

王尉任

著作目錄

期刊論文

1. Ridlo Sayyidina Auliya, Yen-Lin Lee, Chia-Ching Chen, Deron Liang, and Wei-Jen Wang* (2024, Apr). Analysis and prediction of virtual machine boot time on virtualized computing environments. *Journal of Cloud Computing*, Vol. 13, Article number: 80. (SCI, 72/158, COMPUTER SCIENCE, INFORMATION SYSTEMS). 本人為通訊作者。
2. Philip F. E. Adipraja, Chin-Chun Chang, Hua-Sheng Yang, Wei-Jen Wang*, Deron Liang (2024, Mar). Detecting Low-Yield Machines in Batch Production Systems Based on Observed Defective Pieces. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, DOI: 10.1109/TSMC.2024.3374393. (SCI, 4/82, AUTOMATION & CONTROL SYSTEMS). 本人為通訊作者。
3. Ida Wahyuni, Chin-Chun Chang*, Hua-Sheng Yang, Wei-Jen Wang, Deron Liang (2023, Sep). Multistage Parameter Optimization for Rule Generation in a Multistage Manufacturing Process. *IEEE Transactions on Industrial Informatics*, DOI: 10.1109/TII.2023.3312408. (SCI, 3/110, COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS).
4. Ridlo Sayyidina Auliya, Chia-Ching Chen, Po-Ru Lin, Deron Liang, Wei-Jen Wang* (2023, Aug). Optimization of message delivery reliability and throughput in a DDS-based system with per-publisher sending rate adjustment. *Telecommunication Systems*, vol. 84, pp. 235-250. (SCIE, 57/88, TELECOMMUNICATIONS). 本人為通訊作者。
5. Daniyal Rajput, Wei-Jen Wang, Chun-Chuan Chen (2023, Feb). Evaluation of a decided sample size in machine learning applications. *BMC Bioinformatics*, 24, Article number: 48. (SCIE, 19/55, MATHEMATICAL & COMPUTATIONAL BIOLOGY).
6. Anindita Suryarasmii, Chin-Chun Chang, Rania Akhmalia, Maysa Marshallia, Wei-Jen Wang, and Deron Liang (2022, Jul). FN-Net: A lightweight CNN-based architecture for fabric defect detection with adaptive threshold-based class determination. *Displays*, 73(24):102241. (SCIE, 15/63, INSTRUMENTS & INSTRUMENTATION).
7. Philip F. E. Adipraja, Chin-Chun Chang, Wei-Jen Wang*, Deron Liang (2022, Jan). Prediction of Per-batch Yield Rates in Production Based on Maximum

- Likelihood Estimation of Per-machine Yield Rates . *Journal of Manufacturing Systems*, Volume 62, Pages 249-262. (SCIE, 2/86, Operations Research & Management Science). MOST 105-2634-F-008-001. 本人為通訊作者.
8. Chun-Chuan Chen, Antonella Macerollo, Hoon-Ming Heng, Ming-Kuei Lu, Chon-Haw Tsai, Daniyal, Wei-Jen Wang, Jui-Cheng Chen (2021, Sep). Low-frequency oscillations in cortical level to help diagnose task-specific dystonia. *Neurobiology of Disease*, Volume 157, 2021, 105444. (SCI, 42/272, NEUROSCIENCES).
 9. Yen-Lin Lee, Deron Liang, and Wei-Jen Wang* (2021, Jul). Optimal Online Liveness Fault Detection for Multilayer Cloud Computing Systems. *IEEE Transactions on Dependable and Secure Computing*, vol. 19, no. 5, pp. 3464-3477. (SCIE, 6/108, COMPUTER SCIENCE, SOFTWARE ENGINEERING). MOST 108-2221-E-008-032-MY3. 本人為通訊作者.
 10. Yen-Lin Lee, Shinta Nuraisya Arizky, Yu-Ren Chen, Deron Liang and Wei-Jen Wang* (2021, Jan). High-Availability Computing Platform with Sensor Fault Resilience. *Sensors*, 21(2):542. (SCIE, 19/63, INSTRUMENTS & INSTRUMENTATION). MOST 108-2221-E-008-032-MY3. 本人為通訊作者.
 11. Chun-Chuan Chen*, Ju-Che Kuo, Wei-Jen Wang (2019, Apr). Distinguishing the Visual Working Memory Training and Practice Effects by the Effective Connectivity During n-back Tasks: A DCM of ERP Study. *Frontiers in Behavioral Neuroscience*, 13:84. doi: 10.3389/fnbeh.2019.00084. (SCIE, 16/52, BEHAVIORAL SCIENCES).
 12. Cheng-Ta Huang, Min-Yi Tsai, Li-Chiun Lin, Wei-Jen Wang, Shih-Jeng Wang* (2018, Sep). VQ-based data hiding in IoT networks using two-level encoding with adaptive pixel replacements. *The Journal of Supercomputing*, Volume 74, Issue 9, pp 4295–4314. (SCI, 37/111, COMPUTER SCIENCE, THEORY & METHODS). MOST 105-2221-E-008-070-MY2.
 13. Cheng-Ta Huang, Cheng-Hsing Yang, Wei-Jen Wang, Shiau-Rung Tsui, Shih-Jeng Wang* (2018, Aug). Raw reversibility of information hiding on the basis of VQ systems. *The Journal of Supercomputing*, Volume 74, Issue 8, pp 3748–3777. (SCIE, 37/111, COMPUTER SCIENCE, THEORY & METHODS).
 14. Cheng-Ta Huang, Yu-Hong Zhang, Li-Chiun Lin, Wei-Jen Wang, Shih-Jeng Wang* (2017, Oct). Mutual authentications to parties with QR-code applications in mobile systems. *International Journal of Information Security*, Volume 16, Issue 5, pp 525–540. (SCIE, 42/110, COMPUTER SCIENCE, THEORY & METHODS). MOST 105-2221-E-008-070-MY2.
 15. Chun-Chuan Chen*, Si-Huei Lee, Wei-Jen Wang, Yu-Chen Lin, Mu-Chun Su (2017, Jun). EEG-based motor network biomarkers for identifying target patients

