

## Steven C.H. HOI

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**Citizenship:** Macau S.A.R., China  
**Singapore Residency Status:** Singapore P.R.

### EDUCATION:

<b>2004 - 2006</b>	Ph.D. in Computer Science and Engineering The Chinese University of Hong Kong (CUHK)
<b>2002 - 2004</b>	M.Phil. in Computer Science and Engineering The Chinese University of Hong Kong (CUHK)
<b>1998 - 2002</b>	Bachelor in Computer Science and Technology Tsinghua University

### CAREER HISTORY:

<b>2014 Aug - Present</b>	Singapore Management University School of Information Systems Associate Professor
<b>2013 - 2014 Aug</b>	Nanyang Technological University School of Computer Engineering Associate Professor
<b>2007 - 2013</b>	Nanyang Technological University School of Computer Engineering Assistant Professor
<b>2006 - 2007</b>	Postdoctoral Fellow Department of Computer Science and Engineering The Chinese University of Hong Kong

### RESEARCH INTERESTS:

Machine Learning, Big Data Analytics, Multimedia Search & Mining, Social Media & Web Mining, Computer Vision & Pattern Recognition, Computational Finance, Mobile & Software Mining, and Cyber Security Analytics

## **PROFESSIONAL ACTIVITIES:**

### **Editorial Boards:**

1. Associate Editor in Chief, Neurocomputing journal (Elsevier), 2014 – present
2. Associate Editor, Neurocomputing journal (Elsevier), 2012 – present
3. Associate Editor, IEEE Signal Processing Letter (IEEE), 2012 – present
4. Guest Editor, Machine Learning journal (Springer), (guest editor), 2012 – 2013
5. Guest Editor, ACM Transactions on Intelligent Systems and Technology (ACM), 2010 – 2011
6. Editorial board member, International Journal of Knowledge Discovery in Bioinformatics (IGI), 2012 – present
7. Guest Editor, Advances in Multimedia, 2011-2012.
8. Guest Editor, Journal of Electrical and Computer Engineering, 2011-2012

### **Conference Technical Program Committee and Advisory Services:**

1. Area Chair/Senior PC Members: ACML2014, ICME2014, 2014
2. Member, Technical Program Committee: ICML2014, NIPS2014(referee), KDD2014, MM2014, AAAI2014, CIKM2014, etc., 2014
3. Session Chair: ICME2014, PR China, 2014
4. Area Chair/Senior PC Members: ACML2013, ICME2013, 2013
5. Member, Technical Program Committee: ICML2013, NIPS2013(referee), KDD2013, MM2013, WWW2013, IJCAI2013, CIKM2013, ICMR2013, etc., 2013
6. Session Chair, SDM2013, Austin, US, May 2013
7. Program Co-Chair, ACML2012, Singapore, Nov, 2012
8. Area Chair, ACM Multimedia (MM2012), 2012
9. Video Co-Chair, ACM SIGKDD (KDD2012), Beijing, PR China, August 12-16, 2012
10. Member, Technical Program Committee: ICML2012, NIPS2012(referee), KDD2012, AAAI2012, CIKM2012, etc., 2012
11. General Co-Chair, ACM SIGMM Workshop on Social Media (WSM2011), 2011
12. Senior PC member, ACML2011, Taiwan, Nov 2011
13. Member, Technical Program Committee: ICML2011, NIPS2011(referee), KDD2011, MM2011, WWW2011, AAAI2011, WSDM2011, ICME2011, WI2011, etc., 2011
14. General Co-Chair, ACM SIGMM Workshop on Social Media (WSM2010), 2010
15. Member, Technical Program Committee: ICML2010, KDD2010, MM2010, SIGIR2010, WI2010, etc., 2010
16. General Co-Chair, ACM SIGMM Workshop on Social Media (WSM2009), 2009
17. Panel Chair, ACM SIGMM Workshop on Social Media (WSM2009), 2009
18. Session Chair, ACM SIGMM Workshop on Social Media (WSM2009), 2009
19. Member, Technical Program Committee: ICML2009, MM2009, ICCV2009, NIPS2009, SIGIR2009, etc., 2009

### **External Grant/Proposal Referee/Review Services:**

1. External Reviewer for proposal review, Research Grants Council (RGC) of Hong Kong, 2014
2. External Reviewer for proposal review, Research Grants Council (RGC) of Hong Kong, 2013
3. External Reviewer for proposal review, Research Grants Council (RGC) of Hong Kong, 2012
4. External Reviewer for proposal review, Research Grants Council (RGC) of Hong Kong, 2011
5. External Reviewer for proposal review, National Science Foundation (NSF), USA, 2011
6. External Reviewer for proposal review, Vienna Science and Technology Fund, Euro, 2010

