

**List of Publications
Apr 2005 to Mar 2006**Department : **COMPUTER SCIENCE****ARTICLE IN JOURNAL****INTERNATIONAL REFEREED**PUBLISHED

1. YU, H, "Signed Quorum Systems". *DISTRIBUTED COMPUTING*, 18, no. 4 (2006). (United States). (SoC Rank 1).
Publication no. 0340942
2. Ye, S and T S Chua, "Learning Object Models from Semi-Structured Web Documents". *IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING*, 18, no. 3 (2006): 334-349. (United States). (Premier Journal).
Publication no. 0220867
3. Jagadish, H. V., B C Ooi, H. T. Shen and K L Tan, "Towards Efficient Multi-feature Query Processing". *IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING*, 18, no. 2 (2006): 350-362. (United States). (Rank 1).
Publication no. 0219573
4. Xia, CHENYI, W Hsu, M L Lee and B C Ooi, "BORDER: Efficient Computation of Boundary Points". *IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING*, 18, no. 2 (2006): 289-303. (United States). (Rank 1).
Publication no. 0214759
5. YU*, H and A Vahdat, "The Costs and Limits of Availability for Replicated Services". *ACM TRANSACTIONS ON COMPUTER SYSTEMS*, 24, no. 1 (2006). (United States). (SoC Rank 1).
Publication no. 0340943
- @ 6. Xu, H.X. and T S Chua, "A Framework Using Audio-Visual Features and External Information Sources for Event Detection in Broadcast Team Sports Video". *ACM Transactions on Multimedia Computing, Communications and Applications (TOMCCAP)*, 2, no. 1 (2006): 44-67. (United States).
Publication no. 0327982
7. Shen, H, K L Tan, X Zhou and B Cui, "ICICLE: A semantic-based WWW image retrieval system". *ACM Multimedia Systems*, 61, no. 1 (2006): 1-17. (United States).
Publication no. 0318839

8. Tan*, C L, L Zhang, Z Zhang and T Xia, "Restoring warped document images through 3D shape modeling". *IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE*, 28, no. 2 (2006): 195-208. (United States). (rank 1).
Publication no. 0312338
9. Jarzabek*, S, S Ru, H Zhang and Z Sun, "Analysis of meta-programs: a case study". *INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING*, 16, no. 1 (Best papers from SEKE'04) (2006): 77-101. (Singapore). (reputable; best papers from SEKE'04).
Publication no. 0198372
10. ZIMMERMANN, R, "A Multi-Threshold Online Smoothing Technique for Variable Rate Multimedia Systems". *MULTIMEDIA TOOLS AND APPLICATIONS*, 28, no. 1 (Regular) (2006): 23-49. (Netherlands).
Publication no. 0362151
- @ 11. Liu*, Tie-Fei, Ankush Mittal and W K Sung*, "Learning gene network using Time-Delayed Bayesian Network". *International Journal of Artificial Intelligence Tools*, 15, no. 3 (2006): 353-370. (Singapore).
Publication no. 0325787
12. Jansson, Jesper, See-Kiong Ng, Hugo Willy* and W K Sung*, "A Faster and More Space-Efficient Algorithm for Inferring Arc-Annotations of RNA Sequences through Alignment". *ALGORITHMICA*, ?, no. ? (2006). (United States).
Publication no. 0325479
- @ 13. Wong, Chee Hong, Yijun Ruan, Kuo Ping Chiu*, Chia Lin Wei, Qiongyu Chen, Hong Sain Ooi, Nuwantha Ariyaratne Pramila and W K Sung, "PET-Tool: a software suite for comprehensive processing and managing of Paired-End diTag (PET) sequence data". *BMC Bioinformatics*, 7 (2006): 390. (Gabon).
Publication no. 0325468
14. Du, Lei, Yen Ling Lee, Chia-Lin Wei, Jack Tan, Hong Sain Ooi, Kuo Ping Chiu, Kandhadayar Srinivasan, Yijun Ruan, Patrick Ng*, Melissa Fullwood, Clotilde Perbost and W K Sung, "Multiplex Sequencing of Paired-End Ditags (MS-PET): a Strategy for the Ultra-High-Throughput Analysis of Transcriptomes and Genomes". *NUCLEIC ACIDS RESEARCH*, 34, no. 12 (2006). (United Kingdom).
Publication no. 0325465
15. Nguyen, Nguyen Bao, Jesper Jansson and W K Sung*, "Algorithms for Combining Rooted Triplets into a Galled Phylogenetic Network". *SIAM JOURNAL ON COMPUTING*, 35, no. 5 (2006): 1098-1121. (United States).
Publication no. 0325459

