

**List of Publications
Apr 2004 to Mar 2005**Department : **COMPUTER SCIENCE****ARTICLE IN JOURNAL****INTERNATIONAL REFEREED**PUBLISHED

1. Liu*, H., H. Han, J. Li and L WONG, "DNAFMiner: A Web-Based Software Toolbox to Recognize Two Types of Functional Sites in DNA Sequences". *BIOINFORMATICS*, 21, no. 16 (2005): 671-673. (United Kingdom). (Tier 1).
Publication no. 0303386
2. Peng, X., K. M. Karuturi, L. D. Miller, K. Lin, Y. Jia, P. Kondu, L. Wang, L WONG, E. T. Liu, M. K. Balasubramanian and J. Liu, " Identification of Cell Cycle-regulated Genes in Fission Yeast". *MOLECULAR BIOLOGY OF THE CELL*, 16, no. 3 (2005): 1026-1042. (United States). (Tier 1).
Publication no. 0303385
3. Cui, B., B C Ooi, J. Su and K L Tan, "Indexing High-dimensional Data for Efficient In-Memory Similarity Search". *IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING*, 17, no. 3 (2005): 339-353. (United States). (Rank 1).
Publication no. 0196160
4. Awrangjeb, M and M S Kankanhalli*, "Reversible Watermarking Using a Perceptual Model". *JOURNAL OF ELECTRONIC IMAGING*, 14, no. 1 (2005). (United States).
Publication no. 0189226
5. Srijiith, K.N, LILLYKUTTY Jacob and A L Ananda, "TCP Vegas-A: Improving the performance of TCP Vegas". *COMPUTER COMMUNICATIONS*, 28, no. 4 (2005): 429-440. (Netherlands). (Rank 2).
Publication no. 0188902
6. Teo*, Y M, X Wang and Y.K. Ng, "GLAD: A System for Developing and Deploying Large-scale Bioinformatics Grid". *BIOINFORMATICS*, 21, no. 6 (2005): 794-802. (United Kingdom). (Leading).
Publication no. 0188810
- @ 7. YU*, H and A Vahdat, "Consistent and Automatic Replica Regeneration". *ACM Transactions on Storage*, 1, no. 1 (2005). (United States). (SoC Unranked).
Publication no. 0340944

8. Ji, L and K L Tan, "Identifying Time-Lagged Gene Clusters on Gene Expression Data". *BIOINFORMATICS*, 21, no. 4 (2005): 509-516. (United Kingdom).
Publication no. 0214367

9. Tan, Louis, Eva Chua, Lisa Skipper, Carine Bonnard, Ratnagopal Pavanni, Eng-King Tan, Yi Li, Meng-Cheong Wong, W K Sung, Jianjun Liu* and Yuan Yih, "Comprehensive Evaluation of Common Genetic Variation within LRRK2 Reveals Evidence for Association with Sporadic Parkinson's Disease". *HUMAN MOLECULAR GENETICS*, 23 (2005): 3549-3556. (United Kingdom).
Publication no. 0325784

10. Sung, W K, Ankush Mittal and Arun Chinnasamy*, "Probabilistic prediction of protein-protein interactions from the protein sequences". *COMPUTERS IN BIOLOGY AND MEDICINE*, 36, no. 10 (2005): 1143-1154. (United States).
Publication no. 0325782

11. Sung*, W K, Vipin Narang* and Ankush Mittal, "Computational Modeling of Oligonucleotide Positional Densities for Human Promoter Prediction". *ARTIFICIAL INTELLIGENCE IN MEDICINE*, 35 (2005): 107-119. (Netherlands).
Publication no. 0325781

12. Jansson, Jesper, Joseph H. K. Ng, Kunihiko Sadakane and W K Sung*, "Rooted Maximum Agreement Supertrees". *ALGORITHMICA*, 43, no. 4 (2005): 293-307. (United States).
Publication no. 0325780

13. Zhang*, Y, T M C Sim and C L Tan, "Generating personalized anatomy-based 3D facial models from scanned data". *Machine Graphics and Vision*, 14, no. 1 (2005): 3-28. (United States).
Publication no. 0312493

14. Bao, F., R. H. Deng, B C Ooi and Y. Yang, "Tailored Reversible Watermarking Schemes for Authentication of Electronic Clinical Atlas". *IEEE TRANSACTIONS ON INFORMATION TECHNOLOGY IN BIOMEDICINE*, 9, no. 4 (2005): 554-563. (United States).
Publication no. 0219580

