer Science, University of Southern California, December, 1996.
- B.S. in Computer Science and Engineering, Bangladesh University of Engineering and Technology, November, 1993.

### Work Experience

- Associate Professor: Computer Science Dept., University of Texas at Dallas, since September, 2006.
- Assistant Professor: Computer Science Dept., University of Texas at Dallas, September, 2000 – August 2006.
- Graduate Research Assistant: Integrated Media Systems Center, USC, September, 1997--August, 2000, and Information Sciences Institute (ISI), USC, September, 1995 - August, 1997.
- Lecturer: Computer Science & Engineering, Bangladesh University of Engineering and Technology, December, 1993 - August, 1995.

### Service to the Profession:

- **Associate Editor** of Computer Standards and Interface Journal by Elsevier Publishing.
- Guest Editor of *International Journal of Knowledge and Information Systems (KAIS)*, Vol. 10, No. 2, Springer (2006).
- Guest Editor of *International Journal of Multimedia Tools and Applications*, Springer.
- Member of *IEEE Kanai Award Committee*, 2005 and 2006.

### Keynote Speech

- Matching Words and Pictures: Problems, Application and Progress, *9th International Conference on Computer and Information Technology (ICCIT)*, 2006.

### Chair/Co-Chair:

- Program Co-Chair of *ACM 6th International Workshop on Multimedia Data Mining (MDM/KDD2005)*, August 2005, Chicago, IL, USA.

- Program Chair of *ACM 5th International Workshop on Multimedia Data Mining (MDM/KDD2004)*, August 2004, Seattle, Washington.
- Program Co-Chair in *First International Workshop on Geographic and Biological Data Management (GBDM04)* in conjunction with COMPSAC 2004, September 2004, Hong Kong.

**Program Committee Member of**

- *12<sup>th</sup> ACM SIGKDD Conference on Knowledge Discovery and Data Mining*, August 2006, Philadelphia, USA.
- *IEEE International Conference on Data Mining (ICDM), ICDM 2006* December 18 - 22, 2006, Hong Kong.
- *17th European Conference on Machine Learning and 10th European Conference on Principles and Practice of Knowledge Discovery in Databases*, September 2006, Berlin, Germany
- Program Committee Member of *International Conference on Computers and Information Technology*, December 2006, Dhaka, Bangladesh.
- *11<sup>th</sup> ACM SIGKDD Conference on Knowledge Discovery and Data Mining*, August 2005, Chicago, Illinois.
- *Workshop on Clustering High Dimensional Data and its Applications*, in Conjunction with the Fifth SIAM International Conference on Data Mining (SDM 2005), April 2005, Newport Beach, California.
- *International Conference on Computers and Information Technology*, December 2004, Dhaka, Bangladesh.
- *16th IEEE International Conference on Tools with Artificial Intelligence (ICTAI)*, November, 2004, Boca Raton, Florida.
- *12th International Conference on Cooperative Information Systems (CoopIS 2004)*, October 2004, Larnaca, Cyprus.
- *International Conference on Database and Expert Systems Applications DEXA 2004*, September, 2004, Zaragoza, Spain.
- *15th IEEE International Conference on Tools with Artificial Intelligence (ICTAI)*, November, 2003, Sacramento, California.
- *12th International Conference on Computer Communications and Networks*, October, 2003, Dallas, Texas.
- *International Conference on Database and Expert Systems Applications DEXA 2003*, September, 2003, Prague, Czech Republic.
- *International Workshop on Web Semantics - WebS 2003, in conjunction with International Conference on Database and Expert Systems Applications DEXA 2003*, September, 2003, Prague, Czech Republic.
- *ACM 4th International Workshop on Multimedia Data Mining (MDM/KDD2003)*, August 2003, Washington DC.
- *Fifteenth International Conference on Software Engineering and Knowledge Engineering*, July, 2003, San Francisco Bay.
- *2003 IEEE International Conference on Communications, Global Services and Infrastructure for Next Generation Networking Symposium*, May 2003, Alaska.
- *2003 IEEE International Conference on Multimedia & Expo (ICME)*, July 2003, Baltimore, Maryland.
- *International Conference on Computers and Information Technology*, December 2002, Dhaka, Bangladesh.