## PUBLISHED REFERRED JOURNALS:

1. Steven C.H. Hoi, Jialei Wang, Peilin Zhao, LIBOL: A Library for Online Learning Algorithms?, *Journal of Machine Learning Research (JMLR)*, 15(1), pp. 495-499 2014.
2. Bin LI\*, Steven C.H. Hoi, “Online Portfolio Selection: A Survey”, *ACM Computing Surveys (CSUR)*, 46(3), pp. 35:1--35:36 2014.
3. Peilin Zhao, Steven C. H. Hoi, Jialei Wang, Bin Li, Online Transfer Learning, *Artificial Intelligence (AIJ)*, 216, pp. 76-102 2014
4. Hao Xia\*, Steven C.H. Hoi, Rong Jin, Peilin Zhao\*, “Online Multiple Kernel Similarity Learning for Visual Search”, *IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)*, 36(3), pp. 536-549 2014.
5. Dayong Wang\*, Steven C.H. Hoi, Ying He, Jianke Zhu, Tao Mei, Jiebo Luo, “Retrieval-based Face Annotation by Weak Label Regularized Local Coordinate Coding”, *IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)*, 36(3), 550-563 2014.
6. Jialei Wang^, Peilin Zhao\*, Steven C.H. Hoi, Rong Jin, “Online Feature Selection and Its Applications”, *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, 26(3), pp. 698-710, 2014.
7. Dayong Wang\*, Steven C.H. Hoi, Ying He, Jianke Zhu, “Mining Weakly-Labeled Web Facial Images for Search-Based Face Annotation”, *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, 26(1), pp. 166-179 2014.
8. Guangxia Li\*, Steven C.H. Hoi, Kuiyu Chang, Wenting Liu, Ramesh Jain, “Collaborative Online Multitask Learning”, *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, 26(8), pp. 1866-1876, 2014.
9. Jinfeng Zhuang, Tao Mei, Steven C.H. Hoi, Xian-Sheng Hua, Yongdong Zhang, “Community Discovery from Social Media by Low-Rank Matrix Recovery”, *ACM Tran. on Intelligent Systems and Technology (TIST)*, 2014.
10. Zhiyong Liu, Hong Qiao, Xu Yang, Steven C. H. Hoi, Graph Matching by Simplified Convex-Concave Relaxation Procedure, *International Journal of Computer Vision (IJCV)*, 109(3), pp. 169-186, 2014.
11. Hock Hee Ang\*, Vivekanand Gopalkrishnan, Steven C.H. Hoi, Wee Keong Ng, “Classification in P2P Networks with Cascade Support Vector Machines”, *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2013 (IF=1.676)
12. Ning Chen\*, Steven C.H. Hoi, Xiaokui Xiao, “Software Process Evaluation: A Machine Learning Framework with Application to Defect Management Process”, *Empirical Software Engineering (EMSE)*, 2013. (5Y-Impact Factor = **1.75**)
13. Steven C.H. Hoi, Rong Jin, Peilin Zhao\*, Tianbao Yang, “Online Multiple Kernel Classification”, *Machine Learning (ML)*, 2013. (Impact Factor = **1.663**, 5-Year Impact Factor = **4.099**)
14. Jing Lu\*, Steven C.H. Hoi, Jialei Wang^, Peilin Zhao\*, “Second Order Online Collaborative Filtering.”, *Journal of Machine Learning Research (JMLR)*, W&CP, 2013. (Impact Factor = **2.789**, 5-Year Impact Factor = **4.748**)
15. Qian Lu\*, Steven C.H. Hoi, Chee Keong Kwoh, “Beta Atomic Contacts: Identifying Critical Specific Contacts in Protein Binding Interfaces.” **PLOS ONE**, 2013.
16. Bin Li\*, Steven C.H. Hoi, Peilin Zhao\*, Vivek Gopalkrishnan, “Confidence Weighted Mean Reversion Strategy for On-Line Portfolio Selection”, *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2013. In press. (Impact Factor= **1.419**)
17. Hao Xia\*, Steven C.H. Hoi, “MKBoost: A Framework of Multiple Kernel Boosting”, *IEEE Transactions on Knowledge and Data Engineering(TKDE)*, 2013.(Impact Factor=**2.285**, 5-Year Impact Factor=**3.691**)
18. Liang Zhao\*, Limsoon Wong, Lanyuan Lu, Steven CH Hoi and Jinyan Li, “B-cell epitope prediction through a graph model”, **BMC Bioinformatics**, 13(S-17): S20, 2012. (Impact Factor = **2.751**, 5-Year Impact Factor = **3.493**)

19. Bin Li\*, Peilin Zhao\*, **Steven C.H. Hoi**, Vivekanand Gopalkrishnan, "PAMR: Passive-Aggressive Mean Reversion Strategy for Portfolio Selection", *Machine Learning (ML)*, vol.87, no.2, pp.221-258, 2012. (Impact Factor = **1.663**, 5-Year Impact Factor = **4.099**)
20. H.H. Ang\*, V. Gopalkrishnan, I. Zliobaite, Mykola Pechenizkiy, Steven C.H. Hoi, "Predictive Handling of Asynchronous Concept Drifts in Distributed Environments", *IEEE Transactions on Knowledge and Data Engineering(TKDE)*, 2012.(Impact Factor=**2.285**, 5-Year Impact Factor=**3.691**)
21. Liang Zhao\*, Steven C.H. Hoi, Limsoon Wong, T. Hamp, B. Rost, J. Li, "Structural and functional analysis of multi-interface domains", *PLoS One*, 2012. (Impact Factor=**4.092**, 5-Year Impact Factor=**4.537**)
22. Lei Wu<sup>^</sup>, **Steven C.H. Hoi**, Rong Jin, Jianke Zhu, N. Yu, "Learning Bregman Distance Functions with Applications to Semi-Supervised Clustering," *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, 24(3): 478-491 (2012). (Impact Factor = **2.285**, 5-Year Impact Factor = **3.691**) .
23. Guangxia Li\*, Kuiyu Chang, **Steven C.H. Hoi**, "Multi-view Semi-supervised Learning with Consensus" *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, 24(11): 2040-2051, 2012. (Impact Factor=**2.285**, 5-Year Impact Factor = **3.691**)
24. Jiazhi Xia, Dao T. P. Quynh\*, Ying He, Xiaoming Chen, Steven C. H. Hoi, "Modeling and Compressing 3D Facial Expressions Using Geometry Videos", *IEEE Transactions on. Circuits and Systems for Video Technology (TCVST)*, 22(1): 77-90 (2012) (Impact Factor = **2.548**, 5-Year Impact Factor = **3.187**)
25. Jinfeng Zhuang\*, Ivor W Tsang, **Steven C.H. Hoi**, "A Family of Simple Non-Parametric Kernel Learning Algorithms from Pairwise Constraints", *Journal of Machine Learning Research (JMLR)*, 2011. (Impact Factor = **2.789**, 5-Year Impact Factor = **4.748**)
26. Qian Liu\*, Steven C. H. Hoi, C.T.T. Su, Zhenhua Li, C.K. Kwok, L. Wong, J. Li "Structural analysis of the hot spots in the binding between H1N1 HA and the 2D1 antibody: do mutations of H1N1 from 1918 to 2009 affect much on this binding?": *Bioinformatics* 27(18): 2529-2536, 2011. (Impact Factor=**5.468**, 5-Year Impact Factor = **6.051**)
27. Peilin Zhao\*, **Steven C.H. Hoi**, Rong Jin, "Double Updating Online Learning", *Journal of Machine Learning Research (JMLR)*, 2011. (Impact Factor = **2.789**, 5-Year Impact Factor = **4.748**)
28. Jinfeng Zhuang\*, Jialei Wang<sup>^</sup>, **Steven C. H. Hoi**, Xiangyang Lan, "Unsupervised Multiple Kernel Learning." *Journal of Machine Learning Research (JMLR)*, W&CP, vol. 20, pp.129-144, Nov. 2011. (Impact Factor = **2.789**, 5-Year Impact Factor = **4.748**)
29. B.-S. Chew, L.-P. Chau, Y. He, D. Wang\*, Steven C.H. Hoi, "Spectral Geometry Image: Image Based 3d Models for Digital Broadcasting Applications", *IEEE Transactions on Broadcasting*, vol. 57, no. 3, pp.636-64. 2011. (IF = 2.087, 5YIF= 2.027)
30. Bin LI\*, **Steven C.H. Hoi**, Peilin Zhao\*, Vivek Gopalkrishnan, "Confidence Weighted Mean Reversion Strategy for On-Line Portfolio Selection" *Journal Machine Learning Research (JMLR)*, W&CP, vol. 15, 2011. pp. 434-442. (Impact Factor = **2.789**, 5-Year Impact Factor = **4.748**)
31. Jianke Zhu, **Steven C.H. Hoi**, M.R. Lyu, S. Yan, "Near-Duplicate Keyframe Retrieval by Semi-supervised Learning and Nonrigid Image Matching", *ACM Transactions on Multimedia Computing, Communications and Applications (TOMCCAP)*, vol. 7, no. 1, pp. 4, 2011. (Impact Factor = **2.465**)
32. Jinfeng Zhuang\*, Ivor W Tsang, **Steven C.H. Hoi**, "Two-Layer Multiple Kernel Learning" *Journal Machine Learning Research (JMLR)*, W&CP, vol.15, 2011. pp.909-917.
33. Bin Li\*, **Steven C.H. Hoi**, Vivek Gopalkrishnan, "CORN : Correlation-driven Nonparametric Learning Approach for Portfolio Selection", *ACM Tran. on Intelligent Systems and Technology (TIST)*, 2 (3), 2011.
34. Lei Wu<sup>^</sup>, **Steven C.H. Hoi**, Rong Jin, Jianke Zhu, Nenghai Yu, "Distance Metric Learning

