

Keith C.C. Chan
Professor
Department of Computing
The Hong Kong Polytechnic University
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Education:

- Ph.D. in Systems Design Engineering University of Waterloo, Canada 1989
- M.A.Sc. in Systems Design Engineering University of Waterloo, Canada 1985
- B.Math. in Computer Science & Statistics University of Waterloo, Canada 1984

Conference Organization and Program Committee Membership:

- **Program Committee Member**, *The 20th International Conference on Software Engineering and Data Engineering (SEDE 2011)*, Las Vegas, NV, June 20-22, 2011.
- **Program Committee Member**, *The Fourth International Workshop on Intelligent Infomatics in Biology and Medicine (IIBM 2011)*, Seoul, Korea, June 30 -- July 2, 2011.
- **Program Committee Member**, *2010 2nd International workshop on Data Mining for Biomarker Discovery (DMBD 2010)*, Hong Kong, Dec., 18-21, 2010.
- **Program Committee Member**, *The 23rd International Conference on Software Engineering and Knowledge Engineering (SEKE' 2011)*, Miami Beach, MI, July 1-3, 2010.
- **Technical Program Committee Member**, *The 5th International Conference on Knowledge, Information and Creativity Support Systems (KICSS 2010)*, Chiang Mai, Thailand, November 25-27, 2010.
- **Member of the International Advisory Board**, *The FTRA 2010 International Workshop on U-Healthcare Technologies and Services (U-Healthcare 2010)*, Gwangju, Korea, December 9-11, 2010.
- **International Program Committee Member**, *The 14th IASTED International Conference on Artificial Intelligence and Soft Computing (ASC 2011)*, Crete, Greece, June 22-24, 2011.
- **Program Committee Member**, *The Third International Conference on Advances in Biotechnologies (BIOTECHNO 2011)*, Venice, Italy, May 22-27, 2011.
- **Program Committee Member**, *The International Conference on Web Intelligence, Mining and Semantics (WIMS'11)*, Sogndal, Norway, May 25-27, 2011.
- **Program Committee Member**, *2011 African Conference on Software Engineering and Applied Computing (ACSEAC)*, Cape Town, South Africa, March 20-25, 2011.
- **Program Committee Member**, *2010 IEEE International Conference on Data Mining (ICDM 2010)*, Sydney, Australia, Dec., 13-17, 2010.
- **International Program Committee Member**, *International Conference on Knowledge Discovery and Information Retrieval (KDIR 2010)*, Valencia, Spain, October 25-28, 2010.
- **Program Committee Member**, *The 6th International Conference on Intelligent Environments – IE'10*, Kuala Lumpur, Malaysia, July 19-21, 2010.
- **Track Chair**, *19th ACM International Conference on Information and Knowledge Management*, Toronto, Canada, October 26 -30, 2010.