- *ACM Third International Workshop on Multimedia Data Mining (MDM/KDD2002)*, July 2002, Alberta, Canada.
- *International Conference on Computers and Information Technology*, December 2001, Dhaka, Bangladesh.
- *ACM Second International Workshop on Multimedia Data Mining (MDM/KDD2001)*, August 2001, San Francisco, USA.
- *International Workshop on Parallel and Distributed Multimedia Processing & Retrieval*, June 2001, Las Vegas, USA.
- *ACM 2001 Symposium on Applied Computing*, March 2001, Las Vegas, USA.
- Program Committee Member of *ACM 2001 Symposium on Applied Computing*, March, 2001, Las Vegas, USA.

### **Tutorial:**

- Half Day Tutorial, “Matching Words and Pictures - Problems, Applications, and Progress,” *14<sup>th</sup> ACM International World Wide Web Conference, WWW2005*, May 2005, Chiba, Japan.
- Half Day Tutorial, “Translating Images to Keywords: Problems, Applications, and Progress,” *MIS 2005 International Workshop on Multimedia Information Systems*, September 2005, Sorrento, Italy.
- Half Day Tutorial, “Matching Words and Pictures: Problems, Applications and Progress,” *ACM Fourteenth Conference on information and Knowledge Management (CIKM)*, November 2005, Bremen, Germany.
- Half Day Tutorial, “Matching Words and Pictures - Problems, Applications, and Progress,” *12th International Conference on Database Systems for Advanced Applications*, April 2007, Bangkok, Thailand.

### **Session Chair:**

- *ACM 6th International Workshop on Multimedia Data Mining (MDM/KDD2005)*, August 2005, Chicago, Illinois.
- *Workshop on Multimedia and Web Design in IEEE Sixth International Symposium on Multimedia Software Engineering*, December 2004, Miami, Florida.
- *2nd ACM International Workshop on Multimedia Databases in Conjunction ACM CIKM 2004*, November 2004, Arlington, Virginia.
- *16th IEEE International Conference on Tools with Artificial Intelligence (ICTAI)*, November 2004, Boca Raton, Florida.
- Bioinfo-9 Session (Clustering Algorithms), *3<sup>rd</sup> IEEE Symposium on BioInformatics and BioEngineering*, March 2003, Bethesda, Maryland.
- *3<sup>rd</sup> Session (Image Retrieval), 8<sup>th</sup> International Workshop on Multimedia Information Systems*, October 2002, Tempe, Arizona.
- *International Conference on Internet Computing 2002*, June 2002, Las Vegas, Nevada.
- *International Conference on Computers and Information Technology*, December 2001, Dhaka, Bangladesh.

### **Panelist:**

- NSF Panelist at Information & Intelligent Systems (IIS) Division in 2003, 2004, and 2005.

### Reviewer:

- Invited Reviewer of Book, *Database Systems* by Elmasri and Navathe, Addison, Wesley.
- Invited Reviewer of *Encyclopedia of Computer Science and Engineering*, John Wiley & Sons.
- Invited Reviewer of *IEEE Transactions on Knowledge and Data Engineering, TKDE*.
- Invited Reviewer of *IBM Systems Journal*.
- Invited Reviewer of *ACM Transactions on Internet Technology*.
- Invited Reviewer of *IEEE Transactions on Dependable and Secure Computing*.
- Invited Reviewer of *IEEE Transactions on Systems, Man and Cybernetics - Part A*.
- External Reviewer of *ACM Transactions in Asian Language and Info Processing*.
- Invited Reviewer of *International Journal of Cooperative Information Systems (IJCIS)*.
- External Reviewer of *International Journal of Knowledge and Information Systems (KAIS)*, Springer-Verlag.
- Invited Reviewer of *Information and Software Technology*, Elsevier Publisher.
- Invited Reviewer of *World Wide Web Journal (WWWJ)*, Kluwer Academic Publishers.
- Invited Reviewer of *International Journal of Computers and Applications*, ACTA Press, Calgary, Canada.
- External Reviewer of *Research Grant* at City University of Hong Kong, Hong Kong.