- from Uncertain Side Information for Automated Photo Tagging" *ACM Transactions on Intelligent Systems and Technology (TIST)*, vol. 2, no. 2, pp. 13:1-28, 2011. (Invited Article for Special Issue)
35. **Steven C.H. Hoi**, Rong Jin, "Active Multiple Kernel Learning for Interactive Intelligent 3D Object Retrieval Systems", *ACM Transactions on Interactive Intelligent Systems (TiIS)*, 1(1):3, 2011.
  36. Lei Wu<sup>^</sup>, **Steven C.H. Hoi**, "Enhancing Bag-of-Words Models by Efficient Semantics-Preserving Metric Learning" *IEEE Multimedia*, vol.18, no.1, pp.24-37, 2011. (Impact Factor=**1.661**, 5-Year Impact Factor=**2.020**)
  37. Lei Wu<sup>^</sup>, **Steven C.H. Hoi**, Nenghai Yu, "Semantics-Preserving Bag-of-words Models and Applications", *IEEE Transactions on Image Processing (TIP)*, vol. 19, no. 7, pp. 1908-1920, 2010.  
(Impact Factor = **2.848**, 5-Year Impact Factor = **4.139**)
  38. **Steven C.H. Hoi**, Wei Liu, and Shih-Fu Chang, "Semi-Supervised Distance Metric Learning for Collaborative Image Retrieval and Clustering," *ACM Transactions on Multimedia Computing, Communications and Applications (TOMCCAP)*, vol. 6, no 3., 2010. (Impact Factor = **2.465**)
  39. Yang Zhou, Rong Jin, **Steven C.H. Hoi**, "Exclusive Lasso for Multi-task Feature Selection", *Journal Machine Learning Research (JMLR)*, W&CP, vol. 9, Italy, May 2010. pp. 988-995. (Impact Factor=**2.789**, 5-Year Impact Factor = **4.748**)
  40. Liu Yang, Rong Jin, Lily Mummert, Rahul Sukthankar, Adam Goode, Bin Zheng, Steven C.H. Hoi, M. Satyanarayanan, "A Boosting Framework for Visuality-Preserving Distance Metric Learning and Its Application to Medical Image Retrieval", *IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)*, vol.32, no.1, pp. 33-44, 2010. (IF = **4.378**, 5-Year Impact Factor = **6.424**)
  41. Hock Hee Ang\*, Vivek Gopalkrishnan, Wee Keong Ng, Steven C.H. Hoi, "P2PDocTagger: Content management through automated P2P collaborative tagging", *PVLDB Journal*, 3(2): 1601-1604, 2010.
  42. **Steven C.H. Hoi**, R. Jin, J. Zhu, M.R. Lyu, "Semi-Supervised SVM Batch Mode Active Learning with Applications to Image Retrieval," *ACM Transactions on Information Systems (TOIS)*, 27(3), 2009. (Impact Factor = **1.667**, 5-Year Impact Factor = **5.774**) No. 1 of the Most Cited TOIS papers last 5 years
  43. **Steven C.H. Hoi**, Rong Jin, Michael R. Lyu, "Batch Mode Active Learning with Applications to Text Categorization and Image Retrieval," in *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, 2009. (Impact Factor = **2.285**, 5-Year Impact Factor = **3.691**)
  44. **Steven C.H. Hoi** and Michael R. Lyu, "A Multimodal and Multilevel Ranking Framework for Large-Scale Video Retrieval," *IEEE Transactions on Multimedia (TMM)*, vol. 10, no. 4, pp. 607-619, June 2008. (Impact Factor = **1.822**, 5-Year Impact Factor = **2.372**)
  45. Jianke Zhu, **Steven C.H. Hoi** and Michael R. Lyu, "Face Annotation using Transductive Kernel Fisher Discriminant", *IEEE Transactions on Multimedia (TMM)*, vol 10, no. 01, pp. 86-96, Jan 2008.  
(Impact Factor = **1.822**, 5-Year Impact Factor = **2.372**)
  46. Jianke Zhu, **Steven C.H. Hoi** and Michael R. Lyu, "Robust Regularized Kernel Regression", *IEEE Transactions on Systems, Man and Cybernetics - Part B (TSMC)*, vol. 38, no.6, December 2008.  
(Impact Factor = **3.236**, 5-Year Impact Factor = **3.949**)
  47. **Steven C.H. Hoi**, Michael R. Lyu, and Rong Jin. "A Unified Log-based Relevance Feedback Scheme for Image Retrieval," *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, vol. 18, no.4, pp. 509-524, 2006.
  48. Luo Si, Rong Jin, Steven C.H. Hoi and Michael R. Lyu, "Collaborative Image Retrieval via Regularized Metric Learning," *ACM Multimedia Systems Journal (MMSJ)*, *Special Issue on Machine Learning Approaches to Multimedia information Retrieval*, pp.34-44, 2006.