15. Apt, K R and S. Brand, "Schedulers and Redundancy for a Class of Constraint Propagation Rules". *THEORY AND PRACTICE OF LOGIC PROGRAMMING*, 5, no. 4 & 5 (2005): 441-465. (United States).
Publication no. 0218747

16. Duzdzal, M. J. and T Y Leong, "Challenges to decision support in a changing world. In Anderson, M. L.et. al. (in alphabetic order), Reports of the 2005 AAAI Spring Symposium Series". *AI MAGAZINE*, 26, no. 2 (Summer 2005): 87-92. (United States). (Rank: Leading).
Publication no. 0218288

17. Li, G. L., T Y Leong and L Zhang, "Translation Initiation Sites Prediction with Mixture Gaussian Models in Human cDNA Sequences". *IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING*, 17 (2005): 1152-1160. (United States). (Rank: Premium).
Publication no. 0218285
18. Dong*, J S, P Hao and B Mahony, "Formal Designs for Embedded and Hybrid Systems". *INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING*, 15, no. 2 (2005): 373-378. (Singapore).
Publication no. 0217918
19. Low*, K H, W K Leow and M H Jr Ang, "An ensemble of cooperative extended kohonen maps for complex robot motion tasks". *NEURAL COMPUTATION*, 17, no. 6 (2005): 1411-1445. (United States).
Publication no. 0216940
20. Case, John, S Jain, Franco Montagna, Giulia Simi and Andrea Sorbi, "On Learning to Coordinate: Random Bits Help, Insightful Normal Forms and Competency Isomorphisms". *JOURNAL OF COMPUTER AND SYSTEM SCIENCES*, 71, part. 3 (2005): 308-332. (United States). (Rank 1).
Publication no. 0216452
21. Chan*, M C and RAM Ramjee, "TCP/IP Performance over 3G Wireless Links with Rate and Delay Variation". *WIRELESS NETWORKS*, 11, no. 1-2 (Special Issue in Mobile Computing and Network) (2005): 81-97. (Netherlands). (This is an extended version of the 2002 Mobicom paper. Leading Journal in SOC Ranking.).
Publication no. 0216117
22. Li, X, T Mitra* and A Roychoudhury*, "Modeling Control Speculation for Timing Analysis". *REAL-TIME SYSTEMS*, 29, no. 1 (2005): 27-58. (Netherlands). (RANK 1 PREMIUM JOURNAL).
Publication no. 0215668
- @ 23. Ng, P, C L Wei, W K Sung, K P Chiu, L Lipovich, C C Ang, S Gupta, A Shahab, A Ridwan, C H Wong, E T Liu and Y Ruan, "Gene Identification Signature (GIS) Analysis for Transcriptome Characterization and Genome Annotation". *Nature Methods*, 2 (2005): 105-111.
Publication no. 0215222
24. Chan, H L, T W Lam, W K Sung, P W H Wong, S M Yiu and X Fan, "The Mutated Subsequence Problem and Locating Conserved Genes". *BIOINFORMATICS*, 21, no. 10 (2005): 2271-2278. (United Kingdom).
Publication no. 0215220
25. Arunkumar, C, W K Sung and A Mittal, "Protein structure and fold prediction using tree-augmented naive Bayesian classifier". *Journal of Bioinformatics and Computational Biology*, 3, no. 4 (2005): 803-820. (Singapore).
Publication no. 0215218