- **Vice-Chair of Program Committee**, *The 2010 IEEE/WIC/ACM International Conference on Web Intelligence (WI-10)*, Toronto, Canada, Aug., 31-Sept., 3, 2010.
- **Program Committee Co-Chair**, *IEEE International Conference on Bioinformatics & Biomedicine (BIBM2010)*, Hong Kong, Dec 19-22, 2010.
- **Program Committee Member**, *8th International Conference on Smart Homes and Health Telematics (ICOST2010)*, Seoul, Korea, June 22-24, 2010.
- **Program Committee Member**, *2010 IEEE International Conference on Granular Computing (IEEE GrC 2010)*, Silicon Valley, USA, Aug 14-16, 2010.
- **Program Committee Member**, *International Conference on Hybrid Learning 2010 (ICHL 2010)*, Beijing, August 16-18, 2010.
- **Technical Program Committee Member**, *The 7th International Conference on Fuzzy Systems and Knowledge Discovery (FSKD'10)*, 10-12 August 2010, Yantai, China.
- **Program Committee Member**, *The IEEE International Conference on Digital Game and Intelligent Toy Enhanced Learning (DIGITEL2010)*, Kaohsiung, Taiwan, April 12-16, 2010.
- **Program Committee Member**, *The 22nd International Conference on Software Engineering and Knowledge Engineering (SEKE' 2010)*, Redwood City, CA, July 1-3, 2010.
- **Program Committee Member**, *International Conference on Software Process – ICSP 2010*, Paderborn, Germany, July 8-9, 2010.
- **Program Committee Member**, *The Second International Conference on Advances in Biotechnologies (BIOTECHNO 2010)*, Cancun, Mexico, March 7-12, 2010.
- **Program Committee Member**, *The Third International Workshop on Intelligent Informatics in Biology and Medicine (IIBM 2010)*, Krakow, Poland, February 15-18, 2010.
- **Program Committee Member**, *The 14th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD-10)*, Hyderabad, India, June 21-24, 2010.
- **Program Committee Member**, *2009 International workshop on Data Mining for Biomarker Discovery (DMBD 2009)*, Washington DC, Nov. 1-4, 2009.
- **Steering Committee Member**, *The Second International workshop on Multimedia, Information Privacy and Intelligent Computing Systems (MPIS-2009)*, Jiju, Korea, Dec., 10-12, 2009.
- **Program Committee Member**, *2009 IEEE International Conference on Data Mining (ICDM 2009)*, Miami, FL, Dec., 6-9, 2009.
- **Member of Steering Committee**, *The 4th International Symposium on Smart Home (SH'09)*, Toronto, Canada, Jul 13-16, 2009.
- **Program Committee Member**, *International Conference on Hybrid Learning 2009 (ICHL 2009)*, Macau, August 25-37, 2009.
- **Program Committee Member**, *7th International Conference on Smart Homes and Health Telematics (ICOST2009)*, Paris, France, July 1-3, 2009.
- **International Program Committee Member**, *International Conference on Knowledge Discovery and Information Retrieval (KDIR 2009)*, Madeira, Portugal, October 5-8, 2009.
- **International Program Committee Member**, *The IASTED International Conference on Computational Intelligence (CI 2009)*, Honolulu, Hawaii, August 17-19, 2009.
- **Program Committee Member**, *The 1st International Conference on reforming Education for the 21st Century (ic_EDUCA 2009)*, Athens, Greece, June 10-12, 2009.
- **Program Committee Member**, *The 2009 IEEE/WIC/ACM International Conference on Web Intelligence (WI-09)*, Milano, Italy, September 15-18, 2009.

- **Program Committee Member**, *2009 IEEE International Conference on Granular Computing (IEEE GrC 2009)*, Lushan Mountain/Nanchang, China, Aug 17-19, 2009.
- **Technical Program Committee Member**, *The 21st International Conference on Software Engineering and Knowledge Engineering (SEKE' 2009)*, Boston, MA, July 1-3, 2009.
- **Program Committee Member**, *The 9th International Conference on Quality Software (QSIC 2009)*, Jeju, Korea, August 24-25, 2009.
- **Publicity Co-Chair**, *Third IEEE International Conference on Semantic Computing (ICSC2009)*, Berkeley, CA, Sept. 14-16, 2009.
- **Program Committee Member**, *International Conference on Software Process – ICSP 2009*, Vancouver, Canada, may 16-17, 2009.
- **Program Committee Member**, *The 13th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD-09)*, Bangkok, Thailand, April 27-30, 2009.
- **Program Committee Member**, *The 2009 IEEE Congress on Evolutionary Computation (CEC 2009)*, Trondheim, Norway, May 18-21, 2009.
- **Program Committee Member**, *The Second International Workshop on Intelligent Infomatics in Biology and Medicine (IIBM 2009)*, Fukuoka, Japan, March 16-19, 2009.
- **Honorary Chair**, *International Conference on Hybrid Learning 2008 (ICHL 2008)*, Hong Kong, August 13-15, 2008.
- **Program Committee Member**, *2008 IEEE International Conference on Data Mining (ICDM 2008)*, Pisa, Italy, December 15-19, 2008.
- **Program Committee Member**, *The 7th IEEE International Conference on Cognitive Informatics (ICCI 2008)*, Standford, CA, August 14-16, 2008.
- **Program Committee Member**, *2008 IEEE International Conference on Granular Computing (IEEE GrC 2008)*, Hangzhou, China, Aug 26-28, 2008.
- **Program Committee Member**, *The 20th International Conference on Tools with Artificial Intelligence*, Dayton, OH, Nov., 3-5, 2008.
- **General Co-Chair**, *The 3rd International Symposium on Smart Home (SH'08)*, Hainan Island, China, Dec., 7-8, 2008.
- **Program Committee Member**, *The 2008 IEEE/WIC/ACM International Conference on Web Intelligence (WI-08)*, Sydney, Australia, December 9-12, 2008.
- **Technical Program Committee Member**, *The 20th International Conference on Software Engineering and Knowledge Engineering (SEKE' 2008)*, Redwood City, SF, July 1-3, 2008.
- **Program Committee Member**, *The 8th International Conference on Quality Software (QSIC 2008)*, Oxford, UK, August 12-13, 2008.
- **Scientific Committee Member**, *6th International Conference on Smart Homes and Health Telematics (ICOST2008)*, Ames, IA, June 28, July 2, 2008.
- **International Program Committee Member**, *The 12th IASTED International Conference on Artificial Intelligence and Soft Computing (ASC 2008)*, Palma de Mallorca, Spain, Sept., 1-3, 2008.
- **Publicity Co-Chair**, *Second IEEE International Conference on Semantic Computing (ICSC2008)*, Santa Clara, CA, August 4-7, 2008.
- **Program Committee Member**, *International Conference on Software Process – ICSP 2008*, Leipzig, Germany, May 10-11, 2008.
- **Program Committee Member**, *The 2nd International workshop on Smart Home (SH-07)*, Cheju Island, December 7-8, 2007.

