年　　級：博 十

著作列表

Conference Papers

1. **<u>Ding-Jie Chen</u>,** Hwann-Tzong Chen, and Long-Wen Chang,
   "Video Object Cosegmentation,"
   The 20th ACM Multimedia Conference (ACM MM 2012), Nara, Japan

2. **<u>Ding-Jie Chen</u>,** Chi-Yun Liu, and Long-Wen Chang,
   "Matching Based Image Co-segmentation,"
   2014 International Conference on Information Science, Electronics and
   Electrical Engineering (ISEEE 2014), Sapporo, Japan

3. Pei-Chi Hsiao, **<u>Ding-Jie Chen</u>**, and Long-Wen Chang,
   "Modified Soft-decision Adaptive Interpolation by An Evolutionary
   Game,"
   IEEE International Conference on Image Processing (ICIP 2014), Paris,
   France

4. Bo-Chen Lin, **<u>Ding-Jie Chen</u>**, and Long-Wen Chang,
   "Unsupervised Image Co-segmentation Based on Cooperative Game,"
   The 12th Asian Conference on Computer Vision (ACCV 2014),
   Singapore, Singapore

5. **<u>Ding-Jie Chen</u>,** Hwann-Tzong Chen, and Long-Wen Chang,
   "Fast Defocus Map Estimation,"
   IEEE International Conference on Image Processing (ICIP 2016),
   Phoenix, AZ, USA

6. **<u>Ding-Jie Chen</u>,** Hwann-Tzong Chen, and Long-Wen Chang,
   "Interactive Segmentation from 1-Bit Feedback,"
   The 13th Asian Conference on Computer Vision (ACCV 2016), Taipei,
   Taiwan

7. **<u>Ding-Jie Chen</u>,** Hwann-Tzong Chen, and Long-Wen Chang,
   "Video Segmentation via Boundary-Aware Flow,"
   IEEE International Conference on Image Processing (ICIP 2017), Beijing,
   China

------------------- recently added publications -------------------

8. Jui-Ting Chien, Chia-Jung Chou, **<u>Ding-Jie Chen</u>**, Hwann-Tzong Chen, "Detecting Nonexistent Pedestrians,"
IEEE International Conference on Computer Vision Workshops (ICCVW 2017), Venice, Italy

9. **<u>Ding-Jie Chen</u>**, Hwann-Tzong Chen, and Long-Wen Chang, "Video Object Segmentation via Cellular Automata Refinement,"
The 4th Asian Conference on Pattern Recognition (ACPR 2017), Nanjing, China

10. **<u>Ding-Jie Chen</u>**, Jui-Ting Chien, Hwann-Tzong Chen, and Long-Wen Chang,
"Tap and Shoot Segmentation,"
The Thirty-Second AAAI Conference on Artificial Intelligence (AAAI 2018), New Orleans, USA

In progress of submission

1. **<u>Ding-Jie Chen</u>**, Hwann-Tzong Chen, and Long-Wen Chang, "SwipeCut: Interactive Segmentation with Diversified Seed Proposals,"
Submitted to IEEE Transactions on Image Processing (**under review**)

2. **<u>Ding-Jie Chen</u>**, Hwann-Tzong Chen, and Long-Wen Chang, "Toward a Unified Scheme for Fast Interactive Segmentation,"
Submitted to Elsevier Journal of Visual Communication and Image Representation (**under revision; major revisions**)

3. **<u>Ding-Jie Chen</u>**, Hwann-Tzong Chen, and Long-Wen Chang, "Interactive 1-Bit Feedback Segmentation Using Transductive Inference,"
Submitted to Springer Machine Vision and Applications (**under revision; minor revisions**)

4. **<u>Ding-Jie Chen</u>**, Jui-Ting Chien, Hwann-Tzong Chen, and Long-Wen Chang,
"Learning by Editing: Toward Self-Supervised Learning of Editing-Aware Representations from Internet Images,"
Submitted to IEEE Conference on Computer Vision and Pattern Recognition (**under review**)

年　　級：博　六

著作列表

Journal Papers

1. Che-Lun Hung, **Yu-Shiang Lin**, Chun-Yuan Lin, Yeh-Ching Chung, Yi-Fang Chung, "CUDA ClustalW: An efficient parallel algorithm for progressive multiple sequence alignment on Multi-GPUs", *Computational Biology and Chemistry (CBAC)*, 58-62, 2015.
   - **Contribution:** Che-Lun Hung (30%), **Yu-Shiang Lin** (30%), Chun-Yuan Lin (20%), Yeh-Ching Chung (10%), Yi-Fang Chung (10%)

2. Chun-Yuan Lin, Chung-Hung Wang, Che-Lun Hung, and **Yu-Shiang Lin**, "Accelerating Multiple Compound Comparison Using LINGO-Based Load-Balancing Strategies on Multi-GPUs", *International Journal of Genomics (IJG),* 2015.
   - **Contribution:** Chun-Yuan Lin (40%), Chung-Hung Wang (40%), Che-Lun Hung (10%), and **Yu-Shiang Lin** (10%).