- @ 26. Yu, H, E C Chang, Z Y Huang and Z Zheng, "Fast Rendering of Foveated Volumes in Wavelet-based Representation". *Journal of Visual Computer*, 21, no. 8-10 (Sept 2005): 735-743. (United States). (Rank: Tier 2).
Publication no. 0211014
27. Raczy*, C, G S H Tan* and J Yu*, "A Sort-based DDM Matching Algorithm for HLA". *ACM Transactions on Modeling and Computer Simulation*, 15, no. 1 (2005): 14-38. (United States). (Premier (Rank 1)).
Publication no. 0189435
28. Zhang*, J., W Hsu and M L Lee, "Clustering in Dynamic Spatial Databases". *Journal of Intelligent Information Systems : Integrating Artificial Intelligence and Database Technologies*, 24, no. 1 (2005): 5-27. (United States). (Premium).
Publication no. 0189397
29. Leong, H W, F P Preparata*, W K Sung and H Willy, "Adaptive Control of Hybridization Noise in DNA Sequencing-by-Hybridization". *Journal of Bioinformatics and Computational Biology*, 3, no. 1 (2005): 79-98. (Singapore). (Tier 3).
Publication no. 0188951
30. Gu*, T, JK Yao* and H K Pung*, "Towards a Flexible Service Discovery". *JOURNAL OF NETWORK AND COMPUTER APPLICATIONS*, 28, no. 3 (2005): 233-248. (United Kingdom).
Publication no. 0187940
31. Gu*, T, H K Pung* and D Zhang, "A Service-Oriented Middleware for Building Context-Aware Services". *JOURNAL OF NETWORK AND COMPUTER APPLICATIONS*, 28 (2005): 1-18. (United Kingdom).
Publication no. 0187938
32. Elhadad*, N, M Kan, J Klavans and K R Mckeown, "Customization in a Unified Framework for Summarizing Medical Literature". *ARTIFICIAL INTELLIGENCE IN MEDICINE*, 33, no. 2 (2005): 179-198. (Netherlands). (Rank: Leading Journal).
Publication no. 0187765
- @ 33. Zhang*, D and W S Lee, "Learning to Integrate Web Taxonomies". *Journal of Web Semantics*, 2, no. 2 (Special Issue on Most Valuable WWW04 Semantic Web Contributions) (2004): 131-151.
Publication no. 0187675
34. Yang*, L, M L Lee and W Hsu, "Finding Hot Query Patterns over an XQuery Stream". *VLDB International Journal*, 13, no. 4 (Special Issue on Data Stream Processing) (2004): 318-332. (United States). (Premium).
Publication no. 0189392

35. ZIMMERMANN, R, "Highly Available and Heterogeneous Continuous Media Storage Systems". *IEEE TRANSACTIONS ON MULTIMEDIA*, 6, no. 6 (Regular) (2004): 886-896. (United States).
Publication no. 0362156
36. ZIMMERMANN, R, "Scalability Evaluation of the Yima Streaming Media Architecture". *SOFTWARE-PRACTICE & EXPERIENCE*, 35, no. 4 (Regular) (2004): 345-359. (United Kingdom).
Publication no. 0362155
37. Andrei, S, "Counting for Satisfiability by Inverting Resolution". *ARTIFICIAL INTELLIGENCE REVIEW*, 22, no. 4 (2004): 339-366. (Netherlands).
Publication no. 0306343
38. Zhang*, J, D Shen, G D Zhou, J Su and C L Tan, "Enhancing HMM-based biomedical named entity recognition by studying special phenomena". *JOURNAL OF BIOMEDICAL INFORMATICS*, 37, no. 6 (2004): 411-422. (United States).
Publication no. 0199162
39. Zhang, H. and S Jarzabek, "XVCL: a mechanism for handling variants in software product lines". *SCIENCE OF COMPUTER PROGRAMMING*, 53, no. 3 (Special issue on Software variability management) (2004): 381-407. (Netherlands). (leading).
Publication no. 0191156
40. Hou*, Y., W Hsu, M L Lee and C. Bystroff, "Remote Homolog Detection Using Local Sequence-Structure Correlations". *Proteins - Structure Function and Genetics*, (2004): 518-530. (United States). (Leading).
Publication no. 0189399
41. Wu, X and K L Tan, "A hash-based collaborative transcoding proxy system". *DATA & KNOWLEDGE ENGINEERING*, 51, no. 2 (2004): 161-188. (Netherlands).
Publication no. 0213832
42. Shou*, L, Z Y Huang and K L Tan, "The Hierarchical Degree-of-Visibility Tree, IEEE Transactions on Knowledge and Data Engineering". *IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING*, 16, no. 11 (2004): 1357-1369. (United States). (Rank: Tier 1).
Publication no. 0212449
43. Lu*, Y and C L Tan*, "Information retrieval in document image database". *IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING*, 16, no. 11 (2004): 1398-1410. (United States). (rank 1).
Publication no. 0188781
- @ 44. ZIMMERMANN, R, "High Resolution Live Streaming with the HYDRA Architecture". *ACM Computers in Entertainment*, 2, no. 4 (Regular) (2004). (United States).
Publication no. 0362157