- with stroke for upper limb rehabilitation and its construct validity. *PLOS ONE*, 12(6): e0178822. (SCIE, 26/73, MULTIDISCIPLINARY SCIENCES).
16. Shao-Jui Chen, Chia-Ching Chen, Hsiang-Lun Lu, Wei-Jen Wang* (2017, Mar). Efficient resource provisioning for virtual clusters on the cloud. *International Journal of Services Technology and Management*, Volume 23, Issue 1-2, pp. 52-63. (EI). 本人為通訊作者.
 17. Wei-Jen Wang, Cheng-Ta Huang, Shiau-Rung Tsuei, Shih-Jeng WANG (2016, Nov). A greedy steganographic SMVQ approach of greedy-USBIRDS using secret bits for image-block repairing based on differences. *Multimedia Tools and Applications*, Volume 75, Issue 22, pp 14895–14916. (SCIE, 29/110, COMPUTER SCIENCE, THEORY & METHODS). MOST 103-2221-E-008-089. 本人為第一作者.
 18. W.J. Wang, C.T. Huang, S.J. WANG* (2015, Jan). VQ-encoded images in reversible data hiding of high bit-compression-ratio. *Imaging Science Journal*, Volume 63, Issue 1, pp. 24-33. (SCI, 27/29, IMAGING SCIENCE & PHOTOGRAPHIC TECHNOLOGY). MOST 99-2218-E-008-012. 本人為第一作者.
 19. Wei-Jen Wang, Cheng-Ta Huang, Shih-Jeng WANG (2014, Dec). VQ-based Algorithms Extended to Non-embedded Watermarking for Multimedia Ownership Prevention Systems. *Peer-to-Peer Networking and Applications*, Volume 7, Issue 4, pp. 676-686 . (SCI, 37/91, TELECOMMUNICATIONS). nstc 101-2218-E-008-003. 本人為第一作者.
 20. Cheng-Hsien Tang, Meng-Feng Tsai, Shan-Hao Chuang, Jen-Jung Cheng, Wei-Jen Wang* (2014, May). Shortest-Linkage-Based Parallel Hierarchical Clustering on Main-Belt Moving Objects of the Solar System. *Future Generation Computer Systems-The International Journal of Grid Computing and eScience*, Volume 34, pp. 26-46. (SCI, 15/100, COMPUTER SCIENCE, THEORY & METHODS). nstc 101-2218-E-008-003. 本人為通訊作者.
 21. Tzu-Hao Chang, Shih-Lin Wu, Wei-Jen Wang, Jorng-Tzong Horng, Cheng-Wei Chang (2014, Jan). A novel approach for discovering condition-specific correlations of gene expressions within biological pathways by using cloud computing technology. *BioMed Research International*, Volume 2014, Article ID 763237, pp. 1-8. (SCI, 50/160, BIOTECHNOLOGY & APPLIED MICROBIOLOGY).
 22. Wei-Jen Wang, Yue-Shan Chang, Win-Tsung Lo, Yi-Kang Lee (2013, Nov). Adaptive Scheduling for Parallel Tasks with QoS Satisfaction for Hybrid Cloud Environments. *JOURNAL OF SUPERCOMPUTING*, Volume 66, Issue 2, pp. 783-811. (SCI, 39/100, COMPUTER SCIENCE, THEORY & METHODS). 本