16. Ruan, Yijun, Kuo-Ping Chiu, Chia-Lin Wei, Vinsensius B Vega, Joshy George, Xi Chen, Yui-Han Loh, Leonard Lipovich, Huck-Hui Ng*, Qiang Wu, Paul Robson, Weiwei Zhang, Vladimir A Kuznetsov, Kee-Yew Wong, Bernard Leong, Xiao-Dong Zhao, Guillaume Bourque, Joon-Lin Chew, Bing Lim, Lawrence W Stanton, Jun Liu, Charlie W H Lee and W K Sung, "The Oct4 and Nanog transcription network regulates pluripotency in mouse embryonic stem cells". *NATURE GENETICS*, 38, no. 4 (2006): 431-440. (United States).
Publication no. 0325452
17. Trinh*, Huynh Ngoc Dang, Wing-Kai Hon, Tak-Wah Lam and W K Sung*, "Approximate String Matching using Compressed Suffix Arrays". *THEORETICAL COMPUTER SCIENCE*, 352, no. 1-3 (2006): 240-249. (Netherlands).
Publication no. 0325448
18. Sung, W K, "A Global Map of p53 Transcription-Factor Binding Sites in the Human Genome". *CELL*, 124, no. 1 (2006): 207-219. (United States).
Publication no. 0325445
19. Jansson, Jesper, Ying-Jun He, Huynh Ngoc Dang Trinh and W K Sung*, "Inferring Phylogenetic Relationships Avoiding Forbidden Rooted Triplets". *Journal of Bioinformatics and Computational Biology*, 4, no. 1 (2006): 59-74. (Singapore).
Publication no. 0325439
20. Liu*, T F, A Mittal and W K Sung*, "Model Gene Network by Semi-Fixed Bayesian Network". *EXPERT SYSTEMS WITH APPLICATIONS*, 30, no. 1 (2006): 42-49. (United States).
Publication no. 0325169
21. Jain, S and Efim Kinber, "Learning Languages from Positive Data and a Finite Number of Queries.". *INFORMATION AND COMPUTATION*, 204, no. 1 (2006): 123-175. (United States).
Publication no. 0301287
22. Achanta, R, W Yan and M S Kankanhalli, "Modeling Intents for Home Video Repurposing". *IEEE MULTIMEDIA*, 13, no. 1 (2006): 46-55. (United States).
Publication no. 0216764
23. Kalnis, P, W.S. Ng, B C Ooi and K L Tan, "Answering Similarity Queries in Peer-to-Peer Networks". *INFORMATION SYSTEMS*, 31, no. 1 (2006): 57-72. (United Kingdom). (Rank 2).
Publication no. 0189490
24. Yuan*, B and C L Tan, "Fiducial line based skew estimation". *PATTERN RECOGNITION*, 38, no. 12 (2005): 2333-2350. (United Kingdom).
Publication no. 0311733
25. Li*, J. and L WONG, "Structural Geography of the Space of Emerging Patterns". *Intelligent Data Analysis*, 9, no. 6 (2005): 567-588. (United States). (Tier 3).
Publication no. 0311588