- **Program Committee Member**, *2007 IEEE International Conference on Granular Computing (IEEE GrC 2007)*, Silicon Valley, San Jose, CA, November 2-4, 2007.
- **Program Committee Member**, *The 7th International Conference on Quality Software (QSIC 2007)*, Portland, Oregon, October 11-12, 2007.
- **Program Committee Member**, *The 6th IEEE International Conference on Cognitive Informatics (ICCI 2007)*, Lake Tahoe, CA, August 6-8, 2007.
- **International Program Committee Member**, *The IASTED International Conference on Computational Intelligence (CI 2007)*, Banff, Alberta, Canada, July 2-4, 2007.
- **Program Committee Member**, *13th ACM International Conference on Knowledge discovery and Data Mining (KDD-07)*, San Jose, CA, August 12-15, 2007.
- **International Program Committee Member**, *IASTED International Conference on Artificial Intelligence and Soft Computing (ASC 2007)*, Palma de Mallorca, Spain, August 29-31, 2007.
- **Program Committee Member**, *5th International Conference on Smart Homes and Health Telematics (ICOST2007)*, Nara, Japan, 21-23 June, 2007.
- **Program Committee Member**, *International Conference on Software Process – ICSP 2007*, Minneapolis, IN, May 19-20, 2007.
- **International Advisory Committee member**, *The 4th International Conference on Ubiquitous Intelligence and Computing (UIC-07)*, Hong Kong, July 11-13, 2007.
- **Program Committee Member**, *2007 Information Resources Management Association (IRMA) International Conference*, Vancouver, BC, Canada, May 19-23, 2007.
- **Program Committee Member**, *2006 IEEE International Conference on Data Mining*, December 18-22, 2006, Hong Kong.
- **Program Committee Member**, *2006 IEEE/WIC/ACM International Conference on Web Intelligence (WI-06)*, December 18-22, 2006, Hong Kong.
- **Program Committee Member**, *The 5th International Conference on Web-based Learning (ICWL 2006)*, Penang, Malaysia, July 19-21, 2006.
- **Advisory Committee Member**, *The 2nd International Conference on Mobile Ad-hoc and Sensor Networks (MSN-06)* Hong Kong....
- **International Program Committee Member**, *IASTED International Conference on Artificial Intelligence and Soft Computing (ASC 2006)*, Palma de Mallorca, Spain, August 28-30, 2006.
- **Program Committee Member**, *The 6th International Conference on Quality Software (QSIC 2006)*, Beijing, China, October 26-28, 2006.
- **Program Committee Member**, *The 5th IEEE International Conference on Cognitive Informatics*, Beijing, China, August, 2006.
- **Technical Program Committee Member**, *4th International Workshop on Mobile Distributed Computing (MDC'06)*, Buffalo, NY, June 26, 2006.
- **Honorary Co-Chair**. *The Tenth IEEE International EDOC Concerence (EDOC 2006)*, Hong Kong, 16-20 October 2006.
- **Program Committee Member**. *International Workshop on Applications of Artificial Intelligence in Energy Production and Environmental Systems Engineering*, San Francisco, July 2006.
- **International Program Committee Member**, *The IASTED International Conference on Computational Intelligence (CI 2006)*, Calgary, Alberta, Canada, July 17-19, 2006.