人為第一作者。

23. Shiau-Rung Tsui, Cheng-Ta Huang, and Wei-Jen Wang* (2013, Oct). A New Adaptive Steganographic Method Based on Gradient Adjacent Prediction and Side-Match Vector Quantization. *Journal of Information Hiding and Multimedia Signal Processing*, Volume 4, Number 4, pp. 215-224. (SCIE). 本人為通訊作者。
24. Wei-Jen Wang, Cheng-Ta Huang, Chung-Min Liu, Po-Chyi Su, and Shih-Jeng WANG* (2013, Oct). Data Embedding for Vector Quantization Image Processing on the Basis of Adjoining State-Codebook Mapping. *INFORMATION SCIENCES*, Volume 246, Number 10, pp. 69–82. (SCI, 6/132, COMPUTER SCIENCE, INFORMATION SYSTEMS). nstc 101-2218-E-008-003. 本人為第一作者。
25. Wei-Jen Wang, I-Fan Hsieh, Chun-Chuan Chen* (2013, Jun). Accelerating Computation of DCM for ERP in MATLAB by External Function Calls to the GPU. *PLoS One*, Volume 8, Number 6: e66599, pp. 1-11. (SCI, 7/56, MULTIDISCIPLINARY SCIENCES). nstc 101-2218-E-008-003. 本人為第一作者。
26. Shao-Jui Chen, Jing-Ying Huang, Cheng-Ta Huang, Wei-Jen Wang*, (2013, Apr). SAMEVED: A System Architecture for Managing and Establishing Virtual Elastic Datacenters. *International Journal of Grid and High Performance Computing*, Volume 5, Number 2, pp. 27-42. (EI). nstc 99-2218-E-008-012. 本人為通訊作者。
27. Cheng-Ta Huang, Wei-Jen Wang, Cheng-Hsing Yang, Shih-Jeng Wang* (2013, Feb). A Scheme of Reversible Information Hiding Based on SMVQ. *Imaging Science Journal*, Volume 61, Number 2, pp. 195-203. (SCI, 18/23, IMAGING SCIENCE & PHOTOGRAPHIC TECHNOLOGY). nstc 99-2218-E-008-012.
28. Wei-Jen Wang* (2013, Feb). Conservative Snapshot-Based Actor Garbage Collection for Distributed Mobile Actor Systems. *Telecommunication Systems Journal*, Volume 52, Issue 2, pp. 647-660. (SCI, 37/78, TELECOMMUNICATIONS). nstc 98-2221-E-008-080. 本人為第一作者、通訊作者。
29. Yue-Shan Chang*, Wei-Jen Wang, Yung-Shuan Hung (2013, Jan). A Near Field Communication Driven Home Automation Framework. *Personal and Ubiquitous Computing*, Volume 17, Issue 1, pp 169-185. (SCI, 54/132, COMPUTER SCIENCE, INFORMATION SYSTEMS).
30. Wei-Jen Wang, Cheng-Ta Huang, S.W. Huang, Shih-Jeng WANG* (2012, Oct). Dual Hiding in QR Code Applications of Image Processing. *Journal of Information Management*, Volume 19, Issue 4, P.769-P.784. (TSSCI). nstc 99-2218-E-008-012. 本人為第一作者。