### Research Grant

- “Information Operations Across Infospheres”, Bhavani Thuraisingham(PI), Ravi Sandhu and **Latifur Khan**, *Air Force Office of Scientific Research*, January, 2006 to December, 2008, \$300,006.
- “Design and Development of Semantic Web and Data Mining Technologies for Geospatial Data” Bhavani Thuraisingham(PI) and **Latifur Khan**, Raytheon, 100,000\$, June, 2006 to June, 2007.
- 
- “A Distributed Component Repository for Rapid Synthesis of Adaptive Real-Time Systems,” Farokh Bastani, **Latifur Khan**, Edwin Sha and I-Ling Yen (PI), *National Science Foundation*, Sept, 2001 - Aug, 2004, \$499,866.
- “Feature Extraction for Finding Images/Video”, **Latifur Khan**(PI), Nokia Research Center, Irving, Texas, June, 2005 to November, 2005, \$30,000.
- “Ontology-based Information Selection and Storing XML data into Databases,” **Latifur Khan** (PI), *SUN Academic Equipment Grant Program*, August, 2002, \$87,265.

- “Developing Advanced Middleware for Convergence of IT and Telecommunications,” Farokh Bastani (PI), G. R. Dattatreya, **Latifur Khan**, and I-Ling Yen, *Alcatel USA*, January, 2004, - January, 2005, \$227,500.

### **Research Interests**

*Data Mining, Multimedia Information Management, Intrusion Detection and Worm Detection, Semantic Web and Database Systems.*

### **Publications**

#### **Refereed Journal Publications:**

#### **Published:**

1. “Web Navigation Prediction Using Multiple Evidence Combination and Domain Knowledge”  
Mamoun Awad and **Latifur Khan**  
*IEEE Transactions on Systems, Man, and Cybernetics, Part A*, Vol. 37, No. 6, Page 1054 - 1062  
November 2007 .  
(Full Paper)
2. “A Framework for a Video Analysis Tool for Suspicious Event Detection”  
Gal Lavee, Bhavani Thuraisingham and **Latifur Khan**  
*Multimedia Tools and Applications Journal*, Springer, A Special issue of Multimedia Data Mining,  
Vol. 35, No. 1, Page 109-123, October 2007.  
(Full Paper)
3. “Rapid Goal-Oriented Automated Software Testing using MEA-Graph Planning”  
Manish Gupta, Farokh Bastani, **Latifur Khan**, and I-Ling Yen  
*Software Quality Journal*, Springer, Vol. 15, No. 3, Page 241-263, September, 2007.  
(Full Paper)
4. “A Framework for Automated Image Annotation”  
Lei Wang, **Latifur Khan**, and Bhavani Thuraisingham  
*International Journal of Computer Systems Science and Engineering*, CRL Publishing LTD, United  
Kingdom, Vol. 22 No. (1-2), Page 15-24 January-March 2007.  
(Full Paper)
5. “A New Intrusion Detection System using Support Vector Machines and Hierarchical Clustering”  
**Latifur Khan**, Mamoun Awad, and Bhavani Thuraisingham  
*The VLDB Journal: The International Journal on Very Large Databases*, ACM/Springer-Verlag  
Publishing, Vol. 16, No. 1, Page 507-521, (January 2007).  
.  
(Full Paper)
6. “Standards for Image Annotation Using Semantic Web”  
**Latifur Khan**  
*Computer Standards and Interface Journal*, Vol. 29, No. 2, Page 196-204, Elsevier Publishing,  
North Holland, (February 2007).  
(Full Paper)