- **Program Committee Member**, *2006 IEEE International Conference on Granular Computing (IEEE GrC 2006)*, Atlanta, May 10-12, 2006.
- **Program Committee Member**, *Software Process Workshop and International Workshop on Process Simulation and Modeling, (SPW/ProSim 2006)*, Shanghai, May 20-21, 2006.
- **Program Committee Member**, *The 9th International Conference on Parallel Problem Solving from Nature (PPSN VIII)*, Reykjavik, Iceland, 9-13 September, 2006.
- **Program Committee Member**, *The IEEE 20th International Conference on Advanced Information Networking and Applications, Track on Pervasive/Ubiquitous Networks and Computing*, Vienna, Austria, April 18-20, 2006.
- **Program Committee Member**, *2006 Information Resources Management Association (IRMA) International Conference*, Washington, D.C., May 21-24, 2006.
- **Program Committee Member**, *The 2nd International Conference on Embedded Software and Systems (ICISS-2005)*, X'ian, China, December 16-18, 2005.
- **Program Committee Member**, *The 5th International Conference on Quality Software (QSIC 2005)*, Melbourne, Australia, September 19-21, 2005.
- **Program Committee Member**, *2005 International Conference on Computational Intelligence and Computing (CIS 2005)*, X'ian, China, December 15-19, 2005.
- **Program Committee Member**, *2005 IEEE/WIC/ACM International Joint Conference on Web Intelligent Agent Technology (WI-IAT 2005)*, Sept., 19-20, 2005, France.
- **Program Committee Member**, *The 4th IEEE International Conference on Cognitive Informatics*, Irvine, CA, August 8-10, 2005.
- **International Program Committee Member**, *IASTED International Conference on Artificial Intelligence and Soft Computing (ASC 2005)*, Benidorm, Spain, Sept., 12-14, 2005.
- **Program Committee Member**, *IAPR International Conference on Biometrics IAPR ICBA, Jan 5-7, 2006, Hong Kong.*
- **Honorary Co-Chairs**, *The 4th International Conference on Web-based Learning (ICWL 2005)*, Hong Kong, July 31 – August 3, 2005.
- **Program Committee Member**, *Software Process Workshop 2005 (SPW2005): Unifying the Software Process Spectrum*, Beijing, May 25-27, 2005.
- **International Program Committee Member**, *The IASTED International Conference on Computational Intelligence (CI 2005)*, Calgary, Alberta, Canada, July 4-6, 2005.
- **Technical Program Committee Member**, *3rd International Workshop on Mobile Distributed Computing (MDC'05)*, Columbus, OH, June 6-10, 2005.
- **Advisory Committee Member**, *The IEEE International Conference on e-Technology, e-Commerce and e-Service*, Hong Kong, March 29, April 1, 2005.
- **Program Committee Member**, *2005 Information Resources Management Association (IRMA) International Conference*, San Diego, California, May 15-18, 2005.
- **Program Committee Member**, *The 3rd IEEE International Conference on Cognitive Informatics*, Victoria, Vancouver, Canada, August 16-17, 2004.
- **International Program Committee Member**, *The 5th International Conference on Simulated Evolution And Learning (SEAL '04)*, Busan, Korea, Oct., 26-29, 2005.
- **Program Committee Member**, *Third International Workshop on Cooperative Internet Computing (CIC 2004)*, Dec., 10, 2004, Hong Kong, China.
- **Program Committee Member**, *2004 IEEE/WIC/ACM International Conference on Web Intelligence (WI 2004)*, Sept., 20-24, 2004, Beijing, China.