31. Wei-Jen Wang, Yue-Shan Chang*, Cheng-Hui Wu, Wei-Xiang Kang (2012, Jul). A Self-Adaptive Computing Framework for Parallel Maximum Likelihood Evaluation. *JOURNAL OF SUPERCOMPUTING*, Volume 61, Issue 1, P.67-P.83. (SCI, 39/100, COMPUTER SCIENCE, THEORY & METHODS). 本人為第一作者.
32. Cheng-Hsien Tang, Ting-Yuan Song, Meng-Feng Tsai*, Wei-Jen Wang (2012, Apr). Collecting Mobile-Agent Garbage Using Actor-Based Weighted Reference Counting. *Advanced Science Letters*, Volume 9, pages 157-161. (EI). nstc 100-2218-E-008-005.
33. Chun-Chuan Chen*, Stefan J. Kiebel, James M. Kilner, Nick S. Ward, Klaas E. Stephan, Wei-Jen Wang, K.J. Friston (2012, Jan). A Dynamic Causal Model for Evoked and Induced Responses. *Neuroimage*, 59(1), pages 340-348. (SCI, 3/120, RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING).
34. Wei-Jen Wang*, Yo-Ming Lo, Shao-Jui Chen, Yue-Shan Chang (2012, Jan). Intelligent Application Migration within a Self-Provisioned Hybrid Cloud Environment. *Lecture Notes in Electrical Engineering*, Volume 114, Part 1, Pages 295-303. (EI). nstc 100-2218-E-008-005. 本人為第一作者、通訊作者.
35. Min-Yi Tsai, Ping-Fang Chiang, Yen-Jan Chang, Wei-Jen Wang* (2011, Dec). Heuristic Scheduling Strategies for Linear-Dependent and Independent Jobs on Heterogeneous Grids. *Communications in Computer and Information Science*, Volume 261, pages 496-505. (EI). nstc 100-2218-E-008-005. 本人為通訊作者.
36. W.J. Wang, C.T. Huang, S.J. Wang* (2011, Dec). VQ Applications in Steganographic Data Hiding upon Multimedia-images. *IEEE Systems Journal*, Volume 5, Issue 4, pages 528-537. (SCI, 44/132, COMPUTER SCIENCE, INFORMATION SYSTEMS). nstc 99-2218-E-008-012. 本人為第一作者.
37. Fu-Hau Hsu*, Chang-kuo Tso, Yi-chun Yeh, Wei-Jen Wang, Li-Han Chen (2011, Aug). BrowserGuard: A Behavior-based Solution to Drive-by-Download Attacks. *IEEE Journal on Selected Areas in Communications*, Volume 29, issue 7, Pages 1461-1468. (SCI, 4/78, TELECOMMUNICATIONS).
38. C.H. Yang, W.J. Wang, C.T. Huang, S.J. Wang* (2011, Jun). Reversible Steganography Based on Side Match and Hit Pattern for VQ-Compressed Images. *Information Sciences*, Volume 181, Issue 11, Pages 2218-2230. (SCI, 6/132, COMPUTER SCIENCE, INFORMATION SYSTEMS). nstc 99-2218-E-008-012.
39. C.T. Huang, W.J. Wang, and S.J. Wang* (2011, Jun). A Novel Data Hiding and Reversible Scheme Using SMN Blocks in VQ-Compressed Images. *Opto-Electronics Review*, Volume 19, Issue 2, P.225-P.233. (SCI, 142/243, ENGINEERING, ELECTRICAL & ELECTRONIC). nstc 98-2221-E-008-080.

40. Cheng-Hsien Tang, Min-Feng Wang, Wei-Jen Wang*, Meng-Feng Tsai, Yuji Urata, Chow-Choong Ngeow, Induk Lee, Kuiyun Huang, Wen-Ping Chen (2010, May). Efficient Astronomical Data Classification on Large-Scale Distributed Systems. *Lecture Notes in Computer Science*, Volume 6104/2010, Pages 430-440. (EI).
41. Wei-Jen Wang*, Carlos Varela, Fu-Hau Hsu, Cheng-Hsien Tang (2010, May). Actor Garbage Collection Using Vertex-Preserving Actor-to-Object Graph Transformations. *Lecture Notes in Computer Science*, Volume 6104/2010, Pages 244-255. (EI). nstc 98-2221-E-008-080.
42. Wei-Jen Wang *, Carlos A. Varela (2006, May). Distributed Garbage Collection for Mobile Actor Systems: The Pseudo Root Approach. *Lecture Notes in Computer Science*, Vol 3947, P.360-372. (SCI).
43. 黃正達, 李佳軒, 翁浩宇, 王尉任 (2023年01月)。基於卷積神經網路與特徵機制之整合式網路入侵偵測告警系統。資訊安全通訊, Vol 29, No 3。

專書

1. Jehn-Ruey Jiang, Wei-Jen Wang, and Hsu-Yung Cheng. *Proceedings of the 11th Cross-Strait Information Technology*. Nov, 2009.