- @ 26. Meng*, S., Z. Zhang and L WONG, "A +1 programmed ribosomal frameshifting in a human C2H2 zinc finger gene discovered by computational analysis". *Biotechnology*, 4, no. 4 (2005): 316-324. (Pakistan). (Unranked).
Publication no. 0306341
27. Yang, SHAOFA and H W Leong*, "Improved Algorithms for Low Power Multiplexor Decomposition". *Journal of Circuits, Systems and Computers*, 14, no. 6 (2005): 1085-1099. (Singapore Pr). (Tier 3).
Publication no. 0190790
28. Sun*, Z., D Hsu*, T.T. Jiang*, H. Kurniawati* and J.H. Reif, "Narrow passage sampling for probabilistic roadmap planning". *IEEE Transactions on Robotics and Automation*, 21, no. 6 (2005): 1105-1115. (United States). (rank 1).
Publication no. 0189419
29. Aung, Z and K L Tan, "Automatic 3D Protein Structure Classification Without Structural Alignment". *JOURNAL OF COMPUTATIONAL BIOLOGY*, 12, no. 9 (2005): 1221-1241. (United States).
Publication no. 0318151
30. Sulzmann, M, "A theory of overloading". *ACM TRANSACTIONS ON PROGRAMMING LANGUAGES AND SYSTEMS*, 27, no. 6 (2005): 1-54. (United States). (rank1).
Publication no. 0314653
31. Yan, W, J Wang and M S Kankanhalli, "Analogies Based Video Editing". *ACM Multimedia Systems*, 11, no. 1 (2005): 3-18. (United States).
Publication no. 0203137
32. Wang, Y, K L Tan, J Ren and X Pang, "Towards Autonomous and Automatic Evaluation and Negotiations in Agent-mediated Internet Marketplaces". *Electronic Commerce Research*, 5, no. 3 (2005). (United States).
Publication no. 0318160
33. Chionh, C-H, Z Y Huang, K L Tan and Z Yao, "Towards SCALEable Protein Structure Comparison and Database Search". *International Journal on Artificial Intelligence Tools*, 14, no. 5 (October 2005): 827-848. (Singapore). (Rank: Tier 2).
Publication no. 0211013
34. Zhang, R, P Kalnis, B C Ooi and K L Tan, "Generalized Multi-dimensional Data Mapping and Query Processing". *ACM TRANSACTIONS ON DATABASE SYSTEMS*, 30, no. 3 (2005): 661-697. (United States). (Rank 1).
Publication no. 0219362
- @ 35. Li, G. L. and T Y Leong, "Evaluation of data encoding measures for translation initiation sites prediction". *Genomics, Proteomics & Bioinformatics*, 3 (2005): 73-83. (China). (Rank: Unranked, new journal from Elsevier Science).

Publication no. 0218286

36. Ning*, KANG, K P Choi, H W Leong and L Zhang*, "A Post Processing Method for Optimizing Synthesis Strategy for Oligonucleotide Microarrays". *NUCLEIC ACIDS RESEARCH*, 33, no. 17 (2005): e144. (United Kingdom). (Tier 1 (Science)).

Publication no. 0216882

37. Jin, D, W Yan and M S Kankanhalli, "Progressive Color Visual Cryptography". *JOURNAL OF ELECTRONIC IMAGING*, 14, no. 3 (2005). (United States).

Publication no. 0201493

38. Oh*, D and C L Tan*, "Making better recommendations with online profiling agents". *AI MAGAZINE*, 26, no. 3 (2005): 29-39. (United States). (rank 2).

Publication no. 0199153

- @ 39. ZIMMERMANN, R, "Efficient Disk Replacement and Data Migration Algorithms for Large Disk Subsystems". *ACM Transactions on Storage*, 1, no. 3 (Regular) (2005): 316-345. (United States).

Publication no. 0362153

40. Bressan, S, B. Catania, Z. Lacroix, Y.G. Li and A. Maddalena, "Accelerating queries by pruning XML documents". *DATA & KNOWLEDGE ENGINEERING*, 54, no. 2 (2005): 211-240. (Netherlands). (Leading).

Publication no. 0318000

41. Liu*, H., J. Li and L WONG, "Use of extreme patient samples for outcome prediction from gene expression data". *BIOINFORMATICS*, 21, no. 16 (2005): 3378-3384. (United Kingdom). (Tier 1).

Publication no. 0303384

42. Korhonen*, J T, Y C Huang and Y Wang, "Generic Forward Error Correction of Short Audio Frames for IP Streaming Applications". *MULTIMEDIA TOOLS AND APPLICATIONS*, 29 (Special Issue on Advances in Consumer Communications and Networking) (2005): 305-323. (Netherlands).

Publication no. 0216534

43. Korhonen*, J T, Y Wang and D. Isherwood, "Towards bandwidth-efficient and error-robust audio streaming over lossy packet networks". *MULTIMEDIA SYSTEMS*, 10, no. 5 (2005): 402-412. (Germany).

Publication no. 0216477

44. Liu, T F, W K Sung, Y Li, J J Liu, A Mittal and P L Mao, "Effective Algorithms for TagSNP Selection". *Journal of Bioinformatics and Computational Biology*, 3, no. 5 (2005): 1089-1106. (Singapore).