- **Program Committee Member**, *The 8th International Conference on Parallel Problem Solving from Nature (PPSN VIII)*, Birmingham, UK, 18-22 September, 2004..
- **International Program Committee Member**, *IASTED International Conference on Artificial Intelligence and Soft Computing (ASC 2004)*, Mabella, Spain, Sept., 1-3, 2004.
- **International Program Committee Member**, *The Fifth International Conference on Simulated Evolution And Learning (SEAL'04)*, Busan, Korea, October 26-29, 2004.
- **Program Committee Member**, *The ICPP-04 Workshop on Networked Embedded Computing (NEC-04)* held in conjunction with the 33rd International Conference on parallel Processing, Montreal, Canada, Aug. 15-18, 2004.
- **Program Committee Member**, *The 5th International Conference on Web-Age Information Management (WAIM'2004)*, Dalian, China, July 15-17, 2004.
- **Program Committee Member**, *The First International Conference on Smart Hones and Health Telematics ICOST2003*, Paris, France, Sept. 24-26, 2003.
- **Program Committee Member**, *The 2nd IEEE International Conference on Cognitive Informatics*, London, UK, August, 2003.
- **Program Committee Member**, *2003 Asia Pacific Software Engineering Process Group (ASPEC) Conference*, Hong Kong, 2003.
- **Program Committee Member**, *2003 International Workshop on Data Mining for Software Engineering and Knowledge Engineering (DMSK'03)*, San Francisco Bay, July 1-3, 2003.
- **Program Committee Member**, *Hong Kong International Computer Conference 2003 (HKICC2003)*, 24-25 September, 2003, Hong Kong.
- **Program Committee Member**, *International Conference on Biometric Authentication (ICBA)*, Hong Kong, 2004.
- **Program Committee Member**, *1st International Workshop on Mobile Distributed Computing (MDC'03)*, Providence, Rhode Island, USA, May 19-22, 2003.
- **Program Committee Member**, *2003 IEEE/WIC International Conference on Web Intelligence (WI 2003)*, October 13-17, 2003, Halifax, Canada.
- **Program Committee Member**, *Third International Conference on Intelligent Data Engineering and Automated Learning 2003 (IDEAL 2003)*, March 21-23, 2003, Hong Kong.
- **International Program Committee Member**, *Twenty-First IASTED International Multi-Conference on Applied Informatics – AI 2003*, February 10-13, 2003, Innsbruck, Austria.
- **International Program Committee Member**, *IASTED International Conference on Artificial Intelligence and Soft Computing (ASC 2003)*, Banff, Canada, Jul., 17-19, 2003.
- **Program Committee Member**, *5th International Conference on Computational Biology and Genome Informatics, 2003 (CBGI'2003)*, Raleigh-Durham, North Carolina, September, 26-30, 2003.
- **Program Committee Member**, *2nd International Workshop on Cooperative Internet Computing (CIC 2002)*, Hong Kong, August 18-19, 2002.
- **Program Committee Member**, *CAiSE'02 Workshop on Web Services, e-Business, and the Semantic Web: Foundations, Models, Architecture, Engineering and Applications*, Toronto, Canada, May 27-28, 2002.
- **Program Committee Member**, *The 1st IEEE International Conference on Cognitive Informatics*, Calgary, Canada, August, 2002.
- **Organization Committee Chair**, *1st International Conference on Web-Based Learning*, Hong Kong, 2002.