7. "Standards for Secure Data Sharing Across Organizations"  
Douglas Harris, **Latifur Khan**, Raymond Paul, and Bhavani Thuraisingham  
*Computer Standards and Interface Journal*, Vol. 29, No. 1, Page 86-96, Elsevier Publishing, North Holland (January 2007).  
(Full Paper)
8. "Automatic Image Annotation and Retrieval using Weighted Feature Selection"  
Lei Wang and **Latifur Khan**  
*Multimedia Tools and Applications Journal*, Vol. 29, No. 1, Page 55-71, Springer (April 2006).  
(Full Paper)
9. "Real-time Classification of Variable length Multi-attribute Motion Data"  
Chuanjun Li, **Latifur Khan**, and Balakrishnan Prabhakaran  
*International Journal of Knowledge and Information Systems (KAIS)*, Vol. 10, No. 2, Page 163-183, Springer-Verlag (August 2006).  
(Full Paper)
10. "Secure Knowledge Management: Confidentiality, Trust, and Privacy"  
Elisa Bertino, **Latifur Khan**, Ravi Sandhu, and Bhavani Thuraisingham  
*IEEE Transactions on Systems, Man and Cybernetics, Part A*, A Special Issue on Secure Knowledge Management, Vol. 36, No. 3, Page 429-438, (May 2006).  
(Full Paper)
11. "A Repository for Component-Based Embedded Software Development"  
Tong Gao, Hui Ma, I-Ling Yen, **Latifur Khan**, and Farokh Bastani  
*International Journal of Software Engineering & Knowledge Engineering*, Vol. 16, No. 4, Page 523- 552, World Scientific Publishing Co., Singapore (August 2006).  
(Full Paper)
12. "A Study of the Model and Algorithms for Handling Location Dependent Continuous Queries"  
Manish Gupta, Manghu Tu, **Latifur Khan**, Farokh Bastani, and I-Ling Yen  
*The International Journal of Knowledge and Information Systems (KAIS)*, Springer- Verlag, Vol. 8, No. 4, Page 414-437 (November 2005).  
(Full Paper)
13. "Hierarchical Clustering for Complex Data"  
**Latifur Khan** and Feng Luo  
*The International Journal on Artificial Intelligence Tools*, World Scientific publishers, Vol. 14, No. 5 Page 791-810, (October 2005).  
(Full Paper)
14. "A Framework for Effective Annotation of Information from Closed Captions Using Ontologies"  
**Latifur Khan**, Dennis McLeod, and Eduard Hovy  
*The Journal of Intelligent Information Systems (JIIS)*, Kluwer Academic Publishers, Vol. 25, No. 2 Page 181-205, (September 2005).  
(Full Paper)
15. "A Dynamical Growing Self-Organizing Tree (DGSOT) for Hierarchical Clustering Gene Expression Profiles"

Feng Luo, **Latifur Khan**, Farokh Bastani, I-Ling Yen, and J. Zhou  
*The Bioinformatics Journal*, Oxford University Press, UK, Vol. 20, No.16, Page 2605-2617,  
(November 2004).  
(Full Paper)

16. “Change Detection in XML Documents for Fixed Structures using Exclusive-Or (XOR)”  
**Latifur Khan**, Qing Chen, and Lei Wang  
*Journal of Digital Information Management (JDIM)*, Digital Information Research Foundation  
Publishing, Vol. 2, No. 3, Page 142-147, (September 2004).  
(Short Paper)

17. “Retrieval Effectiveness of Ontology-based Model for Information Selection”  
**Latifur Khan**, Dennis McLeod, and Eduard Hovy  
*VLDB Journal: The International Journal on Very Large Databases*, ACM/Springer-Verlag  
Publishing, Vol. 13, No. 1, Page 71-85, (January 2004).  
(Full Paper)

18. “An Adaptive Probe-Based Technique to Optimize Join Queries in Distributed Internet Databases”  
**Latifur Khan**, Dennis. McLeod, and Cyrus Shahabi  
*International Journal of Database Management*, Idea Group Publishing, Hershey, PA, Vol. 12, No.  
4, Page 3-14, (October-December 2001).  
(Full Paper)

19. “A Probe-Based Technique to Optimize Join Queries in Distributed Internet Databases”  
Cyrus Shahabi, **Latifur Khan**, and Dennis. McLeod  
*International Journal of Knowledge and Information Systems (KAIS)*, Springer-Verlag Publishing,  
Heidelberg, Germany, Vol. 2, No. 3, Page 372-385, (August 2000).  
(Short Paper)