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45. Chen, JIN, W Hsu, M L Lee and SEE-KIONG Ng, "Discovering Reliable Protein Interactions from High-Throughput Experimental Data using Network Topology". *ARTIFICIAL INTELLIGENCE IN MEDICINE*, 35, no. 1-2 (Special Issue on Computational Intelligence Techniques in Bioinformatics) (2005): 37-47. (Netherlands). (Leading).
Publication no. 0214769
46. Zhang, H and S Jarzabek, "A Bayesian network approach to rational architectural design". *INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING*, 15, no. 4 (2005): 695-719. (Singapore). (reputable).
Publication no. 0201895
47. Yan, W, J Wang and M S Kankanhalli, "Automatic Video Logo Detection and Removal". *ACM Multimedia Systems*, 10, no. 5 (2005): 379-391. (United States).
Publication no. 0196634
48. Jun*, H and H K Pung*, "Fairness of medium access control protocols for multi-hop ad hoc wireless networks". *Computer Networks*, 48, no. 6 (2005): 867-890. (Netherlands).
Publication no. 0187946
- @ 49. Jayasena, S., S Bressan and S. Madnick, "A Case Study of Electronic Bill Presentment and Payment (EBPP) Integration Using the COIN Mediation Technology". *Journal of Internet Banking and Commerce*, 10, no. 2 (2005). (Canada).
Publication no. 0318007
- @ 50. Welch*, G., R. Yang, S. Becker, A. Ilie, D. Russo, J. Funaro, A. State, K.-L. Low, A. Lastra, H. Towles, B. Cairns, H. Fuchs and A. van Dam, "Immersive electronic books for surgical training". *IEEE Multimedia*, 12, no. 3 (2005): 22-35. (United States).
Publication no. 0311601
51. Bessiere, C, J-C Regin, R H C Yap and Y Zhang, "An Optimal Coarse-Grained Arc Consistency Algorithm". *ARTIFICIAL INTELLIGENCE*, 165, no. 2 (2005): 165-185. (Netherlands).
Publication no. 0216973
52. Li, H, W Hsu, M L Lee and T Y Wong, "Automatic Grading of Retinal Vessel Caliber". *IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING*, 52, no. 7 (2005): 1352-1355. (United States).
Publication no. 0208082
53. Zhu, B, F Bao, R H Deng, M S Kankanhalli and G Wang, "Efficient and Robust Key Management for Large Mobile Ad-hoc Networks". *Computer Networks - The International Journal of Computer and Telecommunications Networking*, 48, no. 4 (2005): 657-682. (United Kingdom).
Publication no. 0197352

54. 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. 0353941
55. Jagadish, H. V., B C Ooi, K L Tan, C Yu and R Zhang, "iDistance: An Adaptive B+-tree Based Indexing Method for Nearest Neighbour Search". *ACM TRANSACTIONS ON DATABASE SYSTEMS*, 30, no. 2 (2005): 364-397. (United States). (Rank 1).
Publication no. 0218834
56. Zhou, Y, B C Ooi, K L Tan and W H Tok, "An adaptable distributed query processing architecture". *DATA & KNOWLEDGE ENGINEERING*, 53, no. 3 (2005): 283-309. (Netherlands).
Publication no. 0214370
57. Zhang*, H, W Huang, Z Y Huang and B Zhang, "A Kernel Autoassociator Approach to Pattern Classification". *IEEE Transactions on Systems, Man and Cybernetics Part B - Cybernetics*, 35, part. 3 (2005): 593-606. (United States). (Rank: Tier 2).
Publication no. 0211012
58. Thiele, L, E Wandeler and S. Chakraborty, "A Stream-Oriented Component Model for Performance Analysis of Multiprocessor DSPs". *IEEE SIGNAL PROCESSING MAGAZINE*, 22, no. 3 (Hardware/Software Co-design for DSP) (2005): 38-46. (United States). (This journal has the highest impact factor among all journals published by IEEE in the area of Electronics and Electrical Engineering (2003). Impact factor = 3,298).
Publication no. 0216488
59. ZIMMERMANN, R, "Retransmission-Based Error Control for Scalable Streaming Media Systems". *JOURNAL OF ELECTRONIC IMAGING*, 14, no. 1 (Regular) (2005). (United States).
Publication no. 0362154
60. Teo*, Y M and S.S. Bhakti, "A Framework for Formalization and Strictness Analysis of Simulation Event Orderings". *SIMULATION-TRANSACTIONS OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL*, 81, no. Special Issue (2005): 325-335. (United Kingdom). (Leading).
Publication no. 0188773

ACCEPTED FOR PUBLICATION

61. Ramanathan, S, ASHRAF A Kassim* and T S Tan, "Impact of Vertex Clustering on 3D Dynamic Mesh Coding - A Study". *IMAGE AND VISION COMPUTING*, (2006). (Netherlands).
Publication no. 0336396
62. Li*, C, T W Ling* and M Hu*, "Efficient updates in dynamic XML data: from binary string to quaternary string". *VLDB International Journal*, (2006). (United States).