- @ 45. Gu*, T, H K Pung* and DQ Zhang, "Towards an OSGi-Based Infrastructure for Context-Aware Applications". *IEEE Pervasive Computing*, 3, no. 4 (2004): 66-74. (United States).
Publication no. 0189946
46. Case, John, S Jain, Frank Stephan and Rolf Wiehagen, "Robust learning - rich and poor". *JOURNAL OF COMPUTER AND SYSTEM SCIENCES*, 69, no. 2 (2004): 123-165. (United States).
Publication no. 0312543
47. Prestwich, S. and S Bressan, "A SAT Approach to Query Optimization in Mediator Systems". *ANNALS OF MATHEMATICS AND ARTIFICIAL INTELLIGENCE*, 43 (2004). (Switzerland). (Leading).
Publication no. 0189768
48. Maxiaguine, A., S. Chakraborty, S. Kunzli and L. Thiele, "Evaluating Schedulers for Multimedia Processing on Buffer-Constrained SoC Platforms". *IEEE DESIGN & TEST OF COMPUTERS*, 21, no. 5 (September - October 2004): 368-377. (United States). (Not yet ranked in the SoC, but should be a Rank 1 Journal).
Publication no. 0188193
- @ 49. Bose, P, P Morin and A E P Vigneron, "Packing two disks in a polygonal environment". *Journal of Discrete Algorithms*, 2, no. 3 (2004): 373-380. (Germany).
Publication no. 0187484
50. Jansson, J, C Choy, K Sadakane, W K Sung and W K Sung, "Computing the Maximum Agreement of Phylogenetic Networks". *THEORETICAL COMPUTER SCIENCE*, 335, no. 1 (2004): 93-107. (Netherlands).
Publication no. 0188950
51. Hon, WK, MY Kao, TW Lam, W K Sung and SM Yiu, "Subtree Transfer Distance for Degree-d Phylogenies". *International Journal of Foundations of Computer Science*, 15, no. 6 (2004): 893-909. (Singapore).
Publication no. 0188949
52. Wang, X, Y M Teo* and J Cao, "A Bivalency Proof of the Lower Bound for Uniform Consensus Protocols". *INFORMATION PROCESSING LETTERS*, 96, no. 5 (2004): 167-174. (Netherlands). (Leading).
Publication no. 0188832
53. ZIMMERMANN, R, "RMI System: Internet Meets the Future Home Theatre". *IEEE MULTIMEDIA*, 11, no. 2 (Special Issue on Digital Multimedia on Demand) (2004): 48-57. (United States).
Publication no. 0362160

54. Yang*, Y, T Mitra and Z Y Huang, "Improving Rendering by Texture Map-Based Triangle Strips". *Computer Aided Design and Computer Graphics*, 16, no. 6 (2004): 740-746. (China).
Publication no. 0212332
55. Zhou*, G D, J Zhang*, J Su, D Shen and C L Tan, "Recognizing names in biomedical texts: a machine learning approach". *BIOINFORMATICS*, 20 (2004): 1178-1190. (United Kingdom). (rank 1).
Publication no. 0188847
56. He*, J, A H Tan and C L Tan, "Modified ART2A growing network capable of generating a fixed number of nodes". *IEEE TRANSACTIONS ON NEURAL NETWORKS*, 15, no. 3 (2004): 728-737. (United States). (rank 1).
Publication no. 0188762
57. Yu, C, S Bressan, B C Ooi and K L Tan, "Querying High Dimensional Data on Single Dimensional Space". *VLDB International Journal*, 13, no. 2 (2004): 105-119. (United States). (Rank 1).
Publication no. 0168670
58. Roychoudhury*, A, K.N. Kumar, C.R. Ramakrishnan and I.V. Ramakrishnan, "An Unfold/Fold Transformation Framework for Definite Logic Programs". *ACM TRANSACTIONS ON PROGRAMMING LANGUAGES AND SYSTEMS*, 26, no. 3 (2004). (United States). (RANK 1 Journal).
Publication no. 0161347
- @ 59. Ilie*, A., K.-L. Low*, G. Welch, A. Lastra, H. Fuchs and B. Cairns, "Combining head-mounted and projector-based displays for surgical training". *Presence: Teleoperators and Virtual Environments*, 13, no. 2 (2004): 128-145. (United States).
Publication no. 0311600