研討會論文

1. Jia-Jeng Lee, Chun-Chuan Chen*, Eric Hsiao-Kuang Wu, Shih-Ching Yeh, Wei-Jen Wang (2023, Jul). Using wearable sensors to study the brain-heart interactions during attentional and resting states. 2023 International Conference on Consumer Electronics - Taiwan (ICCE-Taiwan), PingTung, Taiwan.
2. Tzu-Chun Huang, Yong-Chang Lin, Yu-Chien Wu, Wei-Jen Wang, Deron Liang (2023, Jun). Production Scheduling and Delivery Date Arrangement for Single-Item Production. 2023 19th Taiwan Conference on Software Engineering (TCSE), Hualien, Taiwan.
3. Yu-Tzu Yao, Wei-Lun Dai, Wei-Jen Wang*, Deron Liang (2023, Apr). Using Block Filter Device for Acceleration of Storage Synchronization on Fault-tolerant Virtual Machines. 2023 9th International Conference on Applied System Innovation (ICASI), Chiba, Japan. nstc 111-2221-E-008-061. 本人為通訊作者.
4. Guan-Yu Wang, Hung-Jui Ko, Min-Yi Tsai and Wei-Jen Wang* (2022, Dec). Module Architecture of Docker Image and Container Security. International Computer Symposium (ICS 2022), National Taipei University of Business, Taoyuan, Taiwan . nstc 111-2221-E-008-061. 本人為通訊作者.

5. Hao-Yu Weng, Min-Yi Tsai, Wei-Jen Wang and Cheng-Ta Huang* (2022, Dec). High-Capacity Double-Layer Data Hiding Technique Based on 3D Magic Cube. International Computer Symposium (ICS 2022), National Taipei University of Business, Taoyuan, Taiwan. nstc 111-2221-E-008-061. (Best Paper Award).
6. Chun-Yu Chen, Wei-Jen Wang, Chun-Chuan Chen (2022, May). Multiclass Classification of EEG Motor Imagery Signals Based on Transfer Learning. 2022 8th International Conference on Applied System Innovation (ICASI), Nantou, Taiwan. MOST 108-2221-E-008-032-MY3.
7. Ida Wahyuni, Chin-Chun Chang, Wei-Jen Wang, Deron Liang (2021, Nov). Rice Semantic Segmentation Using Unet-VGG16: Case Study in Yunlin, Taiwan. the 2021 International Symposium on Intelligent Signal Processing and Communication Systems , Hualien, Taiwan.
8. Yenlin Lee, Ratri Abdatash Sholihah, Deron Liang and Wei-Jen Wang (2020, Dec). Resolving automatic high availability operations and users commands to virtual machines on OpenStack. International Computer Symposium 2020, Tainan, Taiwan. MOST 108-2221-E-008-032-MY3.
9. Chia-Ching Chen, Yeh-Lun Du, Shao-Jui Chen, Wei-Jen Wang (2018, Aug). Partitioning and Placing Virtual Machine Clusters on Cloud Environment. 2018 1st International Cognitive Cities Conference (IC3), Okinawa, Japan. MOST 107-2221-E-008-012. 本人為通訊作者.
10. Ridlo Savvidina Auliva, Ruev-Kai Sheu, Deron Liang, Wei-Jen Wang* (2018, Jun). IIoT Testbed: A DDS-Based Emulation Tool for Industrial IoT Applications. 2018 International Conference on System Science and Engineering (ICSSE), New Taipei, Taiwan. MOST 105-2221-E-008-070-MY2. 本人為通訊作者.
11. Daniyal, Wei-Jen Wang, Mu-Chun Su, Si-Huei Lee, Ching-Sui Hung, Chun-Chuan Chen (2018, Apr). A guideline to determine the training sample size when applying big data mining methods in clinical decision making. 2018 IEEE International Conference on Applied System Invention (ICASI), Chiba, Japan.
12. Shih-Chi Lin, Po-Hsuan Wu, Hsin-Tse Lu, Shang-Hao Chuang, Wei-Jen Wang (2018, Apr). Dynamic Throttling for IoT Streaming Hub Services on Multi-Tenant Cloud Environment. 2018 IEEE International Conference on Applied System Invention (ICASI), Chiba, Japan. 本人為通訊作者. (Best Paper Award).
13. Shao-Jui Chen, Hsueh-Wen Liu, Wei-Jen Wang (2017, Nov). A Fault Tolerance Mechanism for Semiconductor Equipment Monitoring. The 7th IEEE International Symposium on Cloud and Service Computing, Kanazawa, Japan. MOST 105-2221-E-008-070-MY2. 本人為通訊作者.
14. Chun-Yu Cheng, Zheng-jia Su, Chia-Ching Chen, Shao-Jui Chen, Wei-Jen