Publication no. 0325418

63. Dong*, J S, PING Hao*, Dr. Sun*, S C Qin and Y Wang, "Timed Automata Patterns: Projections from TCOZ". *ACM TRANSACTIONS ON SOFTWARE ENGINEERING AND METHODOLOGY*, (2006). (United States).
Publication no. 0188447

64. Lam, Tak-Wah, Swee-Seong Wong* and W K Sung*, "Improved approximate string matching using compressed suffix data structures". *ALGORITHMICA*, (2006). (United States).
Publication no. 0325805

SUBMITTED FOR PUBLICATION

65. Teo*, Y M and X Wang, "Global Data Computation in Chordal Rings". *JOURNAL OF PARALLEL AND DISTRIBUTED COMPUTING*, (2005). (United States). ((Premium)
[completed 1st revision on 23 Aug 2007]).
Publication no. 0325316

NON-REFEREED

PUBLISHED

66. Leong, H W, "Berth Allocation and Planning". *Innovation Magazine - The Magazine of Research & Technology*, 6, no. 1 (2006): 20-21. (Singapore). (invited article, cover story).
Publication no. 0328042

NOT CLASSIFIED

PUBLISHED

67. ZIMMERMANN, R, "BroadScale: Heterogeneous Scaling of Randomly Labeled Disks". *International Journal of Digital Libraries*, 6, no. 1 (Regular) (2006): 98-111. (United States).
Publication no. 0362152
68. Shenoy*, A and Y Wang, "Key, Chord, and Rhythm Tracking of Popular Music Recordings". *COMPUTER MUSIC JOURNAL*, 29, no. 3 (2005): 75-86. (United States).
Publication no. 0216537

SUBMITTED FOR PUBLICATION

- @ 69. Apt, K R and S. Brand, "The Many Faces of Rationalizability". *-blank-*, (2005).
Publication no. 0218750
- @ 70. Apt, K R and S. Brand, "A New Constraint-based Framework for Qualitative Reasoning". *-blank-*, (2005).
Publication no. 0218749

71. Sun*, Dr. and J S Dong*, "Synthesis Event-based Controller From State-based Plants". *FORMAL METHODS IN SYSTEM DESIGN*, (2005). (United States). ((rank-1)).
Publication no. 0217909

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

CONFERENCE PAPER

LOCAL/REGIONAL

ORAL PRESENTATION

PUBLISHED

1. Chieu*, H.L., W S Lee and L. Kaelbling, "Activity Recognition from Physiological Data Using Conditional Random Fields". *Proceedings of SMA Symposium* (2006). Singapore: . (SMA symposium, 17 Jan 2006, PGP, Singapore) (Unranked).
Publication no. 0307866

POSTER PRESENTATION

PUBLISHED

2. Ching*, Kin Wah Eugene and G H Ong, "An Improvement Scheme to Fractal Image Compression (A Two-Pass Improved Encoding Scheme)". *National Undergraduate Research Opportunities Programme Congress 2006* (2006). Singapore: NUS. (National Undergraduate Research Opportunities Programme Congress 2006, 20 Feb 2006, NUS, Singapore)
Publication no. 0321009

INTERNATIONAL

ORAL PRESENTATION

PUBLISHED

3. Mekie*, J, S Chakraborty, G Venkataramani, P S Thiagarajan and D. K. Sharma, "Interface Design for Rationally Clocked GALS Systems". *12th International Symposium on Advanced Research in Asynchronous Circuits and Systems (ASYNC 2006)*. (2006). New York: IEEE Press. (12th International Symposium on Advanced Research in Asynchronous Circuits and Systems (ASYNC 2006)., 13 - 15 Mar 2006, Chamber of Commerce and Industry, Grenoble, France)
Publication no. 0316413

