

101 年 5 月 通過 學術審查

95 學年度入學 (博七)

Journal Publications

1. **Tung-Ying Lee**, Tzu-Shan Chang, Chen-Hao Wei, Shang-Hong Lai, Kai-Che Liu, and Hurng-Sheng Wu, "Automatic Distortion Correction of Endoscopic Images Captured with Wide-Angle Zoom Lens," accepted to *IEEE Transactions on Biomedical Engineering*. (SCI, 2011's IF: **2.278** Ranking: ENGINEERING, BIOMEDICAL: 22/72) [<http://dx.doi.org/10.1109/TBME.2013.2261816>]
2. Yi-Ling Chen, **Tung-Ying Lee**, Bing-Yu Chen and Shang-Hong Lai, "Bipartite Polar Classification for Surface Reconstruction," *Computer Graphics Forum*, Nov. 2011. (It is presented in Pacific Graphics (PG 2011))(SCI, 2011's IF: **1.636** Ranking: COMPUTER SCIENCE, SOFTWARE ENGINEERING: 15/104)

Conference Publications

1. **Tung-Ying Lee**, Hong-Ren Su, Shang-Hong Lai, and Ti-chiun Chang, "Compensation of Motion Artifacts in MRI via Graph-Based Optimization," In Proceedings of IEEE Conference on Computer Vision and Pattern Recognition (CVPR 2009), Jun. 2009. (Top conference in CS/AI: Acceptance Rate: 26.2% (383/1464)) (EI)
2. **Tung-Ying Lee**, Chen-Hao Wei, Shang-Hong Lai, and Ruen-Rone Lee, "Real-Time Correction of Wide-Angle Lens Distortion for Images with GPU Computing," In Proceedings of IEEE Asia Pacific Conference on Circuits and Systems (APCCAS 2012), Dec. 2012. (EI)
3. **Tung-Ying Lee**, Tzu-Shan Chang, Shang-Hong Lai, Kai-Che Liu, and Hurng-Sheng Wu, "Wide-Angle Distortion Correction by Hough Transform and Gradient Estimation," In Proceedings of Visual Communications and Image Processing (VCIP 2011), Nov. 2011. (EI)
4. **Tung-Ying Lee**, Tsung-Yu Lin, Szu-Hao Huang, Shang-Hong Lai, and Shang-Chih Hung, "People Localization in a Camera Network Combining Background Subtraction and Scene-Aware Human Detection," In Proceedings of International Multi-Media Modeling Conference (MMM 2011), Jan. 2011. (EI)
5. **Tung-Ying Lee** and Shang-Hong Lai, "3D Non-rigid Registration for MPU Implicit Surfaces," In CVPR'08 Workshop on Non-Rigid Shape Analysis and Deformable Image Alignment (NORDIA 2008), Jun. 2008. (EI)
6. Hong-Ren Su, **Tung-Ying Lee**, Shang-Hong Lai, and Ti-chiun Chang, "MRI motion

artifact correction based on spectral extrapolation with generalized series,” In Proceedings of IEEE International Conference on Image Processing (ICIP 2010), Sep. 2010. (EI)

7. Yen-Hao Chiao, **Tung-Ying Lee**, and Shang-Hong Lai, “ROLLING SHUTTER CORRECTION FOR VIDEO WITH LARGE DEPTH OF FIELD,” In Proceedings of IEEE International Conference on Image Processing (ICIP 2012), Sep. 2012. (EI)
8. Chia-Ming Cheng, Hsiao-Wei Chen, **Tung-Ying Lee**, Shang-Hong Lai, and Ya-Hui Tsai, “Robust 3D object pose estimation from a single 2D image,” In Proceedings of Visual Communications and Image Processing (VCIP 2011), Nov. 2011. (EI)
9. Yi-Ling Chen, Shang-Hong Lai, and **Tung-Ying Lee**, “Generalized MPU Implicits Using Belief Propagation,” In Proceedings of the Sixth International Conference on 3-D Digital Imaging and Modeling (3DIM 2007), Sep. 2007. (EI)
10. **Tung-Ying Lee** and Shang-Hong Lai, “An ICP-Based Approach to Retrieving Similar 3D Face Models,” In SHREC 2007 3D face models track paper, SMI 2007, Jun. 2007.
11. **Tung-Ying Lee**, “Predicting User's Behavior by the Frequent Items,” In Proceedings of the ECML/PKDD'2007 Discovery Challenge, Sep. 2007.
12. **Tung-Ying Lee**, Ming-Hsuan Lin, and Shang-Hon Lai, “Disparity Adaptation of Stereoscopic Media with Structure Preserving by Using Layer Homography Transformation,” to be submitted to Pacific Graphics 2013.

