DINGDING CHEN

+(86) 18202326148 ◇ dingding@cqu.edu.cn ◇ DBLP ◇ Google Scholar

EDUCATION

Chongqing University *2017-Present*
Ph.D. student in Computer Science
Supervisor - Prof. Zhongshi He and Lec. Ziyu Chen

Chongqing University *2015-2017*
M.S. in Computer Science
Supervisor - Prof. Zhongshi He

Kunming University of Science and Technology *2011-2015*
B.S. in Computer Science

RESEARCH INTEREST

Multi-agent systems, Distributed constraint optimization problems, Machine learning for combinatorial optimization

PUBLICATIONS

* for corresponding author, † for co-first author

[1]: **Dingding Chen**, Ziyu Chen*, Yanchen Deng, Zhongshi He, Lulu Wang. Inference-based Complete Algorithms for Asymmetric Distributed Constraint Problems. Artificial Intelligence Review, (**SCI, IF=9.588**).

[2]: **Dingding Chen**, Ziyu Chen*, Dingding Chen, Ziyu Chen, Zhongshi He, Junsong Gao, Zhizhuo Su. Learning heuristics for weighted CSPs through deep reinforcement learning. Applied Intelligence, 2022 (**SCI, IF=5.019**).

[3]: Jie Wang, **Dingding Chen**†, Ziyu Chen*, Xiangshuang Liu, Junsong Gao. Completeness Matters: Towards Efficient Caching in Tree-Based Synchronous Backtracking Search for DCOPs. In *Proceedings 28th International Conference on Principles and Practice of Constraint Programming (CP'22)*. (acceptance rate: 51.3%, **CCF-B**)

[4]: Yongwen Huang*, **Dingding Chen***, Haiyan Wang, Lulu Wang. Gender recognition of Guanyin in China based on VGGNet. Heritage Science, 2022 (**SCI**).

[5]: Xiangshuang Liu, Ziyu Chen, **Dingding Chen**, Junsong Gao A Bound-Independent Pruning Technique to Speeding up Tree-Based Complete Search Algorithms for Distributed Constraint Optimization Problems. In *Proceedings 27th International Conference on Principles and Practice of Constraint Programming (CP'21)*. (acceptance rate: 44%, **CCF-B**)

[6]: **Dingding Chen**, Yanchen Deng†, Ziyu Chen*, Zhongshi He, Wenxing Zhang. A Hybrid Tree-based Algorithm to Solve Asymmetric Distributed Constraint Optimization Problems. Journal of Autonomous Agents and Multi-Agent Systems, 2020 (**SCI, CCF-B**).

[7]: **Dingding Chen**, Yanchen Deng, Ziyu Chen*, Zhongshi He, Wenxing Zhang. HS-CAI: A Hybrid DCOP Algorithm via Combining Search with Context-based Inference. In *Proceedings of the 34th AAAI Conference on Artificial Intelligence (AAAI'20)*. (acceptance rate: 20.6%, **CCF-A**)

[8]: Ziyu Chen, Wenxin Zhang, Yanchen Deng*, **Dingding Chen**, Qiang Li. RMB-DPOP: Refining MB-DPOP by Reducing Redundant Inferences In *Proceedings of the 17th International Conference on Autonomous agents and Multiagent Systems (AAMAS'20)*. (acceptance rate: 23.0%, **CCF-B**)

[9]: Yanchen Deng, Ziyu Chen*, **Dingding Chen**, Xingqiong Jiang, Wenxing Zhang. AsymDPOP: Complete Inference for Asymmetric Distributed Constraint Optimization Problems. In *Proceedings of the 29th International Joint Conference on Artificial Intelligence (IJCAI'19)*. (acceptance rate: 17.9%, **CCF-A**)

[10]: Yanchen Deng, Ziyu Chen*, **Dingding Chen**, Xingqiong Jiang, Zhongshi He. PT-ISABB: A Hybrid Tree-based Complete Algorithm to Solve Asymmetric Distributed Constraint Optimization Problems. In *Proceedings of the 16th International Conference on Autonomous agents and Multiagent Systems (AAMAS'19)*. (acceptance rate: 24.0%, **CCF-B**)

[11]: Ziyu Chen, Xingqiong Jiang, Yanchen Deng*, **Dingding Chen**, Zhongshi He. A Generic Approach for Accelerating Belief Propagation based DCOP Algorithms via A Branch-and-Bound Technique. In *Proceedings of the 23rd AAAI Conference on Artificial Intelligence (AAAI'19)*. (acceptance rate: 16.2%, **CCF-A**)

[12]: Haiyan Wang*, Zhongshi He, Yiman He, **Dingding Chen**, Yongwen Huang. Average-face-based virtual inpainting for severely damaged statues of Dazu Rock Carvings. Journal of Cultural Heritage, 2019 (**SCI, SSCI, A&HCI**)

[13]: Haiyan Wang*, Zhongshi He, **Dingding Chen**, Yongwen Huang, Yiman He. Virtual Inpainting for Dazu Rock Carvings Based on a Sample Dataset. Journal on Computing and Cultural Heritage (JOCCH), 2019. (**SCI, A&HCI**)

[14]: Haiyan Wang*, Zhongshi He, Yongwen Huang, **Dingding Chen**, Zexun Zhou. Bodhisattva head images modeling style recognition of Dazu Rock Carvings based on deep convolutional network. Journal of Cultural Heritage, 2017. (**SCI, SSCI, A&HCI**)

HONOR AND AWARDS

- Grade A scholarship of Chongqing University (2017)
- The Best Creative Award of Chongqing Open Data Innovation Application Competition (CODA) (2017)
- Excellent graduate student of Chongqing University (2016)
- Second prize of HUAWEI Cup - National Graduate Mathematical Modeling Contest (2016)
- Excellent Graduate of Kunming University of Science and Technology (2015)
- Community Contribution Award of Kunming University of Science and Technology (2014)
- Second grade scholarship of Kunming University of Science and Technology (2012)

REFERENCES

- Prof. Zhongshi He ⟨zshe@cqu.edu.cn⟩
  - College of Computer Science, Chongqing University
- Lec. Ziyu Chen ⟨chenziyu@cqu.edu.cn⟩
  - College of Computer Science, Chongqing University