

103 年 5 月 通過 學術審查

年 級：博七 (96 博士班入學)

著作列表

Journal Papers

1. **Chia Shin Ou**, Chin Lung Lu and R.C.T. Lee. “A Systematical and Parallel Approach to Solve Problems Involving Special Properties of Bit-vectors”, *the Computer Journal*, 2014. (published) (SCI, EI) [Impact Factor:0.755, 5-Year Impact Factor: 0.943]

Conference Papers:

1. **Chia Shin Ou** and R.C.T. Lee. “Bit-Parallel Operations to Investigate Properties of Logical Vectors by Logical Operations”, *Proceedings of the 27th Workshop on Combinatorial Mathematics and Computation Theory*, April, pp.15-20, 2010.
2. **Chia Shin Ou** and R.C.T. Lee. “A Parallel Approach to Solve the Approximation String Matching Problem”, *Proceedings of the 27th Workshop on Combinatorial Mathematics and Computation Theory*, April, pp.161-166, 2010.
3. **Chia Shin Ou**, Chin Lung Lu and R.C.T. Lee. “A Bit-Parallel Approach to Solve the Approximate String Matching Problem for Unlimited Pattern Length”, *Asian Association for Algorithms and Computation*, May, 2011.
4. **Chia Shin Ou** and R.C.T. Lee. “A Bit-Parallel Algorithm to Solve the Nearest Neighbor String Matching Problem”, *Proceedings of the 28th Workshop on Combinatorial Mathematics and Computation Theory*, pp.167-172, May, 2011.
5. **Chia Shin Ou**, Chin Lung Lu and R.C.T. Lee. “A Bit-Parallel Algorithm to Solve the k-Nearest Neighbor String Matching Problem”, *Proceedings of the 29th Workshop on Combinatorial Mathematics and Computation Theory*, April, pp.208-216, 2012.

6. **Chia Shin Ou**, Chin Lung Lu and R.C.T. Lee. “Solving the Subcircuit Extraction Problem by Using Bit-Parallel Filtering Algorithm”, *Proceedings of the 30th Workshop on Combinatorial Mathematics and Computation Theory*, April, 2013, pp.116-123.
7. **Chia Shin Ou** and R.C.T. Lee. “Bit-Parallel Filtering Algorithm to Solve the Approximate String Matching Problem”, *Proceedings of the 31th Workshop on Combinatorial Mathematics and Computation Theory*, April, pp.88-91, 2014.

Book chapter

1. R.C.T Lee, **Chia Shin Ou**, Yi Kung Hsieh and Chia Wei Lu. “String Matching Algorithms” (unpublished), Chapters 7, 14, 18 and 19.