## PUBLISHED BOOKS / BOOK CHAPTERS / PROCEEDINGS:

1. Zhi-Hua Zhou, Wee Sun Lee, Steven C. H. Hoi, Wray Buntine, Hiroshi Motoda, "Introduction: special issue of selected papers of ACML 2012", *Machine Learning (ML)*, Sep 2013, Volume 92, Issue 2-3, pp 221-223 (Co-editor & ACML12 Program Co-chair)
2. **Steven C.H. Hoi** and Wray Buntine, "JMLR Workshop and Conference Proceedings Volume 25: Asian Conference on Machine Learning", *JMLR: Workshop and Conference Proceedings (ACML'12)*, 2012.
3. **Steven C.H. Hoi**, Rong Jin, Jinghui Tang, Zhi-hua Zhou, "Introduction to the Special Issue on Distance Metric Learning in Intelligent Systems" *ACM Trans. on Intelligent Systems and Technology (TIST)*, 2012.
4. **Steven C.H. Hoi**, Jiebo Luo, Sussane Boll, Dong Xu, Rong Jin, Irwin King, "Social Media Modeling and Computing", book series of *Advances in Pattern Recognition*, Springer Press, 2011. (Book Editor)
5. **Steven C. H. Hoi**, Michal Jacovi, Yiannis Kompatsiaris, Jiebo Luo, Konstantinos Tserpes, "WSM'11: The 3rd ACM Workshop on Social Media (WSM2011)". Proceedings of ACM SIGMM International Workshop, ACM Press, Arizona, 2011. (General Co-chair)
6. Jinfeng Zhuang\*, **Steven C.H. Hoi**, "Social Image Tag Ranking by Two-View Learning", *Social Media Modeling and Computing*, edited by SCH Hoi, J Luo, S Boll, D Xu, R Jin, I King, Springer, 2011.
7. Susanne Boll, **Steven C. H. Hoi**, Roelof van Zwol, Jiebo Luo, "WSM'10: The 2nd ACM Workshop on Social Media (WSM2010)". ACM SIGMM Workshop Proceedings, Beijing, 2010. (General Co-chair)
8. Susanne Boll, **Steven C.H. Hoi**, Jiebo Luo, Rong Jin, Dong Xu, Irwin King, "First ACM SIGMM International Workshop on Social Media (WSM'09)". ACM SIGMM International Workshop Proceedings, ACM Press, Beijing, PR China, Oct, 2009. (General Co-chair)

## PUBLISHED REFERRED CONFERENCE PAPERS:

1. Doyen Sahoo, **Steven C.H. Hoi**, Bin Li, "Online Multiple Kernel Regression", ACM SIGKDD Conference (**KDD2014**), New York City, August, 2014.
2. Ji Wan, Dayong Wang, **Steven C.H. Hoi**, Pengcheng Wu, Jianke Zhu, Yongdong Zhang, Jintao Li, "Deep Learning for Content-Based Image Retrieval: A Comprehensive Study." ACM Multimedia Conference (**MM2014**), 2014. (long & oral paper)
3. Pengcheng Wu, Yi Ding, Peilin Zhao, Chunyan Miao, **Steven C. H. Hoi**, "Learning Relative Similarity by Stochastic Dual Coordinate Ascent", Proceedings of **AAAI2014**, Québec City, Québec, Canada July 27 -31, 2014.
4. Xingyu Gao, **Steven C. H. Hoi**, Yongdong Zhang, Ji Wan, Jintao Li, "SOML: Sparse Online Metric Learning with Application to Image Retrieval." Proceedings of **AAAI2014** Québec City, Québec, Canada July 27 -31, 2014
5. Ning Chen, Jialiu Lin, **Steven C. H. Hoi**, Xiaokui Xiao, and Boshen Zhang, "AR-Miner: Mining Informative Reviews for Developers from Mobile App Marketplace", 36th International Conference on Software Engineering (**ICSE2014**), 2014. (acceptance rate: 99/495=20%)
6. Peilin Zhao\*, **Steven C.H. Hoi**, "Cost-Sensitive Online Active Learning with Application to Malicious URL Detection", *The 19th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD2013)*, Chicago, US 11-14 August, 2013 (acceptance rate: 126/726=17.4%)
7. Jialei Wang^, Peilin Zhao\*, **Steven C.H. Hoi**, Jinfeng Zhuang, Zhi-Yong Liu, "Large Scale