- Wang* (2017, May). Supporting software-defined HA clusters on OpenStack platform. Applied System Innovation (ICASI), 2017 International Conference on, Sapporo, Japan. MOST 105-2221-E-008-070-MY2. 本人為通訊作者. (First Paper Award).
15. Yen-Lin Lee, Min-Huang Ho, Aswin Suharsono, Yu-Chen Pan, Wei-Jen Wang, Deron Liang (2017, Feb). NCU-HA: A Lightweight HA System for Kernel-Based Virtual Machine. 2017 International Conference on Platform Technology and Service (PlatCon), Busan, Korea.
 16. Yung-Pin Cheng*, Deron Liang, Wei-Jen Wang (2016, Sep). KORAT — A platform independent test automation tool by emulating keyboard/mouse hardware signals. 2016 IEEE AUTOTESTCON, Anaheim, CA, USA.
 17. Chia-Ching Chen, Shao-Jui Chen, Fan Yin, Wei-Jen Wang (2015, Dec). Efficient Hybridizing Auto-Scaling for OpenStack Platforms. 2015 IEEE International Conference on Smart City/SocialCom/SustainCom together with DataCom 2015 and SC2 2015, Chengdu, China. MOST 104-2221-E-008-062. 本人為通訊作者.
 18. Hung-Lin Huang, Min-Huang Ho, Shao-Jui Chen, Yi-Feng Chen, Wei-Jen Wang (2015, Dec). A Dynamic Network Bandwidth Allocation Mechanism under Network QoS Constraints. 2015 IEEE International Conference on Smart City/SocialCom/SustainCom together with DataCom 2015 and SC2 2015, Chengdu, China. MOST 103-2221-E-008-089. 本人為通訊作者.
 19. Wei-Jen Wang, Hung-Lin Huang, Shan-Hao Chuang, Shao-Jui Chen, Chia Hung Kao, Deron Liang (2015, Sep). Virtual Machines of High Availability Using Hardware-Assisted Failure Detection. The 49th Annual International Carnahan Conference on Security Technology, Taipei, Taiwan. MOST 103-2221-E-008-089. 本人為第一作者、通訊作者.
 20. Wei-Jen Wang, Cheng-Ta Huang, Shiau-Rung Tsui, Shih-Jeng Wang (2015, May). Steganographic Greedy Algorithms for Data Hiding Based on Differences Under SMVQ. 13th International Workshop, IWDW 2014, Taipei, Taiwan. 本人為第一作者.
 21. Wei-Jen Wang, Shao-Jui Chen, Jui-Hao Yang, Tzu-Ming Chan (2015, Apr). Supporting Load-Balanced Virtual Machine Placement for Cloud Infrastructure as a Service. 2014 International Computer Symposium (ICS), Taichung, Taiwan. MOST 103-2221-E-008-089. 本人為第一作者、通訊作者.
 22. Wei-Jen Wang, Yu-Hong Zhang, Cheng-Ta Huang, Shih-Jeng WANG (2013, Oct). Steganography of Data Embedding in Multimedia Images Using Interpolation and Histogram Shifting. The 9th International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIH-MSP-2013), Beijing, China. nstc 101-2218-E-008-003. 本人為第一作者.