ACCEPTED FOR PUBLICATION

60. Wu, H and J Jaffar, "A Fast Algorithm for Two Processor Scheduling with Release Times and Deadlines". *SIAM JOURNAL ON COMPUTING*, (2004). (United States).
Publication no. 0198533

SUBMITTED FOR PUBLICATION

61. CRACIUN*, Florin, W N Chin*, S C Qin and M Rinard, "Region inference for an object-oriented language". *ACM TRANSACTIONS ON PROGRAMMING LANGUAGES AND SYSTEMS*, (2004). (United States). (Premium).
Publication no. 0351954
62. Alt, H, O Cheong and A E P Vigneron, "The Voronoi Diagram of Curved Objects". *DISCRETE & COMPUTATIONAL GEOMETRY*, (2004). (United States).
Publication no. 0187480

NON-REFEREED

PUBLISHED

- @ 63. Sim, T M C, "Face recognition - issues and challenges". *Synthesis Journal 2004*, 2004 (2004): 35-40. (Singapore).
Publication no. 0219152

NOT CLASSIFIED

PUBLISHED

- @ 64. Wang, J, W K Sung, A Krishnan and K B Li, "Protein subcellular localization prediction for Gramnegative bacteria using amino acid subalphabets and a combination of multiple support vector machines". *BMC Bioinformatics*, 6 (2005): 174.
Publication no. 0215224
65. Roychoudhury*, A and I.V. Ramakrishnan, "Inductively Verifying Invariant Properties of Parameterized Systems". *Automated Software Engineering*, 11, no. 2 (2004): 101-139. (United States). (RANK 2 Journal.).
Publication no. 0306470

ACCEPTED FOR PUBLICATION

- @ 66. Yuan*, X. and Y S Chee, "Design and evaluation of Elva: An embodied tour guide in an interactive virtual art gallery". *Computer Animation and Virtual Worlds*, (2004).
Publication no. 0192161

@ - indicates journal classification is based on the proposed classification of the author(s)

BOOK REVIEW

PUBLISHED

1. Kan, M. Review of "Introduction to Digital Libraries", by G. G. Chowdhury and Sudatta Chowdhury. *J. of American Society for Information Science and Technology*, 55, no. 2 (2004): 178-179. Hoboken, NJ.
Publication no. 0187741
2. Yap, R H C. Review of "Book review: Constraint Processing by Rina Dechter", by Rina Dechter. *Theory and Practice of Logic Programming*, 4, no. 5-6 (2004). Cambridge University Press.
Publication no. 0217926

LOCAL/REGIONAL**ORAL PRESENTATION**PUBLISHED

1. Zhang*, D and W S Lee, "Validating Co-Training Models for Web Image Classification". *Singapore-MIT Alliance Annual Symposium* (2005) (Singapore-MIT Alliance Annual Symposium, 1 Jan 2005)
Publication no. 0203509

2. Li*, L Y, S S Ge, T M C Sim, Y T Koh and X Y Huang, "Object-oriented scale-adaptive filtering for human detection from stereo images". *IEEE Conference on Cybernetics and Intelligent Systems 2004* (2004) (IEEE Conference on Cybernetics and Intelligent Systems 2004, 1 - 3 Dec 2004, Traders Hotel, Singapore)
Publication no. 0219150

3. Lin, L., L WONG, T Y Leong and P S Lai, "Mining of disease associated haplotype patterns of hemophilia A". *Proceedings of the 6th Asia-Pacific Conference on Human Genetics (HUGO 2004)* (2004). Singapore: Meeting Organizer. (5th HUGO Pacific Meeting and 6th Asia-Pacific Conference on Human Genetics (HUGO 2004), 17 - 21 Nov 2004, Biopolis, Singapore) (Abstract).
Publication no. 0218275

4. Huang*, X Y, L Y Li and T M C Sim, "Stereo-based human head detection from crowd scenes". *IEEE International Conference on Image Processing 2004* (2004). Singapore. (IEEE International Conference on Image Processing 2004, 24 - 27 Oct 2004, Singapore) (Rank 2).
Publication no. 0193573

INTERNATIONAL**ORAL PRESENTATION**PUBLISHED

5. Korhonen*, J T and Y Wang, "Effect of Packet Size on Loss Rate and Delay in Wireless Links". *Proceedings of IEEE Wireless Communications and Networking Conference 2005* (2005): 7. New Orleans: IEEE. (IEEE Wireless Communications and Networking Conference, 13 - 17 Mar 2005, New Orleans, United States)
Publication no. 0216547