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Journal Papers

1. **Xuan-Yi Lin** and Yeh-Ching Chung, "Master-Worker Model for MapReduce Paradigm on the TILE64 Many-core Platform," *Future Generation Computer Systems*, Elsevier. Accepted for publication on 07 May 2013, available online 16 May 2013.
2. **Xuan-Yi Lin**, Kuan-Chou Lai, Kuan-Ching Li and Yeh-Ching Chung, "Efficient Programming Paradigm for Video Stream Processing on the TILE64 Platform," *The Journal of Supercomputing*, Springer. Published online: 24 January 2013.
3. Jiazheng Zhou, **Xuan-Yi Lin**, and Yeh-Ching Chung, "Hardware Supported Multicast in Fat-Tree-Based InfiniBand Networks," *The Journal of Supercomputing*, Springer, Vol. 40, No. 3, June 2007, pp. 333-352.

Conference Papers

1. **Xuan-Yi Lin**, Kuan-Chou Lai, Shau-Yin Tseng, Kuan-Ching Li, and Yeh-Ching Chung, "An Efficient Programming Paradigm for Shared-Memory Master-Worker Video Decoding on TILE64 Many-Core Platform," *Proceedings of IEEE of International Conference on Parallel Processing (ICPP)*, Taipei, Taiwan, September 2011, pp. 414-423.
2. **Xuan-Yi Lin**, Chung-Yu Huang, Pei-Man Yang, Tai-Wen Lung, Shau-Yin Tseng, and Yeh-Ching Chung, "Parallelization of Motion JPEG Decoder on TILE64 Many-core Platform", *Proceedings of The 2nd Russia-Taiwan Symposium on Methods and Tools of Parallel Programming Multicomputers (MTPP 2010)*, *Lecture Notes in Computer Science (LNCS)* 6083, Vladivostok, Russia, May 2010, pp. 59-68.
3. Yu-Hsun Lin, **Xuan-Yi Lin**, and Yeh-Ching Chung, "Reducing Leakage Power of JPEG Image on Asymmetric SRAM", *Proceedings of IEEE International Conference on Embedded and Ubiquitous Computing (EUC-09)*, Vancouver,

Canada, August 2009, Vol. 2, pp. 374-381.

4. Jer-Yu Hsu, Yan-Zu Wu, **Xuan-Yi Lin**, and Yeh-Ching Chung, "SCRF—A Hybrid Register File Architecture," *Proceedings of International Conference on Parallel Computing Technologies (PaCT)*, Lecture Notes in Computer Science (LNCS) 4671, Pereslavl-Zalessky, Russia, September 2007, pp. 525-536.
5. Jiazheng Zhou, **Xuan-Yi Lin**, and Yeh-Ching Chung, "A Tree-Turn Model for Irregular Networks," *Proceedings of IEEE International Symposium on Network Computing and Applications (NCA)*, USA, July 2006, pp. 11-18.
6. Hsien-Tin Kuo, Jiazheng Zhou, **Xuan-Yi Lin**, and Yeh-Ching Chung, "An Efficient and Low Overhead Random Forwarding Table Construction Method for Deadlock-Free Routing Algorithms," *Proceedings of IASTED International Conference on Parallel and Distributed Computing and Systems (PDCS)*, USA, November 2005, pp. 725-730.
7. **Jiazheng** Zhou, **Xuan-Yi Lin**, Chun-Hsien Wu, and Yeh-Ching Chung, "Multicast in Fat-Tree-Based InfiniBand Networks," *Proceedings of IEEE International Symposium on Network Computing and Applications (NCA)*, USA, July 2005, pp. 239-242.
8. **Xuan-Yi Lin**, Yeh-Ching Chung, and Tai-Yi Huang, "A Multiple LID Routing Scheme for Fat-Tree-Based InfiniBand Networks," *Proceedings of IEEE International Parallel and Distributed Processing Symposiums (IPDPS)*, USA, April 2004.