- Online Kernel Classification,” *The 23rd International Joint Conference on Artificial Intelligence (IJCAI 2013)*, Beijing China, 2013. (Acceptance rate: 413/1473=28%)
8. Dingjiang Huang<sup>^</sup>, Junlong Zhou, Bin Li\*, **Steven C.H. Hoi**, Shuigeng Zhou, “Robust Median Reversion Strategy for On-Line Portfolio Selection”, *23rd International Joint Conference on Artificial Intelligence (IJCAI 2013)*, Beijing, China, 2013. (Acceptance rate: 413/1473=28%)
  9. Pengcheng Wu\*, Steven C.H. Hoi, Hao Xia\*, Peilin Zhao\*, Dayong Wang\*, Chunyan Miao, “Online Multimodal Deep Similarity Learning with Application to Image Retrieval”, Proceedings of the 21st ACM international conference on Multimedia (**MM2013**) Barcelona, Spain, October 21-25, 2013 (acceptance rate = 20%)
  10. Jialei Wang<sup>^</sup>, Steven C.H. Hoi, Peilin Zhao\*, Zhi-yong Liu, “Online Multi-Task Collaborative Filtering for On-the-Fly Recommender Systems”, The ACM International Conference on Recommender Systems (**RecSys2013**), Hong Kong, October 12-16, 2013 (acceptance rate = 34/143=23%)
  11. Peilin Zhao, **Steven C.H. Hoi**, Jinfeng Zhuang, “Active Learning with Expert Advice”, *International Conference on Uncertainty in Artificial Intelligence (UAI2013)*, July 11 – 15, 2013.
  12. Dayong Wang\*, **Steven C.H. Hoi**, Pengcheng Wu, Ying He, Miao Chun Yan, “Learning to Name Faces: A Multimodal Learning Scheme for Search-Based Face Annotation”, ACM **SIGIR** Conference on Information Retrieval, 2013. (Acceptance rate: 73/366=19.9%)
  13. Hao Xia\*, Pengcheng Wu\*, **Steven C.H. Hoi**, “Online Multi-modal Distance Learning for Scalable Multimedia Retrieval”, *ACM International Conference on Web Search and Data Mining (WSDM2013)*, Rome, Feb 4-8, 2013. (Acceptance rate: 73/387=18.8%)
  14. Peilin Zhao\* and **Steven C.H. Hoi**, “Cost-Sensitive Double Updating Online Learning and Its Application to Online Anomaly Detection”, *13th SIAM International Conference on Data Mining (SDM-2013)*, Austin, TX, USA, May 02-04, 2013.
  15. **Steven C.H. Hoi**, Dayong Wang, I Yeu Cheng, Elmer Lin, Jianke Zhu, Ying He, Chunyan Miao, “FANS: Face Annotation by Searching Large-scale Web Facial Images”, International Conference on World Wide Web (**WWW2013**), 2013. (Acceptance rate = 22/78=28%).
  16. Bin Li\*, **Steven C.H. Hoi**, “On-line Portfolio Selection with Moving Average Reversion”, The 29th International Conference on Machine Learning (**ICML2012**), June 26-July 1, Edinburgh, Scotland, 2012. (Acceptance rate: 243/890=27.3%)
  17. Jialei Wang\*, **Steven C.H. Hoi**, “Exact Soft Confidence-Weighted Learning”, The 29th International Conference on Machine Learning (**ICML2012**), June 26 - July 1, Edinburgh, Scotland, 2012. (Acceptance rate: 243/890=27.3%)
  18. Peilin Zhao\*, Jialei Wang\*, Pengcheng Wu\*, Rong Jin, **Steven C.H. Hoi**, “Fast Bounded Online Gradient Descent Algorithms for Scalable Kernel-Based Online Learning”, The 29th International Conference on Machine Learning (**ICML2012**), June 26-July 1, Edinburgh, Scotland, 2012. (Acceptance rate: 243/890=27.3%)
  19. Hao Xia\*, **Steven C.H. Hoi**, Pengcheng Wu\*, Rong Jin, “Boosting Multi-Kernel Locality-Sensitive Hashing for Scalable Image Retrieval”, ACM SIGIR Conference (**SIGIR2012**), Portland, Oregon, USA, August 12-16, 2012. (Full paper, acceptance rate = 20%)
  20. Tianbao Yang, Mehrdad Mahdavi, Rong Jin, Jinfeng Yi, **Steven C.H. Hoi**, “Online Kernel Selection: Algorithms and Evaluations”, In The Twenty-Sixth Conference on Artificial Intelligence (**AAAI2012**), Toronto, Ontario, Canada, July, 2012. (oral, acceptance rate = 294/1129=26%)
  21. Dayong Wang\*, **Steven C.H. Hoi**, Ying He “A Unified Learning Framework for Auto Face Annotation by Mining Web Facial Images”, Proceedings of The 21st ACM Conference on Information and Knowledge Management (**CIKM2012**), Hawaii, 2012. (Oral, acceptance rate = 146/1088 = 13.4%)
  22. Jialei Wang<sup>^</sup>, Peilin Zhao\*, **Steven C.H. Hoi**, “Cost-Sensitive Online Classification”, IEEE International Conference on Data Mining (**ICDM2012**), 2012. (acceptance rate = 20%)

23. Jinfeng Zhuang\*, Tao Mei, **Steven C. H. Hoi**, Xian-Sheng Hua, Shipeng Li, "Modeling Social Strength in Social Media Community via Kernel-based Learning," ACM International Multimedia Conference (**MM2011**), 2011. (Full Long Paper Track, acceptance rate = 17%).
24. Dayong Wang\*, **Steven C.H. Hoi**, Ying He, "Retrieval-based Face Annotation by Weak Label Regularized Local Coordinate Coding" ACM International Multimedia Conference (**MM2011**), 2011. (Full Long Paper Track, acceptance rate = 17%).
25. Dao T.P. Quynh\*, Sun Qian, Jiazhi Xia, Ying He, **Steven C.H. Hoi**, "Modeling 3D Articulated Motions with Conformal Geometry Videos" ACM International Multimedia Conference (**MM2011**), 2011. (Full Long Paper Track, acceptance rate = 17%).
26. **Ning Chen\***, Steven C. H. Hoi, Xiaokui Xiao, "Software Process Evaluation: A Machine Learning Approach" 26th IEEE/ACM International Conference On Automated Software Engineering (**ASE2011**), 2011. (Full oral paper, **37/252 = 14.6%**)
27. **Guangxia Li\***, Kuiyu Chang, Steven C. H. Hoi, Wenting Liu, Ramesh Jain, "Collaborative online learning of user generated content" Proceedings of the 20th ACM Conference on Information and Knowledge Management (**CIKM 2011**), pp.285-290, 2011. (acceptance rate: 20%)
28. **Jinfeng Zhuang\***, Tao Mei, Steven C.H. Hoi, Shipeng Li, "When Recommendation Meets Mobile: Contextual and Personalized Recommendation On The Go" 13th International Conference on Ubiquitous Computing (**UbiComp2011**), 2011. (acceptance rate: **50/302 = 16.6%**)
29. Peilin Zhao\*, **Steven C.H. Hoi**, Rong Jin, Tianbo Yang, "Online AUC Maximization" The 28th International Conference on Machine Learning (**ICML2011**), 2011. (acceptance rate: 152/589=**25.8%**)
30. Dayong Wang\*, **Steven C.H. Hoi**, Ying He, "Mining Weakly Labeled Web Facial Images for Search-based Face Annotation" The 34th Annual International ACM SIGIR Conference (**SIGIR2011**), Beijing, 2011. (acceptance rate: **108/545 = 19.8%**)
31. Pengcheng Wu\*, **Steven C.H. Hoi**, Peilin Zhao\*, Ying He, "Mining Social Images with Distance Metric Learning for Automated Image Tagging," Fourth ACM International Conference on Web Search and Data Mining (**WSDM2011**), Hong Kong, 2011. ("Oral+Poster", acceptance rate: **32/372=8.6%**)
32. Jinfeng Zhuang\*, **Steven C.H. Hoi**, "A Two-View Learning Approach for Image Tag Ranking", Fourth ACM International Conference on Web Search and Data Mining (**WSDM2011**), Hong Kong, 2011. (Full regular paper, poster presentation, acceptance rate **51/372 = 13.7%**)
33. **Steven C.H. Hoi** and Pengcheng Wu\*, "SIRE: A Social Image Retrieval Engine", ACM International Multimedia Conference (**MM2011**), demo track, 2011.
34. Hao Xia\*, **Steven C.H. Hoi**, "MKBoost: A Framework of Multiple Kernel Boosting", Eleventh SIAM International Conference on Data Mining (**SDM2011**), Phoenix/Mesa, Arizona, 28-30 April, 2011. (acceptance rate: **86/343 = 24.5%**)
35. Peilin Zhao\*, **Steven C.H. Hoi**, "BDUOL: Double Updating Online Learning on a Fixed Budget", In European conference on Machine Learning (**ECML2012**), 2012. (acceptance rate: 23.7%)
36. Pengcheng Wu\*, **Steven C.H. Hoi**, Nguyen Duc Dung\*, Ying He, "Randomly Projected KD-Trees with Distance Metric Learning for Image Retrieval", International Conference on Multimedia Modeling (**MMM2011**), Taipei, Taiwan, 2011.
37. Dayong Wang\*, **Steven C.H. Hoi**, Ying He, "An Effective Approach to Pose Invariant 3D Face Recognition", International Conference on Multimedia Modeling (**MMM2011**), Taiwan, 2011.
38. Peilin Zhao\* and **Steven C.H. Hoi**, "OTL: A Framework of Online Transfer Learning" *The 27th International Conference on Machine Learning (ICML2010)*, Haifa, Israel, 21-24 June, 2010 (Oral, acceptance rate: **152/594=25.6%**)
39. **Ying He**, J. XIA, TP DAO, X. Chen, **Steven CH Hoi**, "Modeling 3D motion data using



