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EDUCATION

- Ph.D. in Computer Engineering, Department of Electrical Engineering, University of Southern California, USA
- M.S. in Computer Engineering, Department of Electrical and Computer Engineering, Stevens Institute of Technology, USA
- B.S. in Computer Science, Department of Computer Science, National Chiao-Tung University, Taiwan

PROFESSIONAL EXPERIENCES

- Chair Professor, Department of Computer Science and Information Engineering, Asia University
- Dean, College of Information and Electrical Engineering, Asia University
- Vice President, Asia University
- University Chair Professor in Computer Science, National Chengchi University, Taiwan
- Dean, College of Science, National Chengchi University
- Director, Center for Teaching and Learning Development, National Chengchi University
- Professor (Joint Appointment), Department of Computer Science, National Tsing Hua University, Taiwan
- Researcher (Joint Appointment), Research Center for Information Technology Innovation, Academia Sinica, Taiwan
- Professor, Department of Computer Science, National Tsing Hua University
- Chairman, Department of Computer Science and Information Engineering, National Dong Hwa University, Taiwan
- Director, Computer and Communications Center, National Tsing Hua University
- Visiting Specialist, National Science Council (at Department of Computer Science, National Tsing Hua University)
- Member of Technical Staff, Bell Communications Research, USA
- Adjunct Associate Professor, Electrical and Computer Engineering, Polytechnic University, New York, USA

- Research Scientist, Unisys Inc., USA

RESEARCH INTERESTS

- Big Data Analytics, Top-k Queries, Data Mining, Data Stream Processing and Analysis, Multimedia Information Systems

AWARDS

- Master Thesis Supervision Award, Institute of Information & Computing Machinery
- Best Dissertation Supervision Award, Taiwan Institute of Electrical and Electronic Engineering
- Master Thesis Supervision Award, The Chinese Institute of Electrical Engineering
- Distinguished Research Fellow Award, National Science Council
- Distinguished Engineering Professor Award, The Chinese Institute of Engineers
- Research Fellow Award, National Science Council (two times)
- Who's Who in the Republic of China, Government Information Office, Executive Yuan
- Distinguished Research Award, National Science Council (three times)
- Best Dissertation Supervision Award, Institute of Information & Computing Machinery (three times)
- Best Dissertation Supervision Award, Acer Inc.

SERVICES IN PROFESSIONAL SOCIETIES

- Conference Organizing Chair/Member (Since 2012)

- Advisory Committee, IEEE International Conference on Multimedia Big Data, Taiwan, 2016.
- Steering Committee, International Conference on Social Informatics, Taiwan, 2015.
- Steering Committee, International Conference on Big Data, Taiwan, 2015.
- Advisory Committee, International Conference on Technologies and Applications of Artificial Intelligence, Taiwan, 2015.
- Tutorial Chair, International Conference on Database Systems for Advanced Applications, Vietnam, 2015

- Workshop Chair, Workshop on Database, Data Mining, Big Data, and Information Retrieval, International Computer Symposium, Taiwan, 2014
- Conference Chair, Pacific-Asia Conference on Knowledge Discovery and Data Mining, Taiwan, 2014
- Steering Committee, International Symposium on Music Information Retrieval, Taiwan, 2014
- Advisory Committee, International Conference on Technologies and Applications of Artificial Intelligence, Taiwan, 2013
- Program Vice Chair, IEEE International Conference on Data Mining, Belgium, 2012
- Symposium Chair, International Symposium on Foundations and Frontiers of Data Mining, PRC, 2012
- Workshop Chair, Workshop on Database, Data Mining and Information Retrieval, International Computer Symposium, Taiwan, 2012

- Program Committee Member (Since 2010)

- 2016 International Conference on Very Large Databases (India)
- 2015 IEEE International Conference on Data Mining (USA)
- 2015 Pacific-Asia Conference on Knowledge Discovery and Data Mining (Vietnam, Senior Program Committee Member)
- 2014 IEEE International Conference on Data Mining (PRC)
- 2013 Pacific-Asia Conference on Knowledge Discovery and Data Mining (Australia, Senior Program Committee Member)
- 2012 IEEE International Conference on Data Mining (Belgium)
- 2012 Pacific-Asia Conference on Knowledge Discovery and Data Mining (Malaysia)
- 2011 IEEE International Conference on Data Mining (Canada)
- 2010 International Conference on Very Large Databases (Singapore)
- 2010 IEEE International Conference on Data Mining (Australia)
- 2010 Pacific-Asia Conference on Knowledge Discovery and Data Mining (India)

PUBLICATION LIST (SINCE 2010)

(A) Journal Papers

- Y.C. Fan, Y.C. Chen, K.C. Tung, K.C. Wu, A.L.P. Chen, "A Data Cleaning

Framework for Enabling User Preference Profiling through Wi-Fi Logs," *IEEE Transactions on Knowledge and Data Engineering* (to appear).