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Journal Papers

1. **Yu-Wei Chan**, Feng-Tsun Chien, Ronald Y. Chang, Min-Kuan Chang, and Yeh-Ching Chung, "Spectrum Sharing in Multi-Channel Cooperative Cognitive Radio Networks: A Coalitional Game Approach," *ACM/Springer Wireless Networks*, online February 2013. [**SCI, EI, JCR IF=0.520 (2011), 5-Year IF=0.912**]
2. **Yu-Wei Chan**, Tsung-Hsuan Ho, Po-Chi Shih, and Yeh-Ching Chung, "Malugo: A Peer-to-Peer Storage System," *International Journal of Ad Hoc and Ubiquitous Computing*, Vol. 5, No. 4, pp. 209-218, April 2010. [**SCI, EI, JCR IF=0.865 (2009), Google Scholar Citation: 3**]
3. **Yu-Wei Chan**, Chih-Han Lai, and Yeh-Ching Chung, "A Flexible Locality-Aware Peer-to-Peer Streaming System," *International Journal of Pervasive Computing and Communications*, Vol. 6, No. 1, January-March 2010, pp. 104-124. [**Scopus, Google Scholar Citation: 1**]

Conference Papers

1. **Yu-Wei Chan**, Ronald Y. Chang, Feng-Tsun Chien, Min-Kuan Chang, and Yeh-Ching Chung, "Coalitional Game Formulation for Multi-Channel Cooperative Cognitive Radio Networks," *IEEE GLOBECOM Workshop on Recent Advances in Cognitive Communications and Networking(RACCN)*, Houston, Texas, USA, Dec. 5-9, 2011, pp. 1010-1015. [**EI**]
2. Song-Wen Huang, **Yu-Wei Chan**, Feng-Tsun Chien, and Yeh-Ching Chung, "Efficient Resource Allocation in Cooperative Cognitive Radio Networks: A Coalitional Game Approach," *in the 2011 IET International Communication Conference on Wireless Mobile & Computing (CCWMC'11)*, Shanghai, China, Nov. 14-16, 2011, pp. 133-138. [**EI**]
3. Tsung-Hsuan Ho, **Yu-Wei Chan**, and Yeh-Ching Chung, "An Internet-based, Reliable and Scalable Peer-to-Peer Storage System," *in the 5th Workshop on Grid Technologies and Applications (WoGTA'08)*, Tainan, Taiwan, December 12-13,

2008.

4. Chih-Han Lai, Yu-Wei Chan, and Yeh-Ching Chung, "A Construction of Peer-to-Peer Streaming System Based on Flexible Locality-Aware Overlay Networks," in *the 3rd International Conference on Grid and Pervasive Computing (GPC), Lecture Notes in Computer Science (LNCS)*, Kunming, China, May 25-28, 2008, pp. 296-307. [EI, Google Scholar Citation: 4]
5. Tsung-Han Lin, Tsung-Hsuan Ho, Yu-Wei Chan, and Yeh-Ching Chung, "M-Ring: A Distributed, Self-Organized, Load-Balanced Communication Method on Super Peer Network," in *the International Symposium on Parallel Architectures, Algorithms, and Networks (I-SPAN'08)*, Sydney, Australia, May 7-9, 2008, pp. 59-64. [EI, Google Scholar Citation: 7]

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International Journal Papers:

