年　　級：博七 （95入）

著作列表

Journal Papers

1. **Ssu-Hsuan Lu**, Kuan-Ching Li, Kuan-Chou Lai, and Yeh-Ching Chung, "Effectiveness of a Replica Mechanism to Improve Availability with Arrangement Graph-Based Overlay," to appear in *Journal of Network and Computer Applications*. **[SCI, EI, Impact Factor: 1.467 (2012), 5-Year Impact Factor: 1.251; rank 11/50 in COMPUTER SCIENCE, HARDWARE & ARCHITECTURE; rank 24/105 in COMPUTER SCIENCE, SOFTWARE ENGINEERING; rank 44/100 in COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS]** available online: 1 December 2013, DOI information: 10.1016/j.jnca.2013.11.005**.**

2. **Ssu-Hsuan Lu**, Kuan-Ching Li, Kuan-Chou Lai, and Yeh-Ching Chung, "A Scalable P2P Overlay Based on Arrangement Graph with Minimized Overhead," to appear in *Peer-to-Peer Networking and Applications*. **[SCI, EI, Impact Factor: 0.365 (2012), 5-Year Impact Factor: 0.591; rank 67/78 in TELECOMMUNICATIONS; rank 117/132 in COMPUTER SCIENCE, INFORMATION SYSTEMS]** published online 18 September 2013**.**

3. **Ssu-Hsuan Lu**, Yu-Wei Chan, Kuan-Ching Li, Kuan-Chou Lai, and Yeh-Ching Chung, "A Prediction System Using a P2P Overlay Network for a Bus Arrival System," to appear in *Journal of Applied Mathematics*. **[SCI, EI, Impact Factor: 0.834 (2012); rank 104/247 in MATHEMATICS, APPLIED].**

4. Hsiao-Hsi Wang, Kuan-Ching Li, **Ssu-Hsuan Lu**, Chun-Chieh Yang, "Towards Implementation of a Novel Scheme for Data Prefetching on Distributed Shared Memory Systems," in *Journal of Supercomputing*, Vol. 47, No. 2, pp. 111-126, 2009. **[SCI, EI, Impact Factor: 0.917 (2012) , 5-Year Impact Factor: 0.867; rank 39/100 in COMPUTER SCIENCE, THEORY & METHODS; rank 28/50 in COMPUTER SCIENCE, HARDWARE & ARCHITECTURE; rank 143/243 in ENGINEERING, ELECTRICAL & ELECTRONIC]**

5. Hsiao-Hsi Wang, Kuan-Ching Li, **Ssu-Hsuan Lu**, Chun-Chieh Yang, Jean-Luc Gaudiot, "Design and Implementation of an Agent Home Scheme Strategy for

Prefetch-Based DSM Systems," in *International Journal of Parallel Programming (IJPP)*, Vol. 36, No. 6, pp. 521-542, 2008. **[SCI, EI, Impact Factor: 0.404 (2012), 5-Year Impact Factor: 0.477; rank 85/100 in COMPUTER SCIENCE, THEORY & METHODS, Google Scholar Citation: 1]**

6. Hsiao-Hsi Wang, Kuan-Ching Li, Kuo-Jen Wang, **Ssu-Hsuan Lu**, "On the Design and Implementation of an Effective Prefetch Strategy for DSM Systems," in *Journal of Supercomputing*, Vol. 37, No. 1, pp. 91-112, Springer, July 2006. **[SCI, EI, Impact Factor: 0.917 (2012) , 5-Year Impact Factor:0.867; rank 39/100 in COMPUTER SCIENCE, THEORY & METHODS; rank 28/50 in COMPUTER SCIENCE, HARDWARE & ARCHITECTURE; rank 143/243 in ENGINEERING, ELECTRICAL & ELECTRONIC; Google Scholar Citation: 6]**

Conference Papers

1. **Ssu-Hsuan Lu,** Kuan-Ching Li, Kuan-Chou Lai, Yeh-Ching Chung, "An Overlay Network Based on Arrangement Graph with Fault Tolerance," *Proceedings of Mobile, Ubiquitous, and Intelligent Computing (MUSIC 2013)*, Lecture Notes in Electrical Engineering (LNEE) 274, Korea, Sep. 2013, pp. 577-583. (EI)

2. **Ssu-Hsuan Lu,** Yu-Wei Chan, Kuan-Ching Li, Kuan-Chou Lai, Yeh-Ching Chung, "An Efficient Bus Arrival Prediction System Using P2P Overlay Network," *Proceedings of The FTRA 9th International Symposium on Wireless sensor network Technologies and Applications for Smart Space (WTA 2013)*, Korea, Sep. 2013, pp. 82-89. (EI)

3. **Ssu-Hsuan Lu,** Kuan-Ching Li, Kuan-Chou Lai, Yeh-Ching Chung, "Arrangement Graph-Based Overlay with Replica Mechanism for File Sharing," *Proceedings of 12th International Symposium on Pervasive Systems, Algorithms and Networks (ISPAN),* San Marcos, USA, Dec. 2012, pp. 192-200. (EI)

4. **Ssu-Hsuan Lu,** Kuan-Chou Lai, Kuan-Ching Li, Yeh-Ching Chung, "Design and analysis of arrangement graph-based overlay systems for information sharing," *Proceedings of 2011 IEEE GLOBECOM Workshops (GC Wkshps),* Houston, USA, Dec. 2011, pp. 668-672. **[Google Scholar Citation: 2]**

5. **Ssu-Hsuan Lu**, Kuan-Chou Lai, Don-Lin Yang, Ming-Hsin Tsai, Kuan-Ching Li,

Yeh-Ching Chung, "Pervasive Health Service System: Insights on the Development of a Grid-based Personal Health Service System," *Proceedings of 12th IEEE International Conference on e-Health Networking Applications and Services (Healthcom)*, Lyon, France, July 2010, pp. 61-67. **[Google Scholar Citation: 5]**

6. Meng-Ru Lin, **Ssu-Hsuan Lu,** Tsung-Hsuan Ho, Peter Lin, and Yeh-Ching Chung, "CFR: A Peer-to-Peer Collaborative File Repository System," *Proceedings of International Conference on Grid and Pervasive Computing (GPC)*, Lecture Notes in Computer Science (LNCS) 4459, France, May 2007, pp. 100-111. **[Google Scholar Citation: 2]**

7. Meng-Ru Lin, Yeh-Ching Chung, **Ssu-Hsuan Lu**, "CFR: A Peer-to-Peer Collaborative File Repository System," *Proceedings of the Third Workshop on Grid Technologies and Applications*, Dec. 7-8, 2006, pp. 77-84.

8. Chun-Chieh Yang, **Ssu-Hsuan Lu**, Hsiao-Hsi Wang, Kuan-Ching Li, "On Design and Implementation of Adaptive Data Classification Scheme for DSM Systems," *International Symposium on Parallel and Distributed Processing and Applications (ISPA 2006)*, LNCS 4330, M. Guo, L.T. Yang, B. Di Martino, H.P. Zima, J. Dongarra, F. Tang (Eds.), Springer, Italy, December 4-7, 2006 , pp. 794-805. (SCIE) **[Acceptance rate: 28%]**

In progress of submission

1. **Ssu-Hsuan Lu**, Kuan-Ching Li, Kuan-Chou Lai, and Yeh-Ching Chung, "A Dynamic Enhanced Arrangement Graph-Based Overlay with an Adjustable System Scale," aims to submit to *IEEE/ACM Transactions on Networking*.