6. Wan, ZHIGUO, BO Zhu, ROBERT H Deng, FENG Bao and A L Ananda, "DoS-resistant Access Control Protocol with Identity Confidentiality for Wireless Networks". *IEEE Wireless Communications and Networking Conference* (2005): 1521-1526 (IEEE Wireless Communications and Networking Conference, 13 - 17 Mar 2005, New Orleans, United States) (Rank 2).
Publication no. 0214269

7. Zhang*, L and C L Tan*, "A wording image coding technique and its applications in information retrieval from imaged documents". *IWDA 2005* (2005). Kolkata: ISI. (International Workshop on Document Analysis, 8 - 11 Mar 2005, Indian Statistical Institute, Kolkata, India)
Publication no. 0361055

8. Chakraborty*, S. and Lothar Thiele, "A New Task Model for Streaming Applications and its Schedulability Analysis". *Proceedings of the IEEE Design Automation & Test in Europe* (2005). California: IEEE. (IEEE Design Automation & Test in Europe (DATE), 7 - 11 Mar 2005, Munich, Germany) (Rank 2 conference.).
Publication no. 0355487

9. Andrei*, S, W N Chin, M. K. Cheng Albert and M Lupu Mihai, "Systematic Debugging of Real-Time Systems based on Incremental Satisfiability Counting". *11th IEEE Real-Time and Embedded Technology and Applications Symposium* (2005): 519-528. Los Alamitos, California: IEEE Computer Society. (IEEE Real-Time and Embedded Technology and Applications Symposium (RTAS'05), 7 - 10 Mar 2005, IEEE, San Francisco, United States) (rank 1).
Publication no. 0306428

10. Li, G. L. and T Y Leong, "A framework to learn Bayesian networks from changing, multiple-source biomedical data". *Proceedings of the 2005 AAAI Spring Symposium on Challenges to Decision Support in a Changing World*. AAAI Press Spring Symposium Series Technical Reports, vol. SS-05-02 (2005): 66-72. Menlo Park, California: AAAI Press. (2005 AAAI Spring Symposium on Challenges to Decision Support in a Changing World, 21 - 23 Mar 2005, Stanford University, Palo Alto, California, United States)
Publication no. 0218277

11. Joshi, R. and T Y Leong, "Adaptive modeling framework for systems biology". *Proceedings of the 2005 AAAI Spring Symposium on Challenges to Decision Support in a Changing World*. AAAI Press Spring Symposium Series Technical Reports, vol. SS-05-02 (2005): 48-53. Menlo Park, California: AAAI Press. (2005 AAAI Spring Symposium on Challenges to Decision Support in a Changing World, 21 - 23 Mar 2005, Stanford University, Palo Alto, California, United States)
Publication no. 0218276

12. Chan*, M C and R Ramjee, ""Designing Wireless Radio Access Networks for Third Generation Cellular Networks". *Proceedings of the IEEE INFOCOM 2005* (2005). United States. (Proceedings of the IEEE INFOCOM 2005, 13 - 17 Mar 2005, Hyatt Regency Hotel, Miami, FL, United States) (Rank 1).
Publication no. 0216167