4. Ning*, K, Ket Fah Chong and H W Leong*, "A Database Search Algorithm for Identification of Peptides with Multiple Charges Using Tandem Mass Spectrometry". *Workshop on Data Mining for BioMedical Applications, LNCS-3916*, ed. Jinyan Li and Jiang Yang and Ah Hwee Tan. Lecture Notes in Computer Science, vol. 3916 (2006): 2-13. Heidelberg: Springer Verlag. (Workshop on Data Mining for BioMedical Applications, 9 Apr 2006, Hilton Hotel, Singapore) (Others).
Publication no. 0316184

5. Agrawal*, Manindra, Frank Stephan*, P S Thiagarajan* and S YANG*, "Behavioural Approximations for Restricted Linear Differential Hybrid Automata". *Hybrid Systems: Computation and Control, 9th International Workshop, HSCC 2006, Santa Barbara, CA, USA, March 29-31, 2006, Proceedings..* Lecture Notes in Computer Science, vol. 3927 (2006): 4-18. Heidelberg: Springer. (HSCC 2006, 29 - 31 Mar 2006, Santa Barbara, Santa Barbara, California, United States)
Publication no. 0312135

6. WANG*, M, K Chen* and S C Khoo, "On The Pursuit of Static and Coherent Weaving". *FOAL 2006 Proceedings Foundations of Aspect-Oriented Languages Workshop at AOSD 2006* (2006). Iowa: Iowa State University, TR #06-01. (Foundations of Aspect-Oriented Languages 2006 (FOAL 2006), 21 Mar 2006, University of Bonn, Bonn, Germany) (Unranked).
Publication no. 0311621

7. TRAN*, D N, WT Ooi and Y C Tay, "SAX: A tool for studying congestion-induced surfer behavior". *Passive and Active Measurement Conference* (2006). Adelaide: U. Adelaide. (Passive and Active Measurement Conference, 30 - 31 Mar 2006, National Wine Centre of Australia, Adelaide, Australia)
Publication no. 0309682

8. Chan*, M C, E C Chang, Liming Lu and Sam Ng, "Effect of Malicious Synchronization". *4th International Conference, ACNS 2006* (2006). USA: Springer. (4th International Conference on Applied Cryptography and Network Security, 6 - 9 Jun 2006, Swissotel Merchant Court, Singapore) (Acceptance Rate is 33/218, about 15%).
Publication no. 0306984

9. GUO, L, A Roychoudhury* and T Wang, "Accurately Choosing Execution Runs for Software Fault Localization". *Proceedings of Compiler Construction Conference*, ed. Alan Mycroft and Andreas Zeller (2006). Berlin: Springer. (Compiler Construction (CC), 30 - 31 Mar 2006, Vienna, Austria) ((Rank 2 Conference)
[Supported by project R252-000-194-305 from A*STAR]).
Publication no. 0306468

10. Rong*, G D and T S Tan*, "Jump Flooding in GPU with Applications to Voronoi Diagram and Distance Transform". *ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games* (2006): 109-116, 228. New York: ACM SIGGRAPH. (Plenary paper) (ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games, 14 - 17 Mar 2006, Redwood City, California, United States)
Publication no. 0305715