23. Yu-Sheng Wu, Tong-Ying Juang, Yue-Shan Chang, Wei-Jen Wang, Jun-Ting Lu (2013, Jul). Improving system and software deployment on a large-scale cloud data center. 2013 Fifth International Conference on Ubiquitous and Future Networks (ICUFN), Da Nang, Vietnam.
24. Yue-Shan Chang, Wei-Jen Wang*, Yu-Sheng Wu, Jun-Ting Lu, Lee Shu-Teng Chen, Chilung Wang (2013, Mar). Software Deployment and Management on a Large-Scale Cloud Data Center. the 2013 Symposium on Cloud and Services Computing, National Cheng Kung University, Taiwan. 本人為通訊作者.
25. Wei-Jen Wang, Chun-Chuan Chen, I-Fan Hsieh, Yean-Ren Hwang, Chao-Tung Lee, Kuo-Kuang Jen, Jung-Fu Wu, Kuo-Ming Chi (2013, Jan). GPU-Based Parallelism for Accelerating DCM for ERP Computation. 2012 Biomedical Engineering Symposium on Biosignal, Biosensor, Bioelectronics, and Bioengineering, National Taiwan University, Taiwan. 本人為第一作者.
26. Shiau-Rung Tsui, Cheng-Ta Huang, Wei-Jen Wang* (2012, Dec). Image Steganography Using Gradient Adjacent Prediction in Side-Match Vector Quantization. the 2012 International Computer Symposium, Hualien, Taiwan. nstc 100-2218-E-008-005. 本人為通訊作者.
27. Shiau-Rung Tsui, Wei-Jen Wang*, Shi-Shan Chen, Lee Shu-Teng Chen, Chilung Wang (2012, Dec). Parallel Clustering Based on Partitions of Local Minimal-Spanning-Trees. the 2012 International Symposium on Parallel Architectures, Algorithms and Programming, Taipei, Taiwan. nstc 101-2218-E-008-003. 本人為通訊作者.
28. Cheng-Ta Huang, Wei-Jen Wang*, Min-Yi Tsai, Chin-Feng Lee (2012, Sep). Employing LSB and VQ for Undetectable Secret Data Hiding. the 9th IEEE International Conference on Ubiquitous Intelligence and Computing, Fukuoka, Japan. nstc 100-2218-E-008-012. 本人為通訊作者.
29. Chih-Tien Fan, Yue-Shan Chang*, Wei-Jen Wang, Shyan-Ming Yuan (2012, Sep). Execution Time Prediction Using Rough Set Theory in Hybrid Cloud. the 9th IEEE International Conference on Ubiquitous Intelligence and Computing, Fukuoka, Japan.
30. Wei-Jen Wang*, I-Fan Hsieh, Chun-Chuan Chen (2012, Sep). Accelerating Computation of DCM for ERP with GPU-Based Parallel Strategy. the 9th IEEE International Conference on Ubiquitous Intelligence and Computing, Fukuoka, Japan. 本人為第一作者、通訊作者.
31. Min-Yi Tsai, Ping-Fang Chiang, Shao-Jui Chen, Wei-Jen Wang* (2012, Aug). A Decision Generation Algorithm Based on Granular Computing. the 2012 IEEE International Conference on Granular Computing, HangZhou, China. nstc 100-2218-E-008-005. 本人為通訊作者.

32. Yu-Ren Chen, Wei-Jen Wang, Yi-Chun Liao, Shun-Kai Wang, Worapot Sommoool (2012, Aug). Providing Efficient and Scalable e-Learning Services on the Cloud. the 5th IET International Conference on Ubi-Media Computing, Xining, China.
33. Yue-Shan Chang, Chih-Tien Fan, Wei-Jen Wang (2012, Aug). RST-based dynamic resource allocation in cloud environment. the 5th IET International Conference on Ubi-Media Computing , Xining, China.
34. Shao-Jui Chen, Wei-Jen Wang*, Cheng-Ta Huang, Bo-Min Jiang, Yue-Shan Chang (2012, Feb). A Model for Parallel Iterative Applications with Adaptability and Self-Provisioning on the Cloud. 2012 Symposium on Cloud and Service Computing , Taichung, Taiwan. nstc 100-2218-E-008-005. 本人為通訊作者.
35. Yu-Cheng Tso, Shih-Jeng Wang*, Cheng-Ta Huang, Wei-Jen Wang (2012, Feb). iPhone social networking for evidence investigations using iTunes forensics. the 6th ACM International Conference on Ubiquitous Information Management and Communication, Kuala Lumpur, Malaysia.
36. Chih-Tien Fan, Wei-Jen Wang, Yue-Shan Chang* (2011, Sep). Agent-based Service Migration Framework in Hybrid Cloud. the 13th IEEE International Conference on High Performance Computing and Communications (HPCC), Banff, Canada.
37. C.T. Huang, W.J. Wang, S.J. Wang, Jonathan C.L. Liu (2011, Mar). A Secret Embedding Scheme by Means of Re-indexing VQ Codebook upon Image Processing. 2011 International Conference on Data Engineering and Internet Technology (DEIT 2011), Bali, Indonesia. nstc 99-2218-E-008-012.
38. Cheng-Hsien Tang*, Min-Feng Wang, Wei-Jen Wang, Meng-Feng Tsai, Yuji Urata, Chow-Choong Ngeow, Induk Lee, Kuiyun Huang (2011, Mar). Large-Scale Data Management and Analysis for Astronomical Research. Proceedings of Science (PoS), the 2011 International Symposium on Grids and Clouds (ISGC 2011), Academia Sinica, Taipei, Taiwan. nstc 99-2218-E-008-012.
39. Jing-Ying Huang, Cheng-Ta Huang, Wei-Jen Wang* (2011, Jan). Providing Virtual Elastic Datacenters as a Service. the 2011 Symposium on Cloud and Service Computing , Taipei, Taiwan. nstc 99-2218-E-008-012. 本人為通訊作者.
40. Cheng-Hsien Tang, An-Cing Huang, Meng-Feng Tsai, Wei-Jen Wang* (2010, Dec). An Efficient Distributed Hierarchical-Clustering Algorithm for Large Scale Data. the 2010 International Computer Symposium, Tainan, Taiwan.
41. G. H. Luo, E. Z. F. Liu, Wei-Jen Wang, S. M. Yuan (2010, Dec). Cloud-based annotation systems for the future classrooms and e-books. the International Conference on Digital Content (ICDC 2010), National Central University, Taiwan.
42. Wei-Jen Wang, Cheng-Ta Huang, Shih-Jeng Wang* (2010, Dec). Side-match