- J.L. Koh, C.Y. Lin, A.L.P. Chen, 2014, "Finding k Most Favorite Products based on Reverse Top-t Queries," *The VLDB Journal*, 23(4): 541-564.
- C.L. Li, E.T. Wang, G.J. Huang, A.L.P. Chen, 2014, "Top-n Query Processing in Spatial Databases Considering Bi-chromatic Reverse k-Nearest Neighbors," *Information Systems Journal*, Vol. 42, pp. 123-138.
- M.F. Tsai, C.W. Tzeng, A.L.P. Chen, 2014, "Discovering Leaders from Social Networks by Action Cascades," *Social Network Analysis and Mining*, Vol. 4, No. 1.
- C.Y. Lin, J.L. Koh, A.L.P. Chen, 2013, "Determining k-Most Demanding Products with Maximum Expected Number of Total Customers," *IEEE Transactions on Knowledge and Data Engineering*, Vol. 25, No. 8, pp. 1732-1747.
- Y.C. Fan and A.L.P. Chen, 2012, "Energy Efficient Schemes for Accuracy-Guaranteed Sensor Data Aggregation using Scalable Counting," *IEEE Transactions on Knowledge and Data Engineering*, Vol. 24, No. 8, pp. 1463-1477.
- C.W. Cho, Y.H. Wu, S.J. Yen, Y. Cheng, A.L.P. Chen, 2011, "On-Line Rule Matching for Event Prediction," *The VLDB Journal*, 20(3): 303-334.
- E.T. Wang and A.L.P. Chen, 2011, "Mining Frequent Itemsets over Distributed Data Streams by Continuously Maintaining a Global Synopsis," *Data Mining and Knowledge Discovery*, Vol. 23, No. 2, pp. 252-299.
- N.S. Yen, J.L. Tsai, P.L. Chen, H.Y. Lin, A.L.P. Chen, 2011, "Effects of Typographic Variables on Eye Movement Measures in Reading Chinese from the Screen," *Behaviour & Information Technology*, 30(6), 797-808.
- Y.C. Fan and A.L.P. Chen, November 2010, "Efficient and Robust Schemes for Sensor Data Aggregation based on Linear Counting," *IEEE Transactions on Parallel and Distributed Systems*, Vol. 21, No. 11, pp. 1675-1691.
- N.H. Liu, Y.H. Wu and A.L.P. Chen, July 2010, "Identifying Prototypical Melodies by Extracting Approximate Repeating Patterns from Music Works," *Journal of Information Science and Engineering*, Vol. 26, No.

(B) Conference Papers

- Y.H. Chou, E.T. Wang, A.L.P. Chen, "Finding Maximal Quasi-Cliques Containing a Target Vertex in a Graph," Proc. International Conference on Data Management Technologies and Applications, 2015.
- R.S. Jheng, E.T. Wang, A.L.P. Chen, "Determining Top-K Candidates by Reverse Constrained Skyline Queries," Proc. International Conference on Data Management Technologies and Applications, 2015.
- W.H. Tai, E.T. Wang, A.L.P. Chen, "On Continuous Spatial Skyline Queries over a Line Segment," Proc. International Conference on Database and Expert Systems Applications, 2014.
- Y.W. Lin, E.T. Wang, C.F. Chiang, A.L.P. Chen, "Finding Targets with the Nearest Favor Neighbor and Farthest Disfavor Neighbor by a Skyline Query," Proc. ACM Symposium on Applied Computing, 2014.
- C.W. Chang, Y.C. Fan and A.L.P. Chen, "On the Semantic Annotation of Daily Places: A Machine-Learning Approach," Proc. International Workshop on Location and the Web at ACM International Conference on Information and Knowledge Management, 2014.
- J.L. Koh, C.J. Chiang, S.C. Chu, Y.C. Huang, S.C. Peng, S.H. Wang, T.Y. Liu, H.I. Hsiao, C. Lin, A.L.P. Chen, "A Graph Structure-based Asset Retrieval System," Proc. International Computer Symposium, 2014.
- C.J. Lin Wang, E.T. Wang, A.L.P. Chen, "Anonymization for Multiple Released Social Network Graphs," Proc. Pacific-Asia Conference on Knowledge Discovery and Data Mining, 2013.
- K.H. Juang, E.T. Wang, C.F. Chiang, A.L.P. Chen, "Verification of k -Coverage on Query Line Segments," Proc. International Database Engineering & Applications Symposium, 2013.
- C.C. Chen and A.L.P. Chen, "Efficient Processing of Skyline Queries by MapReduce," Proc. Conference on Technologies and Applications of Artificial Intelligence, 2013.
- Y.C. Fan, X. Liu, W.C. Lee, A.L.P. Chen, "Efficient Time Series Disaggregation for Non-intrusive Appliance Load Monitoring," Proc. IEEE International Conference on Ubiquitous Intelligence and Computing, 2012.
- D.J. Li, E.T. Wang, Y.C. Tsai, A.L.P. Chen, "On Continuous Top-k Similarity Joins," Proc. International Conference on Data Technologies and Applications, 2012.
- M.F. Tsai, C.W. Tzeng, A.L.P. Chen, "Discovering Leaders from Social Network

by Action Cascade," Proc. EuroSys Workshop on Social Network Systems, 2012.

- T.A. Yeh, E.T. Wang, A.L.P. Chen, "Finding Leaders with Maximum Spread of Influence through Social Networks," Proc. International Computer Symposium, 2012.
- W.C. Wang, E.T. Wang, A.L.P. Chen, "Dynamic Skylines Considering Range Queries," Proc. International Conference on Database Systems for Advanced Applications, 2011.
- C.Y. Lin, J.L. Koh, A.L.P. Chen, "A Better Strategy of Discovering Link-Pattern based Communities by Classical Clustering Methods," Proc. Pacific-Asia Conference on Knowledge Discovery and Data Mining, 2010.
- Y.C. Su, E.T. Wang, A.L.P. Chen, "Continuous Probabilistic Skyline Queries over Uncertain Data Streams," Proc. International Conference on Database and Expert Systems Applications, 2010.