#### Accepted

20. “Constructing gene co-expression networks and predicting functions of unknown genes by random matrix theory”  
Feng Luo, Yunfeng Yang, Jianxin Zhong, Haichun Gao, Latifur Khan, Dorothea K. Thompson,  
Jizhong Zhou,  
To appear in *BMC Bioinformatics* 2007, 8:299, doi:10.1186/1471-2105-8-299.  
(Full Paper)
21. “Efficient Auto-Detection of Novel Email Worms using Feature based Techniques”  
Mohammad Masud, Latifur Khan, & Bhavani Thuraisingham  
To Appear in the *International Journal of Information Security and Privacy*, 2007.  
(Full Paper)
22. “A Scalable Multi-level Feature Extraction Technique to Detect Malicious Executables”  
Mohammad Masud, Latifur Khan, & Bhavani Thuraisingham  
To Appear in *Information Systems Frontiers*, Springer Netherlands, ISSN 1387-3326 (Print) 1572-  
9419 (Online), DOI 10.1007/s10796-007-9054-3, A Special Issue of Secure Knowledge  
Management.  
(Full Paper)

23. "Secure data objects replication in data grids"  
Manghui Tu, I-Ling Yen, Bhavani Thuraisingham, and Latifur Khan  
To appear in *IEEE Transactions on Dependable and Secure Computing (DSC)*.
24. "Predicting WWW Surfing Using Multiple Evidence Combination"  
Mamoun Awad, **Latifur Khan**, and Bhavani Thuraisingham  
To appear in *The VLDB Journal: The International Journal on Very Large Databases*,  
ACM/Springer-Verlag Publishing.  
  
(Full Paper)

#### **Others (Articles in Magazine):**

25. "The 6th International Workshop on Multimedia Data Mining (MDM/KDD2005)"  
Fatma Bouali, **Latifur Khan** and Florent Masseglia  
*SIGKDD Explorations* Vol. 7, No. 2, Page 148-150, (December 2005).
26. "The 5th International Workshop on Multimedia Data Mining (MDM/KDD2004)"  
**Latifur Khan** and Valery A. Petrushin  
*ACM SIGKDD Explorations*, Vol. 6 No. 2, Page 144-146, (December 2004).
27. "MDM/KDD2003: Multimedia Data Mining"  
Valery Petrushin, Anne Kao, and **Latifur Khan**  
*ACM SIGKDD Explorations*, Vol. 6 No. 1, Page 106-108, (June 2004).
28. "Multimedia Data Mining and Knowledge Discovery"  
Editors: Valery Petrushin and **Latifur Khan**  
Springer, ISBN 1-84628-436-8, 2006.

#### **Book Chapters:**

##### **Published**

29. "A New Hierarchical Approach for Image Clustering"  
Lei Wang and **Latifur Khan**  
*Multimedia Data Mining and Knowledge Discovery*, Page 41-57, Editor V. Petrushin et al.,  
Springer, (December 2006).
30. "Data Complexity in Clustering Analysis of Gene Microarray Expression Profiles"  
Feng Luo and **Latifur Khan**  
*Complexity in Pattern Recognition*, Page 217-239, Editor Mitra Basu and Tin Kam Ho, Springer  
ISBN 978-1-84628-171-6 (December 2006).
31. "Classification Problems using Support Vector Machine in Data Mining"

**Latifur Khan**, and Mamoun Awad

In *Encyclopedia of Data Warehousing and Mining*, Editor John Wang, Information Science Publishing, ISBN 1-59140-557-2, (April 2005).

32. "Bayesian Networks"

Ahmed Bashir, **Latifur Khan**, and Mamoun Awad

In *Encyclopedia of Data Warehousing and Mining*, Editor John Wang  
Information Science Publishing, ISBN 1-59140-557-2, (April 2005).

33. "A Run-Time Probe Based Technique to Optimize Queries in Distributed Internet Databases"

**Latifur Khan**, Arun Ponnusamy, Dennis McLeod, and Cyrus Shahabi

*Advanced Topics in Database Research*, Editor K. Siau, Vol. 2, Idea Group Publishing, Page 128-161, Hershey, PA (2003).

