

99年3月通過學術審查

90學年度入學(博七)

Journal Paper

1. **Hsiao-Ping Lee**, Tzu-Fang Sheu and Chuan-Yi Tang, “A Parallel and Incremental Algorithm for Efficient Unique Signature Discovery on DNA Databases,” *BMC Bioinformatics* (SCI 2008 **Impact Factor = 3.78, 3/29** in subject categories MATHEMATICAL & COMPUTATIONAL BIOLOGY). Accepted.
2. Tzu-Fang Sheu, Nen-Fu Huang, and **Hsiao-Ping Lee**, “In-depth Packet Inspection Using a Hierarchical Pattern Matching Algorithm,” *IEEE Transactions on Dependable and Secure Computing*, Oct. 2008. (EI, SCI 5-Year **Impact Factor=1.915, 14/84** in subject categories COMPUTER SCIENCE, SOFTWARE ENGINEERING)
3. Tzu-Fang Sheu, Nen-Fu Huang, and **Hsiao-Ping Lee**, “A Hierarchical Multi-pattern Matching Algorithm for Network Content Inspection,” *Information Sciences*, Mar. 2008. (EI, SCI (2008 **Impact Factor = 2.147**), 8/99 in the subject categories COMPUTER SCIENCE, INFORMATION SYSTEMS)
4. **Hsiao-Ping Lee**, Tzu-Fang Sheu, Yin-Te Tsai and Chuan-Yi Tang, “Finding Homologous Sequences in Genomic Databases,” *Journal of Computers*, Special issue on Bioinformatics and Computational Biology, Vol. 18, No. 3, Oct. 2007.

Conference Paper

1. **Hsiao-Ping Lee**, Tzu-Fang Sheu and Chuan-Yi Tang, “An Incremental Algorithm for Efficient Unique Signature Discoveries on DNS Databases,” to appear in the *Proceedings of the 25th ACM Symposium on Applied Computing (SAC 2010)*. (EI) (Acceptance rate 26%)
2. Tzu-Fang Sheu, Nen-Fu Huang, and **Hsiao-Ping Lee**, “A Time and Memory Efficient String Matching Algorithm for Intrusion Detection Systems,” *Proceedings of IEEE Global Telecommunications Conference (IEEE GLOBECOM'06)*, San Francisco, USA, November 2006, pp. 1-5. (EI)
3. Tzu-Fang Sheu, Nen-Fu Huang, and **Hsiao-Ping Lee**, “A Novel Hierarchical Matching Algorithm for Intrusion Detection Systems,” *Proceedings of IEEE Global Telecommunications Conference (IEEE GLOBECOM'05)*, St. Louis, Missouri, USA, November 2005, Vol. 3, pp. 5-10. (EI)
4. **Hsiao-Ping Lee**, Tzu-Fang Sheu, Yin-Te Tsai, Chin-Hua Shih and Chuan-Yi Tang. “Efficient Discovery of Unique Signatures on Whole-genome EST Databases,” *Proceedings of the 20th ACM Symposium on Applied Computing (SAC 2005)*, pp. 100-104. (EI) (Acceptance rate: 35%)

5. **Hsiao-Ping Lee**, Yin-Te Tsai, Chuan-Yi Tang, Ching-Hua Shih and Tzu-Fang Sheu, "A Seriate Coverage Filtration Approach for Homology Search," *Proceedings of the 19th ACM Symposium on Applied Computing (SAC 2004)*, pp. 180-184. **(EI)**
6. **Hsiao-Ping Lee**, Tzu-Fang Sheu, Yin-Te Tsai, Chin-Hua Shih and Chuan-Yi Tang, "An Efficient Algorithm for Unique Signature Discovery on Whole-Genome EST Databases," *Proceedings of the 3rd IEEE Computational Systems Bioinformatics Conference (CSB2004)*, pp. 650-651. **(EI)** (ISBN13: 9780769521947)
7. **Hsiao-Ping Lee**, Yin-Te Tsai, Ching-Hua Shih, Tzu-Fang Sheu and Chuan-Yi Tang, "An IDC-based Algorithm for Efficient Homology Filtration with Guaranteed Seriate Coverage," *Proceedings of the IEEE Fourth Symposium on Bioinformatics and Bioengineering (BIBE2004)*, page 395-402, 2004. **(EI)** (ISBN13:9780769521732)
8. **Hsiao-Ping Lee**, Yin-Te Tsai, Ching-Hua Shih, Tzu-Fang Sheu and Chuan-Yi Tang, "A Novel Approach for Efficient Query of Single Nucleotide Variation in DNA Databases," *The Eighth Annual International Conference on Research in Computational Molecular Biology (RECOMB 2004)*, Poster, San Diego, March, 2004. **(EI)**

99年3月通過學術審查

93 學年度入學(博六)

1. Hui-Ching Hsieh, Jenq-Shiou Leu, and Wei-Kuan Shih, "A Fault-Tolerant Scheme for an Autonomous Local Wireless Sensor Network," accepted by *Computer Standards & Interfaces* (CSI), Elsevier. [SCI]
2. Hui-Ching Hsieh, Jenq-Shiou Leu and Wei-Kuan Shih, "Reaching Consensus Underlying an Autonomous Local Wireless Sensor Network," *International Journal of Innovative Computing, Information and Control* (IJICIC), Vo1. 6, No. 4, pp. 1905-1914, Apr. 2010. [SCIE]
3. Jenq-Shiou Leu, Hui-Ching Hsieh, and Yen-Chiu. Chen, "Inexpensive High Availability Solutions for the SIP-based VoIP Service", accept by *Multimedia Tools and Applications* (MTAP), Springer. [SCI]
4. Hui-Ching Hsieh, Jenq-Shiou Leu, and Wei-Kuan Shih, "Improving Robustness in an Autonomous Local Sensor Network," *the 2010 IEEE Consumer Communications and Networking Conference* (IEEE CCNC 2010), Las Vegas, NV, USA, Jan. 9-12 2010. [EI]
5. Hui-Ching Hsieh, Jenq-Shiou Leu, and Wei-Kuan Shih, "Improving Fault-Tolerant Scheme for a Time-Sensitive Autonomous Local Wireless Sensor Network", *the International Conference on Mobile Technology, Applications and Systems 2008* (ACM Mobility Conference 2008), Yilan, Taiwan, September 10-12, 2008. [EI]
6. Jenq-Shiou Leu, and Hui-Ching Hsieh, "An Autonomous Wireless Sensor Network with Fault Resilience," *the 4th IEEE International Conference on Wireless and Mobile Computing, Networking and communication* (WiMob 2008), Avignon, France, October 12-14, 2008. [EI]
7. Hui-Ching Hsieh, Jenq-Shiou Leu, Yen-Chiu. Chen, and Wei-Kuan Shih, "Fault Detecting Scheme for Unstructured P2P Network Systems," *the IADIS International Conference on Wireless Applications and Computing 2008* (IADIS WAC 2008), Amsterdam, The Netherlands, July 22-24, 2008. [EI]
8. Jenq-Shiou Leu, Hui-Ching Hsieh, Yen-Chiu. Chen, and Yuan-Po Chi, "Design and Implementation of a Low Cost DNS-based Load Balancing Solution for the SIP-based VoIP Service", *2008 IEEE Asia-Pacific Services Computing Conference* (IEEE APSCC 2008), pp.310-314, Yilan, Taiwan, December 9-12, 2008. [EI]