1. **Cheng, T.F.**, Chang, C.C. and Wang, Z.H., (2010): “A Secure Protocol for Three-Party Authenticated Key Exchange with Provable Belief,” *International Journal of Information Sciences and Computer Engineering*, Vol. 1, No. 1, pp. 77-87, Feb. 2010.
2. Chang, C.C. and **Cheng, T.F.**, (2010): “A Robust and Efficient Smart Card Based Remote Login Mechanism for Multi-Server Architecture,” *International Journal of Innovative Computing, Information and Control (IJICIC)*, Vol. 7, No. 8, pp. 4589-4602, Aug. 2011. **(SCI, EI) [5-Year Impact Factor: 1.797] (Google scholar citation: 5)**
3. Chang, C.C., **Cheng, T.F.** and Wu, H.L., (2011): “An Authentication and Key Agreement Protocol for Satellite Communications,” accepted by *International Journal of Communication Systems*, Sep. 2012. **(SCI, EI) [5-Year Impact Factor: 0.373]**
4. Chang, C.C., **Cheng, T.F.** and Chen, W.Y., (2012): “A Novel Electronic English Auction System with a Secure On-shelf Mechanism,” *IEEE Transactions on Information Forensics and Security*, Vol. 8, No. 4, pp. 657-668, Apr. 2013. **(SCI, EI) [5-Year Impact Factor: 2.155] (19% rank in subject categories COMPUTER SCIENCE, THEORY & METHODS)**
5. Chang, C.C. and **Cheng, T.F.**, (2012): “A Provably Secure t -out-of- n Oblivious Transfer Mechanism Based on Blind Signature,” accepted by *Journal of Information Hiding and Multimedia Signal Processing*, May 2013. **(EI)**

International Conference Paper:

1. Chang, C.C., Lee, J.S. and **Cheng, T.F.**, (2008): “Security Design for Three-Party Encrypted Key Exchange Protocol Using Smart Cards,” *Proceedings of the second International Conference on Ubiquitous Information Management and Communication (ICUIMC 2008)*, Suwon, Korea, pp. 329-333, Jan. 2008. **(EI) [Acceptance Rate: 27%] (Google scholar citation: 6)**

Under Revision:

1. Chang, C.C. and **Cheng, T.F.**, (2012): “A Secure Diverse Ticket-sale System in a Distributed Cloud Environment,” submitted to *The Computer Journal*, Dec. 2012. (under revision, Apr. 2013) **(SCI, EI) [5-Year Impact Factor: 0.943]**

Submitted:

1. Chang, C.C. and **Cheng, T.F.**, (2012): “A Reliable Real-time Multicast Authentication Protocol with Provable Accuracy,” submitted to *Fundamenta Informaticae*, Mar. 2012.
2. Wang, Z.H., Yang, H.R., **Cheng, T.F.** and Chang, C.C., (2013): “A High-performance Reversible Data-hiding Scheme for LZW Codes,” submitted to *Journal of Systems and Software*, Jan. 2013.
3. Chang, C.C., Sun, C.Y. and **Cheng, T.F.**, (2013): “A Dependable Storage Service System in Cloud Environment,” submitted to *IEEE Transactions on Parallel and Distributed Systems*, Jan. 2013.
4. Chang, C.C., Harn, L. and **Cheng, T.F.**, (2013): “Notes on “Polynomial-based Key Management for Secure Intra-group and Inter-group Communication”,” submitted to *Security and Communication Networks*, Feb. 2013.
5. Chang, C.C., Chen, W.Y. and **Cheng, T.F.**, (2013): “A Secure RFID Mutual Authentication Protocol Conforming to EPC Class 1 Generation 2 Standard,” submitted to *Computer Standards & Interfaces*, Apr. 2013.