- geometry videos", *ACM International Conference on Multimedia (MM2010)*, Oct 2010. (Oral, acceptance rate = 15%)
40. Rong Jin, **Steven C.H. Hoi**, Tianbao Yang, "Online Multiple Kernel Learning: Algorithms and Mistake Bounds", *The 21st International Conference on Algorithmic Learning Theory (ALT2010)*, Canberra, Australia, October 6 - 8, 2010.
  41. **Guangxia Li\***, Kuiyu Chang, Steven C.H. Hoi, "Two-View Transductive Support Vector Machines", *SIAM International Conference on Data Mining (SDM2010)*, Columbus, Ohio, 2010 (acceptance rate: **82/351=23.36%**)
  42. Guangxia Li\*, **Steven C.H. Hoi**, Kuiyu Chang, and Ramesh Jain, "Micro-blogging Sentiment Detection by Collaborative Online Learning", *IEEE International Conference on Data Mining (ICDM2010)*, Sydney, Australia, December 14-17, 2010.
  43. H.E. Ang\*, V. Gopalkrishnan, W.K. Ng, **Steven C.H. Hoi**, "On classifying drifting concepts in P2P networks", *ECML/PKDD* conference, 2010.
  44. Jinfeng Zhuang\*, **Steven C.H. Hoi**, "Nonparametric Kernel Ranking Approach for Social Image Retrieval", *ACM International Conference on Image and Video Retrieval (CIVR2010)*, 2010.
  45. H.H. Ang\*, V. Gopalkrishnan, W.K. Ng, **Steven C.H. Hoi**, "Adaptive Ensemble Classification in P2P Networks" *DASFAA2010* Conference, Japan, 2010 (acceptance rate: **55/237=23%**)
  46. **H.H. Ang\***, V. Gopalkrishnan, W.K. Ng, Steven C.H. Hoi, "Satrap: Data and network heterogeneity aware P2P data-mining" *PAKDD* Conference, Hyderabad, India, 2010 (acceptance rate: **23%**)
  47. Peilin Zhao\*, **Steven C.H. Hoi**, Rong Jin, "DUOL: A Double Updating Approach for Online Learning," *Advances in Neural Information Processing Systems (NIPS2009)*, MIT Press, December 6-11, 2009 (**acceptance rate=23.8%**) (*PREMIA's Best Student Paper Award*)
  48. Lei Wu<sup>^</sup>, Rong Jin, **Steven C.H. Hoi**, Jianke Zhu, Nenghai Yu, "Learning Bregman Distance Functions and Its Application for Semi-Supervised Clustering," *Advances in Neural Information Processing Systems (NIPS2009)*, MIT Press, December 6-11, 2009 (acceptance rate: 23.8%)
  49. Lei Wu<sup>^</sup>, **Steven C.H. Hoi**, Jianke Zhu, Rong Jin, Nenghai Yu, "Distance Metric Learning from Uncertain Side Information with Application to Automated Photo Tagging", *ACM International Conference on Multimedia (MM2009)*, Beijing, October 19 - 24, 2009 (**acceptance rate = 16%**)
  50. **Ying He**, B.S. Chew, Dayong Wang\*, Steven C.H. Hoi, L.P. Chau, "Streaming 3D Meshes Using Spectral Geometry Images", *ACM International Conference on Multimedia (MM2009)*, Beijing, October 19 - 24, 2009 (**acceptance rate = 16%**)
  51. **Jianke Zhu**, Luc Van Gool, Steven C.H. Hoi, "Unsupervised Face Alignment by Robust Nonrigid Mapping", *IEEE International Conference on Computer Vision (ICCV2009)*, Sep 27 - Oct 4, Japan 2009
  52. Jinfeng Zhuang\*, Ivor Tsang, **Steven C.H. Hoi**, "SimpleNPKL: Simple Non-Parametric Kernel Learning", *International Conference on Machine Learning (ICML2009)*, June 14-18, 2009. (acceptance rate=26%)
  53. **Jianke Zhu**, Steven C.H. Hoi, MR Lyu, "Nonrigid Shape Recovery by Gaussian Process Regression", *IEEE CVPR Conference (CVPR2009)*, Florida, US, June 20-25, 2009 (acceptance rate = 22%)
  54. **Qi He**, Z. Liao, D. Jiang, Steven C.H. Hoi, K. Chang, E.P. Lim, and H. Li, "Web Query Recommendation via Sequential Query Prediction", *IEEE Conference on Data Engineering (ICDE2009)*, Shanghai China, March 29 2009 - April 2, 2009 (full industrial paper, acceptance rate = 16.8%)
  55. **H.H. Ang\***, V. Gopalkrishnan, W.K. Ng, Steven C.H. Hoi, "Communication-efficient classification in P2P networks", In Proc. *ECML/PKDD2009*, 7-11 Sept, 2009 (acceptance rate: **105/679 = 15.5%**)