34. "Object Boundary Detection for Hierarchical Image Classification"

**Latifur Khan** and Lei Wang

*Mining Multimedia and Complex Data*, ed. C. Djeraba, S. J. Simoff, and O. R. Zaiane, ISBN 3-540-20305-2, DOI:10.1007/b12031, Chapter 6, Page 36-49, Springer-Verlag Publishing, Heidelberg, Germany (2003).

35. "Change Detection of RDF Documents Using Signatures"

**Latifur Khan**, Lei Wang, and Qing Chen

*Real World RDF and Semantic Web*, ed. V. Kashyap and L. Shklar, Series of Frontiers of Artificial Intelligence and Applications, IOS Press, ISBN 1-58603-306-9, Page 93-116, Amsterdam, Netherlands (2003).

36. Privacy and Security Challenges in Geospatial Information Systems"

Bhavani Thuraisingham, **Latifur Khan**, Ganesh Subbiah, Ashraful Alam and Murat Kantarcioglu

To appear in *Encyclopedia of Geographical Information Science*, Editor: Shashi Shekhar and Hui Xiong Springer Verlag.

**Refereed Conference Publications:**

37. "Geospatial Data Mining for National Security Land Cover Classification and Grouping for Semantic Assessment"

Chuanjun Li, **Latifur Khan**, Bhavani Thuraisingham, Mohammad Hussain, Shaofei Chen, and Fang Qiu

To appear in *Proc. of ISI 2007 Intelligence and Security Informatics 2007*, New Jersey, May 2007.

38. "Feature based Techniques for Auto-detection of Novel Email Worms,"

Mohammad Masud, **Latifur Khan**, and Bhavani Thuraisingham

To appear in *11<sup>th</sup> Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2007)*, Nanjing, China, May 2007.

39. "Hybrid Model for Auto-Detection of New Malicious Executables"

Mohammad Masud, **Latifur Khan** and Bhavani Thuraisingham

To appear in *2007 IEEE International Conference on Communications (ICC 2007): Communications QoS, Reliability and Performance Modeling Symposium*, Glasgow, UK, June 2007.

40. "Vulnerability Analysis For Evaluating Quality of Protection of Security Policies",

Muhammad Abedin, Syeda Nessa, Ehab Al-Shaer and **Latifur Khan**

In *Proc. of Quality of Protection Workshop* with 13th ACM Conference on Computer and Communications Security (CCS-13) Alexandria, Virginia, USA, Virginia, October, 2006.