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Journal Papers:

1. **Shuai-Min Chen, Mu-En Wu, Hung-Min Sun, King-Hang Wang**, "CRFID: RFID System Adopting Cloud Database as Back-end Server," to appear in *Future Generation Computer Systems*. (SCI, Impact Factor:1.978, 5-year Impact Factor: 1.594)
2. Hung-Min Sun, **Shuai-Min Chen**, Chen-En Lu, and Cheng-Ta Yang, "Secure and Efficient Mobile RFID Authentication Protocol," *Journal of Computers*, vol. 20, no. 2, July 2009 (EI)

Conference Papers:

1. Hung-Min Sun, **Shuai-Min Chen**, and King-Hang Wang, "Cryptanalysis on the RFID ACTION Protocol," *SAM 2011, International Conference on Security and Management*, 2011.
2. Hung-Min Sun, Shih-Ying Chang, **Shuai-Min Chen**, and Chien-Chien Chiu, "An Efficient Rekeying Scheme for Multicast and Broadcast (M&B) in Mobile WiMAX," *Asia-Pacific Services Computing Conference, 2008. APSCC '08. IEEE* , pp.199--204, 9-12 Dec. 2008
3. Hung-Min Sun; **Shuai-Min Chen**; Yao-Hsin Chen, Heng-Jeng Chung, and I-Hung Lin, "Secure and Efficient Handover Schemes for Heterogeneous Networks," *Asia-Pacific Services Computing Conference, 2008. APSCC '08. IEEE* , pp.205--210, 9-12 Dec. 2008
4. Hung-Min Sun, Chen-En Lu, and **Shuai-Min Chen**, "An authentication protocol in mobile RFID environment," *TENCON 2007 - 2007 IEEE Region 10 Conference* , pp.1--4, Oct. 30 2007-Nov. 2 2007
5. Hung-Min Sun, Yue-Hsun Lin, **Shuai-Min Chen**, and Yi-Chung Shen, "Secure and Fast Handover Scheme Based on Pre-Authentication method for 802.16/WiMAX Infrastructure Networks," *TENCON 2007 - 2007 IEEE Region 10 Conference* , pp.1--4, Oct. 30 2007-Nov. 2 2007

6. Hung-Min Sun, **Shuai-Min Chen**, Yao-Hsin Chen, Heng-Jeng Chung, and I-Hung Lin, “A Fast Handover Scheme between WiFi and WiMAX Networks,” *International Computer Symposium 2008*
7. Hung-Min Sun, **Shuai-Min Chen**, Ying-Chu Hsiao, Yue-Hsun Lin, and Frank Chee-Da Tsai, “An Efficient and Secure Group Key Management for IEEE 802.16j Architecture,” *National Computer Symposium 2007*
8. 孫宏民, **陳帥名**, 林岳勳, 蕭英助, 沈誼中, “一個適用於 WiMAX 架構下之安全且快速之預先認證協定,” *The Third Workshop on Wireless Ad Hoc and Sensor Networks*, 2007
9. 孫宏民、**陳帥名**、陳耀鑫, “WiFi 與 WiMAX 之安全議題,” *CCISA*, March 2009
10. 孫宏民、**陳帥名**、蕭英助, “WiMAX 安全問題之研究,” *CCISA*, Sep. 2007

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92 學年度碩士入學，93 學年度上學期直升 (博七)

Journal Papers

1. A君, 共同作者, 共同作者, 共同作者, 共同作者and共同作者, "Application of Motif-based tools on evolutionary analysis of multipartite single-stranded DNA viruses" (Revising *PONE-D-13-04981R1* by **PLoS one**: SCI 5-Year Impact Factor : 4.537, Rank **Q1** 12/85 ~ 14.1%)
2. A君, 共同作者, 共同作者, 共同作者, 共同作者, 共同作者, 共同作者, 共同作者, "Comparative genomic analysis of mild strains of *Banana bunchy top virus*" (Reviewing *PHYTO-05-13-0115-R* by **Phytopathology** : SCI 5-Year Impact Factor : 2.924, Rank **Q1** 22/158 ~ 13.9%)
3. 共同作者, A君, 共同作者, 共同作者, 共同作者, 共同作者and共同作者, "An efficient RNA interference screening strategy for gene functional analysis," **BMC Genomics** 2012, 13:491 doi:10.1186/1471-2164-13-491 (SCI 5-Year Impact Factor : 4.328, Rank **Q1** 26/158 ~ 16.45%.)
4. 共同作者, 共同作者, 共同作者, A君 and共同作者 "A vicilin-like seed storage protein, PAP85, is involved in *Tobacco mosaic virus* replication" **J. Virol.** 2013 published ahead of print *JVI00268-13R1*. (SCI 5-Year Impact Factor: 5.324, Rank **Q1** 5/32 ~ 15.6 %.)
5. 共同作者, 共同作者, 共同作者, 共同作者, A君 and 共同作者 "A high-throughput virus-induced gene-silencing vector for screening transcription factors in virus-induced plant defense response in orchid." **Molecular Plant-Microbe Interactions** 2012 25(6):738-746. (SCI 5-Year Impact Factor: 4.762, Rank **Q1** 12/190 ~ 6.3 %.)
6. 共同作者, 共同作者, 共同作者, A君, 共同作者and共同作者 "Cymbidium mosaic potexvirus isolate-dependent host movement systems reveal two movement control determinants and the coat protein is the dominant" **Virology** 2009 388, 147-159. (SCI 5-Year Impact Factor: 3.249, Rank **Q2** 14/32 ~ 43.7 %.).