56. **Jianke Zhu**, Steven C.H. Hoi, Michael R. Lyu and Shuicheng Yan, "Near-Duplicate Keyframe Retrieval by Nonrigid Image Matching," ACM International Conference on Multimedia (**ACM MM2008**), 2008. (Oral, full long paper, acceptance rate = 17%)
57. **Steven C.H. Hoi** and Rong Jin, "Active Kernel Learning," In *Proceedings of International Conference on Machine Learning (ICML2008)*, Helsinki, Finland, 5-9 July, 2008. (full regular paper, oral presentation, acceptance rate: 155/583 = 26%)
58. **Steven C.H. Hoi** and Rong Jin, "Semi-Supervised Ensemble Ranking," In *Proceedings of Association for the Advancement of Artificial Intelligence (AAAI2008)*, Chicago, 13-17 July, 2008. (full regular paper, oral presentation, acceptance rate: 227/937 = 24%)
59. **Jianke Zhu**, Steven C.H. Hoi, Zenglin Xu, Michael R Lyu, "An Effective Approach to 3D Deformable Surface Tracking", In Proc. European Conference on Computer Vision (**ECCV2008**), Marseille, France, Oct 2008 (full regular paper, acceptance rate = 21%)
60. **Wei Liu**, Steven C.H. Hoi, J. Liu, and Xiaoou Tang, "Output Regularized Metric Learning with Application to Collaborative Image Retrieval", In Proc. European Conference on Computer Vision (**ECCV2008**), Marseille, France, October 2008 (full regular paper, acceptance rate = 21%)
61. **Steven C.H. Hoi**, Rong Jin, Jianke Zhu and Michael R. Lyu, "Semi-Supervised SVM Batch Mode Active Learning for Image Retrieval," In *Proc. IEEE Conference on Computer Vision and Pattern Recognition (CVPR2008)*, Alaska, US, June 24-26, 2008. (full paper, poster, acceptance rate = 31%)
62. **Steven C.H. Hoi**, Wei Liu, and Shih-Fu Chang, "Semi-Supervised Distance Metric Learning for Collaborative Image Retrieval," In *Proc. IEEE Conference on Computer Vision and Pattern Recognition (CVPR2008)*, Alaska, US, June 24-26, 2008. (full paper, poster presentation, acceptance rate = 31%)
63. **Jinfeng Zhuang\***, Steven C.H. Hoi, Aixin Sun, Rong Jin, "Representative Entry Selection for Profiling Blogs," In *Proceedings of the 17th ACM Conference on Information and Knowledge Management (CIKM 2008)*, Napa Valley, California, USA, Oct, 2008.
64. **H.H. Ang\***, V. Gopalkrishnan, Steven C.H. Hoi, and W.K. Ng, "Cascade RSVM in Peer-to-Peer Network", In Proc. **ECML/PKDD2008**, 2008 (acceptance rate: **98/521 = 18.8%**)
65. **Steven C.H. Hoi**, Rong Jin and Michael R. Lyu, "Learning Non-Parametric Kernel Matrices from Pairwise Constraints," In *The 24th Annual International Conference on Machine Learning (ICML2007)*, Corvallis, OR US, 20-24 June, 2007. (full regular paper, oral presentation, acceptance rate = 28%)
66. **Jianke Zhu**, Steven C.H. Hoi, and Michael R. Lyu, "A Multi-Scale Tikhonov Regularization Scheme for Implicit Surface Modelling," In *Proc. IEEE Conference on Computer Vision and Pattern Recognition (CVPR2007)*, June, 2007. (full regular paper, poster presentation)
67. Y. M. Wong, **Steven C.H. Hoi** and Michael R. Lyu, "An Empirical Study on Large-Scale Content-Based Image Retrieval," In *IEEE Int. Conference on Multimedia & Expo (ICME2007)*, July 2-5, 2007.
68. **Feng Kang**, Rong Jin, Steven C.H. Hoi, "Similarity Beyond Distance Measurement", **RIAO Conference 2007 - 8th Conference - Large-Scale Semantic Access to Content (Text, Image, Video and Sound)**, CMU, Pittsburgh, PA, United States, pp 1 – 12, 2007.
69. **Steven C.H. Hoi**, Edward Y Chang and Michael R. Lyu, "Learning the Unified Kernel Machine for Classification", In *ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD2006)*, Pittsburgh, US, 2006. (**oral, acceptance rate = 11%**) (Nominated for Best Paper Award)
70. **Steven C.H. Hoi**, Rong Jin, Jianke Zhu and Michael R. Lyu, "Batch Mode Active Learning and Its Applications to Medical Image Classification", In *International Conference on Machine Learning (ICML2006)*, Pittsburgh, Penn, US, 2006. (full paper, oral, acceptance rate = 18%)
71. **Steven C.H. Hoi**, Rong Jin and Michael R. Lyu, "Large-Scale Text Categorization by Batch Mode Active Learning," In *15th International World Wide Web conference (WWW2006)*,