41. "Reasoning with semantics-aware access control policies for geospatial web services"  
Ashrafal Alam, Ganesh Subbiah, Bhavani Thuraisingam, and **Latifur Khan**  
In *Proc. of the 3rd ACM workshop on Secure web services* in conjunction with 13th ACM Conference on Computer and Communications Security (CCS-13) Alexandria, Virginia, USA, Page: 69 – 76, 2006, ISBN:1-59593-546-0
42. "A Knowledge-based Approach to detect new Malicious Executables"  
Mohammad Masud, **Latifur Khan**, and Bhavani Thurasingham  
In *Proc. of the Second Secure Knowledge Management Workshop (SKM) 2006*, Brooklyn, NY, USA, September 2006.
43. "Improving Image Annotations using Fuzzy Pruning and Association Rule Mining"  
**Latifur Khan**  
In *Proc. of ACM 7th International Workshop on Multimedia Data Mining (MDM/KDD206)* in conjunction with ACM SIGKDD 2006, Page 39-48, Philadelphia, August 2006.
44. "Detection and Resolution of Anomalies in Firewall Policy Rules"  
Muhammad Abedin, Syeda Nessa, **Latifur Khan**, Bhavani Thuraisingham  
In *Proc. 20th IFIP WG 11.3 Working Conference on Data and Applications Security (DBSec 2006)*, Springer-Verlag, July 2006, SAP Labs, Sophia Antipolis, France, Page 15-29.
45. "Email Worm Detection Using Naïve Bayes and Support Vector Machine"  
Mohammad M. Masud, **Latifur Khan**, Ehab Al-Shaer  
In *Proc. of ISI 2006 2007 Intelligence and Security Informatics*, San Diego, California, Page 733-734, (May 2006).
46. "Analysis of Firewall Policy Rule Using Data Mining Techniques"  
Kororsh Golnabi, Richard Min, **Latifur Khan** and Al-Shaer Ehab  
In *Proc. of 2006 IEEE/IFIP Network Operations & Management Symposium, (NOMS 2006)*, April 2006 (2006), Page 305-315, Vancouver, Canada.
47. "A Framework for Image Classification"  
Mamoun Awad, Yohan Jin, **Latifur Khan**, George Chen, and Fehmi Chebil  
In *Proc. of IEEE 2006 Southwest Symposium on Image Analysis and Interpretation*, March 2006 (2006), Page 134-138, Denver, Colorado, USA.
48. "Image Annotations By Combining Multiple Evidence & WordNet"  
Yohan Chin, **Latifur Khan**, Lei Wang, and Mamoun Awad  
In *Proc. of 13th Annual ACM International Conference on Multimedia (MM 2005)*, Singapore, November 2005 (2005), Page 706-715.
49. "Improving Image Annotations using WordNet"  
Yohan Chin, Lei Wang, and **Latifur Khan**  
In *Proc. of International Workshop on Multimedia Information Systems (MIS 2005)*, Sorrento, Italy, September 2005 (2005), Page 115-130.
50. "A Framework for a Video Analysis Tool for Suspicious Event Detection"  
Gal Lavee, **Latifur Khan**, and Bhavani Thuraisingham

In *Proc. of Sixth International Workshop on Multimedia Data Mining* in conjunction with KDD 2005: The Eleventh ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, Chicago, IL, USA, August 2005 (2005), Page 79-84.

51. "Message Correlation in Automated Communication Surveillance through Singular Value Decomposition"  
Ryan Layfield, **Latifur Khan**, and Bhavani Thuraisingham  
In *Proc of Sixth International Workshop on Multimedia Data Mining* in conjunction with KDD 2005: The Eleventh ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, Chicago, IL, USA, August 2005 (2005), Page 85-88.
52. "Dependable Real-time Data Mining"  
Bhavani Thuraisingham, **Latifur Khan**, Chris Clifton, John Maurer, and Marion Certui  
**Invited Paper** in *8th IEEE International Symposium on Object-oriented Real-time Distributed Computing*, Seattle, Washington, May, 2005 (2005), Page 158-165.
53. "A Link-based Privacy Preserving Data Mining Framework"  
Li Liu, **Latifur Khan**, Bhavani Thuraisingham, and Chris Clifton  
In *Proc. of 2005 South Central Information Security Symposium (SCISS '05)*, Austin, Texas, April 2005 (2005), Page 16.
54. "Link Analysis of Social Activity and Suspicious Topic Propagation"  
Ryan Layfield, **Latifur Khan**, and Bhavani Thuraisingham  
In *Proc. of 2005 South Central Information Security Symposium (SCISS '05)*, Austin, Texas, April 2005 (2005), Page 17.
55. "Suspicious Event Detection in Surveillance Video"  
Gal Lavee, Lei Wang, **Latifur Khan**, and Bhavani Thuraisingham  
In *Proc. of 2005 South Central Information Security Symposium (SCISS '05)*, Austin, Texas, April 2005 (2005), Page 18.
56. "Automatic Image Annotation and Retrieval using Weighted Feature Selection"  
Lei Wang, Li Liu, **Latifur Khan**, and Weili Wu  
In *Proc. of IEEE Sixth International Symposium on Multimedia Software Engineering*, Miami, Florida, December 2004 (2004), Page 435-442.
57. "Automatic Image Annotation and Retrieval Using Subspace Clustering Algorithm"  
Lei Wang, Li Liu, and **Latifur Khan**  
In *Proc. of 2nd ACM International Workshop on Multimedia Databases*, Arlington, Virginia, November 2004 (2004), Page 100-108.
58. "An Effective Support Vector Machines (SVM) Performance using Hierarchical Clustering"  
Mamoun Awad, **Latifur Khan**, Farokh Bastani, and I-Ling Yen  
In *Proc. of the 16th IEEE International Conference on Tools with Artificial Intelligence*, Boca Raton, Florida, November 2004 (2004), Page 663-667.
59. "Automated Test Data Generation Using MEA-Graph Planning"  
Manish Gupta, Farokh B. Bastani, **Latifur Khan**, and I-Ling Yen  
In *Proc. of the 16th IEEE International Conference on Tools with Artificial Intelligence*, Boca Raton, Florida, November 2004 (2004), Page 174-182.