- Prediction Scheme in Data Hiding. the Fourth International Conference on Genetic and Evolutionary Computing (ICGEC 2010), Shenzhen, China. nstc 99-2218-E-008-012.
43. Wei-Jen Wang, Cheng-Ta Huang, Shih-Jeng Wang (2010, Jan). Reversible Data Hiding Using Neighboring Block in VQ-Compressed Images. the 4th ACM International Conference on Ubiquitous Information Management and Communication (ICUIMC 2010), Suwon, Korea. nstc 98-2221-E-008-080.
 44. Chien-Hao Chiu, Ssu-Liang Shen, and Wei-Jen Wang* (2009, Nov). Runtime Reconfiguration Using I/O and CPU Profiler over Dynamic P2P Systems. CSIT 2009. nstc 98-2221-E-008-080.
 45. Sheng-Hao Liu and Wei-Jen Wang* (2009, Nov). A Design of Application-Aware Profiling and Monitoring Architecture for Cloud Computing. NCS 2009. nstc 98-2221-E-008-080.
 46. Cheng-Hsien Tang, Chong-Hua Yu, Ching-Hsuan Shen, MengFeng Tsai*, Wei-Jen Wang, Zhi-Wei Chang, Wen (2008, Dec). A System Design for Terabyte-Scale, Distributed Multidimensional Data Management and Analysis in the TAOS Project.. HPC ASIA 2009.
 47. Wei-Jen Wang, Kaoutar El Maghraoui, John Cummings, Jim Napolitano, Boleslaw K. Szymanski, Carlos A. Varela (2006, Dec). A Middleware Framework for Maximum Likelihood Evaluation over Dynamic Grids. Second IEEE International Conference on e-Science and Grid Computing, Amsterdam, Netherlands. 本人為第一作者、通訊作者。
 48. 陳純娟, 吳建均, 廖翊涵, 邱昱豪, 李思慧, 王尉任, 蘇木春, 詹瑞祺 (2016年10月)。虛擬實境復健歷程中運動參數改變與中風復原的相關性研究。TANET 2016 臺灣網際網路研討會, 東華大學。
 49. 黃泓霖, 陳劭睿, 何敏煌, 王尉任 (2016年10月)。在支援Overlay Network與Shared Volume之Docker Swarm叢集上提供高可用性軟體容器服務。TANET 2016 臺灣網際網路研討會, 東華大學。科技部: 105-2221-E-008-070-MY2。
 50. Wei-Jen Wang, Yu-Hong Zhang, Cheng-Ta Huang, Shih-Jeng Wang (2013年05月)。QR Code Applications and Authentications Based on Secret Sharing in Security Protections。第二十三屆全國資訊安全會議, 南台科技大學。本人為第一作者。
 51. 金冠媛, 黃正達, 王尉任 (2013年05月)。高影像品質之可逆式資訊隱藏技術。第二十三屆全國資訊安全會議, 南台科技大學。國科會: 101-2218-E-008-003。本人為通訊作者。
 52. 崔孝戎, 黃正達, 王尉任* (2011年10月)。植基於GAP高預測性的向量量化編碼資訊隱藏法。臺灣學術網路研討會(TANET 2011), 國立宜蘭大學。
 53. 黃正達, 劉忠旻, 王尉任* (2010年05月)。基於可回復邊緣吻合向量量化編

碼之雙重映射資訊隱藏。第二十屆資訊安全會議，國立交通大學,新竹。

技術報告

1. Carlos A. Varela, Gul Agha, Wei-Jen Wang, Travis Desell, Kaoutar El Maghraoui, Jason LaPorte, Ab (2007, Mar). The SALSA Programming Language 1.1.2 Release Tutorial.