- Edinburgh, England, UK, 2006. (oral, acceptance rate = 11%)
72. **Qiankun Zhao**, Steven C.H. Hoi, Tie-Yan Liu, Sourav S. Bhowmick, Michael R. Lyu, and Wei-Ying Ma. "Time-Dependent Semantic Similarity Measure of Queries Using Historical Click-Through Data", In *15th International World Wide Web conference (WWW2006)*, Edinburgh, England, UK, 2006. (oral, acceptance rate = 11%)
  73. **Steven C.H. Hoi**, Wei Liu, Michael R. Lyu, and Wei-Ying Ma, "Learning Distance Metrics with Contextual Constraints for Image Retrieval," In *Proc IEEE International Conference on Computer Vision and Pattern Recognition (CVPR2006)*, 2006. (full paper, poster, acceptance rate: ~20%)
  74. **Jianke Zhu**, Steven C.H. Hoi, and Michael R. Lyu, "Real-Time Non-Rigid Shape Recovery via Active Appearance Models for Augmented Reality," In *9th European Conference on Computer Vision (ECCV2006)*, Graz, Austria, May 7 - 13, 2006. (full paper, poster, acceptance rate: 21%)
  75. **Steven C.H. Hoi** and Michael R. Lyu. "A Semi-Supervised Active Learning Framework for Image Retrieval," In *IEEE International Conference on Computer Vision and Pattern Recognition (CVPR2005)*, pp. 302-309, San Diego, 20-26 June, 2005. (full paper, poster, acceptance rate: ~20%)
  76. **Jianke Zhu**, Steven C.H. Hoi, and Michael R. Lyu. "Automatic 3D Face Modeling Using 2D Active Appearance Models," In *Proceedings of Pacific Graphics Conference (PG2005)*, Macau, October, 2005
  77. **Chu-Hong Hoi** and Michael R. Lyu. "Web Image Learning for Searching Semantic Concepts in Image Databases," In *Proceedings of 13th International World Wide Web Conference (WWW2004)*, Alternate Track Papers & Posters, New York, USA, 17-22 May, 2004.
  78. **Chu-Hong Hoi** and Michael R. Lyu. "A Novel Log-based Relevance Feedback Technique in Content-based Image Retrieval," In *Proceedings of ACM Multimedia Conference (ACM MM2004)*, pp.24-31, New York, NY, USA, 10-16 October, 2004 (oral, full long paper, acceptance rate = 16%)
  79. **Chu-Hong Hoi** and Michael R. Lyu. "Group-based Relevance Feedback with Support Vector Machine Ensembles," In *Proceedings of 17th International Conference on Pattern Recognition (ICPR2004)*, vol. 3, pp. 874-877, Cambridge, UK, 23-26 August, 2004
  80. **Chu-Hong Hoi**, Chi-Hang Chan, Kaizhu Huang, Michael R Lyu and Irwin King. "Biased Support Vector Machine for Relevance Feedback in Image Retrieval," *Int. Joint Conference on Neural Networks (IJCNN2004)*, pp.3189-3194, Budapest, Hungary, 25-29 Jul 2004 (oral, acceptance rate: 30%)
  81. **Chu-Hong Hoi** and Michael R. Lyu. "Robust Face Recognition Using Minimax Probability Machine," In *IEEE International Conference on Multimedia and Expo (ICME2004)*, Taiwan, 27-30 June, 2004
  82. **Chu-Hong Hoi**, Wei Wang, and Michael R. Lyu, "A Novel Scheme for Video Similarity Detection," In *International Conference on Image and Video Retrieval (CIVR2003)*, Urbana-Champaign, Illinois, LNCS, vol. 2728, pp. 373-382, 24-25 July, 2003

#### **OTHER PUBLICATIONS (TUTORIAL / WORKSHOP PAPERS):**

1. **Steven C.H. Hoi**, "Online Learning for Big Data Mining: Methods and Applications", *SIAM International Conference on Data Mining (SDM-2013)*, 2013. (Tutorial lecture)
2. **Steven C.H. Hoi**, "Relevance Feedback in Interactive Image Retrieval" DARPA/ARO Workshop on Interactive Query Refinement for Image/Video Retrieval, Invited by Chairman of Electrical Engineering Department, Columbia University, New York City, NY, USA, 2010. (Invited Talk)
3. **Steven C.H. Hoi** and Michael R. Lyu, "A Multimodal and Multilevel Ranking Framework for Content-Based Video Retrieval", In *IEEE Int. Conference on Acoustics, Speech, and*

- Signal Processing (ICASSP2007), Special Session of Web Image and Video Search Technologies*, Hawaii, April, 2007. (Invited Talk & Paper)
4. Edward Y. Chang, Steven C.H. Hoi, Xinjing Wang, Wei-Ying Ma, "A Unified Machine Learning Framework for Large-Scale Personalized Information Management," In *The 5th IEEE Emerging Information Technology Conference (EITC)*, Taipei, Taiwan, August, 2005. (Invited Talk & Paper)
  5. **Steven C.H. Hoi**, Michael R. Lyu, and Rong Jin. "Integrating user feedback log into Relevance Feedback with Coupled SVM for Image Retrieval," In *IEEE ICDE Workshop on Managing Data for Emerging Multimedia Applications (EMMA)*, Tokyo, Japan, 8-9 April, 2005 (Invited Talk & Paper)
  6. **Steven C.H. Hoi**, Jialei Wang<sup>^</sup>, Peilin Zhao\* and Rong Jin, "Online Feature Selection for Mining Big Data", ACM **SIGKDD** Workshop on Big Data Mining (Big-Mine), August 2012.
  7. Jialei Wang<sup>^</sup>, **Steven C.H. Hoi**, "Deep Online Learning: A Framework of Exploring Hierarchical Representations for Online Learning" ICML Workshop on Representation Learning, July 1, 2012.
  8. Peilin Zhao\*, **Steven C.H. Hoi**, "Online Transfer Learning: Towards Knowledge Transfer via Online Learning", *NIPS2009 Workshop on Transfer Learning from Structure Data (NIPS)*, Dec 6-11, 2009
  9. Jinfeng Zhuang\*, **Steven C.H. Hoi**, Aixin Sun, "On Profiling Blogs with Representative Entries", In Proc. *SIGIR Workshop on Analytics for Noisy Unstructural Text Data (AND08)*, Singapore, 24 July, 2008
  10. H.E. Ang, V. Gopalkrishnan, Steven C.H. Hoi, W.K. Ng, D. Anwitaman, "Classification in P2P Networks by Bagging Cascade RSVMs", VLDB workshop on Peer-to-Peer Computing, Auckland, 2008
  11. **Steven C.H. Hoi**, "Cross-Language and Cross-Media Image Retrieval: An Empirical Study at ImageCLEF2007," In *Cross Language Evaluation Forum campaign (CLEF2007)*, ImageCLEF 19-21 Sept, 2007
  12. Thomas Deselaers, et al., and **Steven C.H. Hoi**, "Overview of the ImageCLEF 2007 Object Retrieval Task," In *Proc. annual workshop on Cross Language Evaluation Forum campaign (CLEF2007)*, LNCS, Springer, Budapest, Hungary, 19-21 September 2007
  13. **Steven C.H. Hoi**, "The NTU solution for the Object Retrieval Task of the ImageCLEF2007", *Annual Workshop on Cross Language Evaluation Forum campaign (CLEF2007)*, ImageCLEF Object Retrieval Track, 19-21 September, 2007
  14. **Steven C.H. Hoi**, Lawson Wong and Albert Lyu, "Chinese University of Hong Kong at TRECVID 2006: Shot Boundary Detection and Video Search", *TREC Video Retrieval workshop (TRECVID)*, 2006
  15. **Steven C.H. Hoi**, Jianke Zhu and Michael R. Lyu, "CUHK Experiments at ImageCLEF 2005: Cross-Language and Cross Media Image Retrieval," In *Proc Cross Language Evaluation Forum campaign (CLEF2006)*, LNCS 4022, pp.602-611, 2006. (No.1 of all in ad-hoc ImageCLEF campaign.)