11. Ang*, W. T., M Krichane and T M C Sim, "Zero phase filtering for active compensation of periodic physiological motion". *IEEE / RAS-EMBS International Conference on Biomedical Robotics and Biomechatronics* (2006). New York: IEEE. (IEEE / RAS-EMBS International Conference on Biomedical Robotics and Biomechatronics, 20 - 22 Feb 2006, Palazzo dei Congressi di Pisa, Pisa, Italy)
Publication no. 0327438
12. Wu*, Xiuchao, A L Ananda and M C Chan, "PMC: An Energy Efficient Event Transport Service For Wireless Sensor Network". *Proceedings of 2006 IEEE International Conference on Communications* (2006). USA: IEEE. (International Conference on Communications, 11 - 15 Jun 2006, Istanbul, Turkey) (Rank 2 in SOC).
Publication no. 0315394
13. Chen, C, Z Y Huang, H Yu and E C Chang, "Progressive Transmission and Rendering of Foveated Volume Data". *International Conference on Computer Graphics Theory and Applications (GRAPP 2006)*, ed. J. Braz, J. Jorge, M. Dias, and A. Marcos (2006): 67-75. Lisboa: INSTICC Press. (The 1st International Conference on Computer Graphics Theory and Applications (GRAPP 2006), 25 - 28 Feb 2006, Setubal, Lisboa, Portugal) (unranked).
Publication no. 0314675
14. Lu*, S, C L Tan and W Huang, "Language identification in degraded and distorted document images". *Lecture Notes in Computer Science, LNCS 3872*, ed. H. Bunke, A.L. Spitz (2006): 232-242. Berlin: Springer. (International Workshop on Document Analysis Systems, DAS 2006, 13 - 15 Feb 2006, Rutherford Hotel, Nelson, New Zealand) (rank 2).
Publication no. 0312546
15. Zhou*, L, Y LU* and C L Tan, "Bangla/English script identification based on analysis of connected component profiles". *Lecture Notes in Computer Science, LNCS 3872*, ed. H Bunke, A.L.Spitz (2006): 243-254. Berlin: Springer. (International Workshop on Document Analysis Systems, DAS 2006, 13 - 15 Feb 2006, Rutherford Hotel, Nelson, New Zealand) (rank 2).
Publication no. 0312545
16. Yang*, L, W Huang* and C L Tan, "Semi-automatic ground truth generation for chart image recognition". *Lecture Notes in Computer Science, LNCS 3872*, ed. H. Bunke, A.L. Spitz (2006): 324-335. Berlin: Springer. (International Workshop on Document Analysis Systems, DAS 2006, 13 - 15 Feb 2006, Rutherford Hotel, Nelson, New Zealand) (rank 2; This paper received the Best Student Paper Award).
Publication no. 0312542
17. Yuan*, B, L K Kwoh and C L Tan, "Finding the Best-Fit Bounding-Boxes". *Lecture Notes in Computer Science, 3872* (2006). Berlin / Heidelberg: Springer Verlag. (7th IAPR Workshop on Document Analysis Systems 2006, 13 - 15 Feb 2006, Rutherford Hotel, Nelson, New Zealand) (Rank 2).
Publication no. 0311758

18. Jain, S and Efiom Kinber, "On Learning Languages from Positive Data and a Limited Number of Short Counterexamples". *Proceedings of the 19th Annual Conference on Learning Theory*, ed. Gabor Lugosi and Hans Ulrich Simon (2006): 259-273. Pittsburgh, Pennsylvania: Springer Verlag, 2006. (19th Annual Conference on Learning Theory (COLT '06), 22 - 25 Jun 2006, Carnegie Mellon University, Pittsburgh, Pennsylvania, United States) (Rank 1).
Publication no. 0310185
19. Chang, E C and Q Li, "Hiding Secret Points Amidst Chaff". *LNCS* (2006). LNCS: LNCS. (EUROCRYPT, 29 May - 1 Jun 2006, ST PETERSBURG, Russia) (Rank 1).
Publication no. 0307555
20. YANG*, L H, W Hsu, L WONG and M L Lee, "SVM-based Identification of microRNA Precursors". *Proceedings of 4th Asia-Pacific Conference on Bioinformatics*, ed. Jiang Tao, Ueng-Cheng Yang, Phoebe Chen, Limsoon Wong. *Advances in Bioinformatics and Computational Biology*, vol. 3, ed. Limsoon Wong, Ying Xu (2006): 267-276. London: Imperial College Press. (4th Asia-Pacific Conference on Bioinformatics, 13 Feb - 16 Mar 2006, National Taiwan University, Taipei, Taiwan) (Tier 3).
Publication no. 0306367
21. Chan, C Y and Y Ni, "Content-based dissemination of fragmented XML data". *Proceedings of IEEE International Conference on Distributed Computing Systems* (2006). New Jersey: IEEE Computer Society. (IEEE International Conference on Distributed Computing Systems, 4 - 7 Jul 2006, Lisboa, Portugal) (Rank 1 Conference).
Publication no. 0303484
22. Wang*, R and W K Leow*, "Posture Analysis under Partial Self-Occlusion". *Proceedings of International Conference on Image Analysis and Recognition* (2006). New York: Springer. (International Conference on Image Analysis and Recognition, 28 - 30 Sep 2005, Hotel Vermar, Povoia de Varzim, Portugal)
Publication no. 0327197
23. Sung*, W K, Swee-Seong Wong, Siu-Lung Tam*, Tak-Wah Lam and Ho-Leung Chan, "Compressed Indexes for Approximate String Matching". *14th Annual European Symposium on Algorithms (ESA)* (2006). ?: Springer. (14th Annual European Symposium on Algorithms (ESA), 11 - 15 Sep 2006, ETH Zürich, Switzerland)
Publication no. 0325515
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Publication no. 0216900
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Publication no. 0216485

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