Book Chapter

1. 共同作者, A君 and 共同作者, "What we have learned from Studies of the

Differential Movement Mechanism of *Cymbidium Mosaic Virus*”, Book Chapter of “Orchid Biotechnology II”, Chapter 17, pp. 329-340, 2011, ISBN-10 981-4327-92-1

Conference Posters

1. A君; 共同作者; 共同作者; 共同作者 and 共同作者 “Elucidate the recombination relationships between genome components of *Banana bunchy top virus*” 29th Annual Meeting of American Society for Virology (**ASV 2010**)
2. 共同作者; A君; 共同作者; 共同作者; 共同作者 “Defective DNA associated with mild strains of *Banana bunchy top virus*” 29th Annual Meeting of American Society for Virology (**ASV 2010**)
3. 共同作者, A君, 共同作者, 共同作者, 共同作者 and 共同作者, “A hierarchical screening strategy for gene functional analysis using RNA interference,” 16th Annual International Conference on Research in Computational Molecular Biology (**RECOMB 2012**).

Others

「沒有察覺的戰爭」

A君 第五屆 2011 人與自然科普寫作桂冠獎

財團法人國立自然科學博物館文教基金會

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Journal Paper

1. **B君**, 共同作者, “Protein-protein interactions inferred from domain-domain interactions in genogroup II genotype 4 Norovirus sequences”, **International Journal of Genomics**, Volume 2013. (SCI, Impact Factor: 1.282)
2. **B君**, 共同作者, 共同作者, 共同作者, “Automated prediction of enzyme reactions based on the domain composition of a protein”, under reviewed by **Future Generation of Computer Systems -The International Journal of Grid Computing and eScience**, 2013 (SCI, EI, Impact Factor: 1.978)
3. **B君**, 共同作者, 共同作者, 共同作者, “Enzyme reaction annotation using cloud techniques”, under reviewed by **Journal of Biomedicine and Biotechnology**, 2013 (SCI, Impact Factor: 2.436)

Conference Paper

1. **B君**, 共同作者, 共同作者, 共同作者, “Automatic Prediction of Enzyme Functions from Domain Compositions Using Enzyme Reaction Prediction Scheme”, The 2012 International Conference on Biomedical Engineering and Biotechnology (iCBEB 2012), IEEE Computer Society, Macau, May 2012

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Journal

1. 共同作者, 共同作者, C君, 共同作者: "Performance evaluation of classifier ensembles in terms of diversity and performance of individual systems". Int. J. Pervasive Computing and communications 6(4): 373-403 (2010).
2. C君, 共同作者 and 共同作者: "Comparing System Selection Methods for the Combinatorial Fusion of Multiple Retrieval Systems". To appear in Journal of Interconnection Networks. (EI)

Conference

1. C君, 共同作者 and 共同作者: "A Comparative Study on the Combination of Multiple Retrieval Systems." Proceedings of I-SPAN'12. IEEE Computer Society Press, 169-181, San Marcos, Texas, USA. (EI)