13. Zhang*, Y, T M C Sim and E Sung, "Anatomy-based human face reconstruction using multi-layer deformation". *International Conference in Central Europe on Computer Graphics and Visualization* (2005). Plzen: University of West Bohemia. (International Conference in Central Europe on Computer Graphics and Visualization, 31 Jan - 4 Feb 2005, University of West Bohemia, Plzen - Bory, Czech Republic)
Publication no. 0327442
14. Xu*, Y, J Wu, Z Y Huang* and C Guan, "Kernel based hidden Markov model with applications to EEG signal classification". *Biomedical Engineering*, ed. K.-P. Adlassnig, M. Bracale (2005): 401-404. Calgary: ACTA Press. (BioMED 2005, 16 - 18 Feb 2005, Congress Innsbruck, Innsbruck, Austria) (unranked).
Publication no. 0314753
15. Niu, Z Y, D H Ji, C L Tan and L P Yang, "Word sense disambiguation by semi-supervised learning". *Lecture Notes in Computer Science (LNCS 3406)* (2005): 238-241. Berlin: Springer. (6th International Conference on Computational Linguistics and Intelligent Text Processing, CICLing-2005, 13 - 19 Feb 2005, El Ejecutivo, Mexico City, Mexico) (unranked).
Publication no. 0199155
16. Zhang*, Y and T M C Sim, "Anatomy-based human face reconstruction using multi-layer deformation". *The 13th International Conference in Central Europe on Computer Graphics, Visualization and Computer Vision 2005* (2005) (The 13th International Conference in Central Europe on Computer Graphics, Visualization and Computer Vision 2005, 31 Jan - 4 Feb 2005, University of West Bohemia, Plzen - Bory, Czech Republic)
Publication no. 0219142
17. Ooi, WT, "Dagster: Contributor Aware End-Host Multicast for Media Streaming in Heterogeneous Environment". *ACM/SPIE Multimedia Computing and Networking* (2005) (ACM/SPIE Multimedia Computing and Networking, 19 - 20 Jan 2005, San Jose, CA, United States) (Rank 2).
Publication no. 0214685
18. Sun*, Z, Y. Zhu, W F Wong and S K Pilakkat, "Design of Clocked Circuits using UML". *Proceedings of Asia and South Pacific Design Automation Conference 2005* (2005): 901-904. China: IEEE. (Asia and South Pacific Design Automation Conference 2005, 18 - 21 Jan 2005, Hotel Equatorial, Shanghai, China)
Publication no. 0217668
19. Zhu*, Y., W F Wong and S Andrei, "An Integrated Performance and Power Model For Superscalar Processor Designs.". *Proceedings of Asia and South Pacific Design Automation Conference 2005* (2005): 948-951. China: IEEE. (Asia and South Pacific Design Automation Conference 2005, 18 - 21 Jan 2005, Hotel Equatorial, Shanghai, China)
Publication no. 0217658
20. Pallawala, PMDS, W Hsu, M L Lee and S S Goh, "Automated Microaneurysm Segmentation and Detection using Generalized Eigenvectors". *IEEE Workshop on Application of Computer Vision (WACV)* (2005): 322-327 (IEEE Workshop on Application of Computer Vision (WACV), 5 - 7 Jan 2005, Colorado, United States) (Rank 2).

Publication no. 0214775

21. Kumar*, S, T M C Sim, R Janakiraman and SHENG Zhang, "Using continuous face verification to improve desktop security". *Workshop on applications of computer vision* (2005) (Workshop on applications of computer vision, 5 - 7 Jan 2005, Breckenridge, CO, United States) (Rank 2).
Publication no. 0188131
22. TRAN*, V-A V, S QIN and W N Chin, "An Automatic Mapping from Statecharts to Verilog". *International Colloquium on Theoretical Aspects of Computing (ICTAC)* (2005): 187-203. Germany: Springer-Verlag. (1 Jan 2005, Guiyang, China)
Publication no. 0221612
23. Jagadish, H. V., B C Ooi and Q. H. Vu, "BATON: A Balanced Tree Structure for Peer-to-Peer Networks". *Proceedings of the 31st International Conference on Very Large Data Bases* (2005): 661-672. ACM. (International Conference on Very Large Data Bases (VLDB), 30 Aug - 2 Sep 2005, Trondheim, Norway) (Rank 1).
Publication no. 0219649
24. Catania, B, B C Ooi, W. Q. Wang and X. L. Wang, "Lazy XML Updates: Laziness as a Virtue of Update and Structural Join Efficiency". *Proceedings of the ACM SIGMOD International Conference on Management of Data* (2005). Baltimore. (ACM SIGMOD International Conference on Management of Data (SIGMOD), 1 Jan 2005) (Rank 1).
Publication no. 0219615
25. Zhang, R., N. Koudas, B C Ooi and D. Srivastava, "Multiple Aggregates Over Data Streams". *Proceedings of the ACM SIGMOD International Conference on Management of Data* (2005): 299-310. Baltimore. (ACM SIGMOD International Conference on Management of Data (SIGMOD), 1 Jan 2005) (Rank 1).
Publication no. 0219587
26. Shen, H. T., B C Ooi, X. Zhou and Z Y Huang, "Towards Effective Indexing for Very Large Video Sequence Database". *Proceedings of the ACM SIGMOD International Conference on Management of Data* (2005): 730-741. Baltimore. (ACM SIGMOD International Conference on Management of Data (SIGMOD), 1 Jan 2005, Baltimore, Maryland, United States) (Rank 1).
Publication no. 0219586
27. Kalnis*, P, N Mamoulis and S Bakiras, "On Discovering Moving Clusters in Spatio-temporal Data". *Int. Symposium in Spatial and Temporal Databases (SSTD)* (2005) (Int. Symposium in Spatial and Temporal Databases (SSTD), 1 Jan 2005, Brazil)
Publication no. 0219361
28. Mamoulis*, N, S Bakiras and P Kalnis, "Evaluation of Top-k OLAP Queries Using Aggregate R-trees". *Int. Symposium in Spatial and Temporal Databases (SSTD)* (2005) (Int. Symposium in Spatial and Temporal Databases (SSTD), 1 Jan 2005, Brazil)
Publication no. 0219360