60. "Real-time Classification of Multivariate Motion Data Using Support Vector Machines"  
Chuanjun Li, Punit R. Kulkarni, Li Liu, B. Prabhakaran, and **Latifur Khan**  
In *Proc. of ACM SIGKDD 5<sup>th</sup> International Workshop on Multimedia Data Mining*, Seattle, Washington, August 2004 (2004), Page 1-7.
61. "A Framework for Image Annotation Using Semantic Web"  
Ahmed Bashir and **Latifur Khan**  
In *Proc. of ACM SIGKDD First International Workshop on Mining for and from the Semantic Web (MSW 2004)*, Seattle, Washington, August 2004 (2004).
62. "Effective Intrusion Detection Using Support Vector Machines"  
**Latifur Khan**, Mamoun Awad, and Qing Chen  
In *Proc. of 2004 South Central Information Security Symposium (SCISS)*, Rice University, Houston, Texas, April 2004 (2004), Page 8.
63. "Hybrid DNA Sequence Similarity Scheme for Training Support Vector Machines"  
Mamoun Awad and **Latifur Khan**  
In *Proc. of the International Conference on Computer and Information Technology*, Dhaka, Bangladesh, December 2003 (2003), Page 247-251.
64. "Automatic Software Clustering Based On a New Hierarchical Algorithm"  
Lei Wang, **Latifur Khan**, and I-Ling Yen  
In *Proc. of international Workshop on Multimedia Data and Document Engineering (MDDE)*, Berlin, Germany, September 2003 (2003).
65. "A New Hierarchical Approach for Image Clustering"  
Lei Wang, Mohammad Bayan, **Latifur Khan**, and Vijay Rao  
In *Proc. of ACM SIGKDD 4<sup>th</sup> International Workshop on Multimedia Data Mining*, Washington DC, August 2003 (2003), Page 72-79.
66. "Hierarchical Clustering of Gene Microarray Expression Data"  
Feng Luo, Kun Tang, and **Latifur Khan**  
In *Proc. of Workshop on Clustering High Dimensional Data and its Applications in Conjunction with the Third SIAM International Conference on Data Mining (SDM 2003)*, San Francisco, CA, May 2003 (2003), Page 6-17.
67. "Intrusion Detection Using Clustering Approaches"  
**Latifur Khan**  
In *Proc. of The South Central Information Security Symposium, SCISS*, University of North Texas, Denton, Texas, April 2003 (2003), Page 3.
68. "Hierarchical Clustering of Gene Expression Data"  
Feng Luo, Kun Tang, and **Latifur Khan**  
In *Proc. of 3rd IEEE International Symposium on Bio-informatics and Bioengineering*, Bethesda, Maryland, March 2003 (2003), Page 328-335.
69. "Ontology Construction for Information Selection"  
**Latifur Khan** and Feng Luo

- In *Proc. of 14th IEEE International Conference on Tools with Artificial Intelligence*, Washington DC, November 2002 (2002), Page 122-127.
70. "Automatic Ontology Derivation Using Clustering for Image Classification"  
**Latifur Khan** and Lei Wang  
In *Proc. of Eighth International Workshop on Multimedia Information Systems*, Tempe, Arizona, October 2002 (2002), Page 56-65.
  71. "Effective Management of Location Dependent Continuous Queries in Mobile Environment"  
**Latifur Khan** and Manish Gupta  
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