- **International Program Committee Member**, *LASTED International Conference on Artificial Intelligence and Soft Computing (ASC 2002)*, Banff, Canada, Jul., 17-19, 2002.
- **Program Committee Member**, *First International Joint Conference on Autonomous Agents & Multi-Agent Systems, AAMAS 2002*, Bologna, Italy, Jul., 15-19, 2002.
- **Program Committee Member**, *Seventh Pacific Rim International Conference on Artificial Intelligence (PRICAI-02)*, Tokyo, Japan, Aug., 18-22, 2002.
- **Industrial Track Chair**, *International Software Development and Management (LSD&M) Conference*, Hong Kong, Dec., 18-20, 2000.
- **Program Committee Member**, *The Sixth International Computer Science Conference -- Active Media Technology*, Hong Kong, Dec., 18-20, 2001.
- **Program Committee Member**, *The First Asia-Pacific Conference on Web Intelligent (WI'2001)*, Maebashi City, Japan, Oct., 23-26, 2001.
- **Program Committee Member**, *Pacific Asia Conference on Knowledge Discovery and Data Mining (PAKDD-01)*, Hong Kong, April 16-18, 2001.
- **Program Committee Member**, *Game Technology Conference*, Hong Kong, February, 2001.
- **Program Co-Chair**, *The 2nd Hong Kong Conference on Quality Software Development*, Nov., 1997.
- **Program Co-Chair**, *The 1st Hong Kong Conference on Quality Software Development*, Apr., 1996.

Journal Editorship:

- **Editorial Board Member**, *International Journal Data Mining and Bioinformatics (IJDMB)* (since 2010).
- **Editorial Board Member**, *International Journal of Software Science and Computational Intelligence (IJSSCI)* (since 2008).
- **Editorial Board Member**, *Knowledge and Information systems (KAIS)* (since 2007).
- **Editorial Board Member**, *International Journal of Cognitive Informatics and Natural Informatics (IJCiNi)* (since 2005).
- **Editorial Board Member**, *International Journal of Bioinformatics Research and Applications (IJBRA)* (since 2004).
- **Editorial Board Member**, *International Journal of Computers and Applications*, (Since 2004).

PhD students supervised:

1. P. Membrey. In progress.
2. Y.W. Tung. In progress.
3. W.W.M. Lam. Completed 2010.
4. S.S.Y. Wong. Completed 2009.
5. K.M. Lui. Completed 2006.
6. P.C.H. Ma. Completed 2006.
7. W.H. Au. Completed 2005.

MPhil students supervised:

1. G. Wu, In progress.
2. W. Luo, In progress.
3. K.S.Y. Chiu. Completed 2008.
4. E.M.H. Lee. Completed 2008.
5. S. Lee. Completed 2007.

6. C. Ng. Completed 2002.
7. L.M.L. Chung. Completed 2001.
8. L.L.H. Chung. Completed 2000.
9. C.Y. Yan. Completed 1999.
10. W.H. Au. Completed 1998.
11. V. Lee. Completed 1998.

Publications:

Books

1. Lui, K., and Chan, K.C.C. *Software Development Rhythm: Harmonizing Software Practices for Synergy*, Wiley-Interscience, New York, NY. 2008. (310 pages). ISBN: 978-0-470-07386-5.
2. Lui, K., Chan, K.C.C., and Li, M., *Chinese Translation of Extreme Programming Explained: Embrace Change (2nd Edition) by Kent Beck*, Electronics Industry Publishing Company, Beijing, China, 2006. (301 pages) (In Chinese). ISBN 7-121-02529-9.
3. Lui, K., Chan, K.C.C., and Li, M., *Facts and Fictions in Extreme Programming Practices*, Electronics Industry Publishing Company, Beijing, China, 2005 (356 pages) (In Chinese). ISBN 7-121-00657-X.
4. Lui, K., Chan, K.C.C., and Li, M., *CMM: Software Development Process Management and Improvement*, Tsinghua University Press, Beijing, China, 2002. (127 pages) (In Chinese). ISBN 7-302-05739-7.

Edited Book

5. Gavrilova, M., Tan, C.J.K., Wang, Y., and Chan, K.C.C. (Eds), *Transactions on Computational Science V: Special Issue on Cognitive Knowledge Representation*, LNCS 5540, Springer, 2009. (237 pages). ISBN 978-3-642-02096-4.