3. **Yu-Shiang Lin**, Chun-Yuan Lin, Che-Lun Hung, Yeh-Ching Chung and Kual-Zheng Lee, "GPU- UPGMA: high-performance computing for UPGMA algorithm based on graphics processing units", *Concurrency and Computation Practice and Experience* (*CCPE),* 2014.
   - **Contribution:** **Yu-Shiang Lin** (50%), Chun-Yuan Lin (20%), Che-Lun Hung (10%), Yeh-Ching Chung (10%) and Kual-Zheng Lee (10%).

4. **Yu-Shiang Lin**, Chun-Yuan Lin, Hsiao-Chieh Chi and Yeh-Ching Chung, "Multiple Sequence Alignments with Regular Expression Constraints on a Cloud Service System", *International Journal of Grid and High Performance Computing* (*IJGHPC)*, 5(3), 55-64, 2013.
   - **Contribution:** **Yu-Shiang Lin** (60%), Chun-Yuan Lin (20%), Hsiao-Chieh Chi (10%) and Yeh-Ching Chung (10%).

Conference Papers

1. Chun-Yuan Lin, Chung-Hung Wang, Che-Lun Hung and **Yu-Shiang Lin**, "Efficient parallel algorithm for compound comparisons on multi-GPUs", in *IEEE International Conference on Bioinformatics and Biomedicine (IEEE-BIBM)*, 2014.
   - **Contribution:** Chun-Yuan Lin (40%), Chung-Hung Wang (40%), Che-Lun Hung (10%) and **Yu-Shiang Lin** (10%).

2. **Yu-Shiang Lin**, Chun-Yuan Lin and Jon-Yu Lee, "A New Non-Blocking Approach on GPU Dynamical Memory Management", in *International Workshop on Computational Science and Engineering (IWCSE)*, 2013.
   - **Contribution:** **Yu-Shiang Lin** (70%), Chun-Yuan Lin (20%) and Jon-Yu Lee (10%)

3. **Yu-Shiang Lin**, Chun-Yuan Lin and Yeh-Ching Chung, "GPU-Based Cloud Service for Multiple Sequence Alignments with Regular Expression Constrains", in *CloudCom*, 2012.
   - **Contribution:** **Yu-Shiang Lin** (70%), Chun-Yuan Lin (20%) and Yeh-Ching Chung (10%).

In progress of submission

Major Revision Decision:
Yu-Shiang Lin, Chun-Yuan Lin, Luis Herrera, Jia-Chi Chen, Che-Rung Lee, and Yeh-Ching Chung, "qCUDA: GPGPU Virtualization at a New API Remoting Method with Para-virtualization", *IEEE Transactions on Cloud Computing (TCC)*.
   - **Contribution:** **Yu-Shiang Lin** (50%), Chun-Yuan Lin (10%), Luis Herrera (10%), Jia-Chi Chen (10%), Che-Rung Lee (10%), and Yeh-Ching Chung (10%).

年　　級：博七（98 博士班入學）

著作列表

Conference Papers

1. <u>學生 **A**</u>, 共同作者, 共同作者: Optimal Nonpreemptive Scheduling in a Smart Grid Model. In Proceedings of The 27th International Symposium on Algorithms and Computation (ISAAC 2016)

2. 共同作者, <u>學生 **A**</u>, 共同作者, 共同作者, 共同作者, 共同作者: Complexity and Online Algorithms for a Coloring Problem on a Line In Proceedings of The 13th Workshop on Models and Algorithms for Planning and Scheduling Problems (MAPSP 2017)

3. <u>學生 **A**</u> and 共同作者: Bipartite Degree Anonymization by Edge Addition. In Proceedings of The 9th Asian Association for Algorithms and Computation (AAAC 2016)

4. 共同作者, <u>學生 **A**</u>, 共同作者, 共同作者, 共同作者, 共同作者: Complexity and Online Algorithms for Minimum Skyline Coloring of Intervals. In Proceedings of The 11th International Conference on Combinatorial Optimization and Applications (COCOA 2017)

5. 共同作者, 共同作者, <u>學生 **A**</u>, 共同作者: Convex Independence in Permutation Graphs. In Proceedings of The 10th International Conference on Combinatorial Optimization and Applications (COCOA 2016)

In Progress of Submission

6. <u>學生 **A**</u>, 共同作者, 共同作者: Non-preemptive Scheduling in a Smart Grid Model and its Implications on Machine Minimization. (Submitted to Algorithmica)

Papers in Progress

7. <u>學生 **A**</u>, 共同作者, 共同作者: Online Algorithm for Smart Grid Scheduling with Non-contiguous Timeslots (Plan for submitting to Information Processing Letters (IPL))

8. 共同作者, 共同作者, <u>學生 **A**</u>, 共同作者, 共同作者, 共同作者: Convexities in Some Special Graph Classes–New Results in AT-free Graphs and Beyond (Plan for submitting to Information Processing Letters (IPL))