29. Goh*, S T, P Kalnis, S Bakiras and K L Tan, "Real Datasets for File-Sharing Peer-to-Peer Systems". *Int. Conference on Database Systems for Advanced Applications (DASFAA)* (2005) (Int. Conference on Database Systems for Advanced Applications (DASFAA), 1 Jan 2005, China)
Publication no. 0219359
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Publication no. 0174615
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Publication no. 0200794
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Publication no. 0192703
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Publication no. 0192467
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Publication no. 0189489

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Publication no. 0189486
175. Mitra*, T, A Roychoudhury* and Q Shen, "Impact of Java Memory Model on Out-of-Order Multiprocessors". *International Conference on Parallel Architectures and Compilation Techniques (PACT)* (2004): 99-110. NJ: IEEE CS Press. (International Conference on Parallel Architectures and Compilation Techniques, 29 Sep - 3 Oct 2004, Antibes Juan-les-Pins, France) (RANK 1 CONFERENCE).
Publication no. 0189359
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Publication no. 0187755
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Publication no. 0181222
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Publication no. 0193045

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Publication no. 0189354
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Publication no. 0192218
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Publication no. 0327527
186. Liu*, H., J. Li and L WONG, "Selection of Patient Samples and Genes for Outcome Prediction". *Proceedings of Computational Systems Bioinformatics Conference 2004* (2004): 382-392. New York: IEEE Computer Society. (Computational Systems Bioinformatics Conference 2004, 16 - 19 Aug 2004, Stanford University, Stanford, California, United States) (Tier 2).
Publication no. 0306383
187. POPEEA*, C C and W N Chin*, "A Type System for Resource Protocol Verification and its Correctness Proof". *ACM SIGPLAN Symposium on Partial Evaluation and Semantics-Based Program Manipulation* (2004): 135-146. New York: ACM Press. (ACM SIGPLAN Symposium on Partial Evaluation and Semantics-Based Program Manipulation, 1 Jan 2004, University of Verona, Verona, Italy) (rank-2 paper).
Publication no. 0196053
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Publication no. 0192942

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Publication no. 0192898
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Publication no. 0192894
191. Chi*, C H, X Li and H.G. Wang, "Evaluation of Data Streaming Effect on Real-Time Content Transformation in Active Proxies". *Proceedings of International Conference on Embedded and Ubiquitous Computing 2004* (2004): 1055-1064. Germany: Springer. (International Conference on Embedded and Ubiquitous Computing 2004, 1 Aug 2004)
Publication no. 0192886
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Publication no. 0192323
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Publication no. 0190221
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Publication no. 0190205
195. Zhang*, JI, T W Ling*, ROBERT M. Bruckner, A MIN Tjoa and HAN Liu, "On Efficient and Effective Association Rule Mining from XML Data". *Database and Expert Systems Applications* (2004): 497-507. Berlin: Springer Verlag. (The 15th International Conference on Database and Expert Systems Applications (DEX'2004), 30 Aug - 3 Sep 2004, Zaragoza, Spain)
Publication no. 0190201

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Publication no. 0190191
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Publication no. 0187881
198. Li*, SHUAI CHENG, H W Leong* and S K Y L Quek, "New Approximation Algorithms for Some Dynamic Storage Allocation Problems". *Proceedings of COCOON-2004* (2004): 339-348. Heidelberg: Springer. (International Computing and Combinatorics Conference (COCOON-2004), 17 - 20 Aug 2004, Jeju Island, South Korea) (Rank 3).
Publication no. 0181218
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PAPER FOR SEMINAR, PUBLIC TALK, LECTURE

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