Selected Journal articles

6. Lam, W.W.M., and Chan, K.C.C., "Discovering Functional Interdependency Relationship in PPI Networks for Protein Complex Identification," *IEEE Transactions on Biomedical Engineering*. (Accepted).
7. Ma, P.C.H., and Chan, K.C.C., "Incremental Fuzzy Mining of Gene Expression Data for Gene Function Prediction." *IEEE Transactions on Biomedical Engineering* (To appear).
8. Wong, S.Y., Luo, W., and Chan, K.C.C., "EvoMD: An Algorithm for Evolutionary Molecular Design," *IEEE/ACM Transactions on Computational Biology and Bioinformatics* (To appear).
9. Lam, W.W.M., Chan, K.C.C., Wong, A.K.C. and Chiu, D.K.Y., "A Graph-Based Algorithm for Mining Multi-Level Patterns in Genomic Data," *Journal of Bioinformatics and Computational Biology*. Vol. 8, No. 5, 2010, pp.789-807.
10. Lam, W.W.M., and Chan, K.C.C., "Discovering Interesting Molecular Substructures for Molecular Classification," *IEEE Transactions on Nanobiosciences* (Accepted).
11. Hu, L., Lui, K., and Chan, K.C.C., "Discovering Pattern Associations in Hang Seng Index Constituent Stocks," *International Journal of Economics and Finance*, Vol. 2, No.2, 2010, pp. 43-52.
12. Tung, Y.W., and Chan, K.C.C., "A Unified Human-Computer Interaction Requirements Analysis Framework for Complex Socio-Technical Systems," *International Journal of Human-Computer Interaction*, Vol., 26, No. 1, 2010, pp.1-21.
13. Ma, P.C.H., and Chan, K.C.C., "An Iterative Data Mining Approach for Mining Overlapping Coexpression Patterns in Noisy Gene Expression Data." *IEEE Transactions on Nanobiosciences*, Vol. 8, No., 3, Sept., 2009, pp.252-258.
14. Wong, S.S.Y., and Chan, K.C.C., "EvoArch: An evolutionary Algorithm for Architectural Layout Design," *CAD Computer-Aided Design*, Vol. 41, No. 9, 2009, pp.649-667.

15. Ma, P.C.H., and Chan, K.C.C., "A Novel Approach for Discovering Overlapping Clusters in Gene Expression Data." *IEEE Transactions on Biomedical Engineering*, Vol. 56, No., 7, July, 2009, pp.1803-1809.
16. Zhang, L., Leung, H., and Chan, K.C.C., "Information Fusion Based Smart Home Control System and Its Application," *IEEE Transactions on Consumer Electronics*, Vol. 54, No. 3, Aug., 2008, pp.1157-1165.
17. Lui, K., and Chan, K.C.C., "Software Process Fusion by Combining Pair and Solo Programming," *IET Software*, Vol. 2, No. 4, 2008, pp. 379-390.
18. Wong, A.K.C., Au, W.H., and Chan, K.C.C., "Discovering High-Order Patterns of Gene Expression Levels." *Journal of Computational Biology*. Vol. 15, No. 6, 2008, pp. 635-637.
19. Ma, P.C.H., and Chan, K.C.C., "UPSEC: An Algorithm for Classifying Unaligned Protein sequences into Functional Families." *Journal of Computational Biology*. Vol. 15, No. 5, 2008, pp. 431-443.
20. Lui, K., Chan, K.C.C., and Nosek, J.T, "The Effect of Pairs in Program Design Tasks," *IEEE Transactions on Software Engineering*, Vol. 34, Iss. 2, 2008, pp. 197-211.
21. Ma, P.C.H., and Chan, K.C.C., "Inferring gene regulatory networks from expression data by discovering fuzzy dependency relationships." *IEEE Transactions on Fuzzy Systems*, Vol. 16, Iss. 2, 2008, pp. 455-465.
22. Pellicer, S., Chen, G., Chan, K.C.C., and Pan, Y., "Distributed Sequence Alignment Applications for the Public Computing Architecture," *IEEE Transactions on NanoBioscience*, Vol. 7, Iss. 1, 2008, pp. 35-43.
23. Lui, K.M., and Chan, K.C.C., "Rescuing Troubled Software Projects by Team Transformation: A Case Study with an ERP Project," *IEEE Transactions on Engineering Management*. Vol. 55, No. 1, Feb., 2008, pp 171-184.
24. Ma, P.C.H., and Chan, K.C.C., "An Effective Data Mining Technique for Reconstructing Gene Regulatory Networks from Time Series Expresson Data." *Journal of Bioinformatics and Computational Biology*. Vol. 5, No. 3, June, 2007, pp. 651-668.
25. Au, W.H., Chan, K.C.C. and Wong, A.K.C., "A Fuzzy Approach to Partitioning Continuous Attributes for Classification." *IEEE Transaction on Knowledge and Data Engineering*. Vol. 18, No. 5, 2006, pp.715-719.
26. Ma, P.C.H., K.C.C. Chan, Xin Yao and D.K.Y. Chiu, "An evolutionary clustering algorithm for gene expression microarray data analysis," *IEEE Transactions on Evolutionary Computation*, Vol. 10, No. 3, 2006, pp. 296-314.
27. Lau, T.W., Hui, P.C.L., Ng, S.F., and Chan, K.C.C., "A New Fuzzy Approach to Improve Fashion Product Development," *Computers in Industry*. Vol. 57, No. 1, Januray, 2006, pp.82-92.
28. Lui, K.M., and Chan, K.C.C., "Pair Programming Productivity: Novice-Novice vs. Expert-Expert," *International Journal of Human-Computer Studies* (formerly known as *International Journal of Man-Machine Studies*), Vol. 64, 2006, pp. 915-925
29. Au, W.H., Chan, K.C.C. Wong, A.K.C., and Yang, W., "Attribute Clustering for Grouping, Selection and Classification of Gene Expression Data." *IEEE/ACM Transactions on Computational Biology and Bioinformatics*. Vol.2, No. 2, April-June, 2005, pp.83-101.
30. Hui, C.L., Lau, T.W., Ng, S.F., and Chan, K.C.C., "Learning-based Fuzzy Color Prediction System for More Effective Apparel Design," *International Journal of Clothing Science & Technology*. Vol. 17, no. 5, 2005.
31. Lui, K.M., and Chan, K.C.C., "Capability Maturity Model, SAP, and A Universal ERP Implementation Model," *International Journal of Enterprise Information Systems*, Vol 1, No. 3, 2005. pp.69-95.
32. Ma, C.H., Chan, K.C.C., and Chiu, D.K.Y., "Clustering and Re-clustering for Pattern Discovery in Gene Expression Data." *Journal of Bioinformatics and Computational Biology*, Vol. 3 No. 2, April, 2005, pp. 281-302
33. Au, W.H., and Chan, K.C.C. "Mining Changes in Association Rules: A Fuzzy Approach", *Fuzzy Sets and Systems*. Vol. 149, No. 1, Jan., 2005, pp. 87-104.

34. Hui, C.L., Lau, T.W., Ng, S.F. and Chan, K.C.C., "Neural network Prediction of Human Psychological Perception of Fabric Hand," *Textile Research Journal*. Vol. 74, No. 5, 2004, pp. 375-383.
35. Leung, H.K.N., and Chan, K.C.C., "Implementing Automated Testing", *Annals of Cases on Information Technology*, Vol. 6, 2004, pp. 508-521.
36. Au, W.H. and Chan, K.C.C., "Discovering Fuzzy Association Rules in A Bank Database", *IEEE Transactions on Fuzzy Systems*, Vol. 11, No. 2, 2003, pp. 238-248.
37. Au, W.H., Chan, K.C.C., and Yao, X., "A Novel Evolutionary Data Mining Algorithm with Applications to Churn Modeling", *IEEE Transactions on Evolutionary Computation*, Vol. 7, No. 6, December, 2003, pp. 532-545.
38. Liang, S., Li, M., Leung, H.K.N., and Chan, K.C.C., "A simulation-driven Performance Testing Method for Web Applications," *Journal of Computer Research and Development (In Chinese)*, Vol. 40, No. 7, July, 2003, pp. 1069-1080. (In Chinese).
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