

6. **Peng Yang**, Ke Tang, Jose A. Lozano and Xianbin Cao. Path Planning for Single Unmanned Aerial Vehicle by Separately Evolving Waypoints. *IEEE Transactions on Robotics*, Vol. 31, Issue 5, pp. 1130-1146, 2015.
7. **Peng Yang**, Ke Tang and Xiaofen Lu. Improving Estimation of Distribution Algorithm on Multi-modal Problems by Detecting Promising Areas. *IEEE Transactions on Cybernetics*, Vol. 45, Issue 8, pp. 1438-1449, 2015.

REFERRED
CONFERENCE
PUBLICATIONS

1. Yunwen Lei, **Peng Yang**, and Ke Tang. Optimal Stochastic and Online Learning with Individual Iterates. In: *Proceedings of Conference and Workshop on Neural Information Processing Systems (NeurIPS 2019)*, Vancouver, Canada; 12/2019.
2. Er Zhuo, Yunjie Deng, Zhewei Su, **Peng Yang**, Bo Yuan, and Xin Yao. An Experimental Study of Large-scale Capacitated Vehicle Routing Problems. In: *Proceedings of the 2019 IEEE Congress on Evolutionary Computation (IEEE CEC 2019)*, Wellington, New Zealand; 06/2019.
3. Dongbing Jiao, **Peng Yang**, Liqun Fu, Liangjun Ke, and Ke Tang. Optimal Energy-Delay Scheduling for Energy Harvesting WSNs via Negatively Correlated Search. In: *Proceedings of the 2019 International Conference on Communications (ICC 2019)*, Shanghai, China; 07/2019.
4. Dongjun Qian, **Peng Yang*** and Ke Tang. A Fast Heuristic Path Computation Algorithm for Batch Bandwidth Constrained Routing Problem in SDN. In: *Proceedings of the 15th Pacific Rim International Conference on Artificial Intelligence (PRICAI 2018)*, pp. 490-502, Nanjing, China; 08/2018, Springer.
5. **Peng Yang**, Guanzhou Lu, Ke Tang and Xin Yao. A Multi-Modal Optimization Approach to Single Path Planning for Unmanned Aerial Vehicle. In: *Proceedings of the 2016 IEEE Congress on Evolutionary Computation (CEC 2016)*, pp.1735-1742, Vancouver, Canada; 07/2016, IEEE.
6. **Peng Yang**, Ke Tang, Lingxi Li and Kai Qin. Evolutionary Robust Optimization with Multiple Solutions. In: *Proceedings of The 18th Asia Pacific Symposium on Intelligent and Evolutionary Systems (IES 2015)*, Nov., 2015, Singapore; pp.611-625, Springer.
7. Wenjing Hong, Guanzhou Lu, **Peng Yang**, Yong Wang and Ke Tang. A New Evolutionary Multi-objective Algorithm for Convex Hull Maximization. In: *Proceedings of the 2015 IEEE Congress on Evolutionary Computation (CEC 2015)*, pp.931-938, Sendai, Japan; 05/2015, IEEE.
8. **Peng Yang**, Ke Tang and Jose A. Lozano. Estimation of Distribution Algorithms based Unmanned Aerial Vehicle Path Planner Using a New Coordinate System. In: *Proceedings of the 2014 IEEE Congress on Evolutionary Computation (CEC 2014)*, pp.1469-1476, Beijing, China; 07/2014, IEEE.

PROFESSIONAL
SERVICES

Special Session Organizer

- Co-chair of Special Session on "Evolutionary Optimization: Foundations and Its applications to Intelligent Data Analytics" at ICIC'18.

Invited Talks

- "Large-scale Distributed Evolutionary Computational Engine", Huawei Technologies CO., LTD., Shenzhen, China; 09/2019.
- "Large-scale Distributed Evolutionary Computation", the 6th Chinese Workshop on Evolutionary Computation and Learning (ECOLE'2019), Xiangtan, China; 05/2019.
- "Turning High-dimensional Optimization into Computationally Expensive Optimization", the 15th Pacific Rim International Conference on Artificial Intelligence (PRICAI'2018), Nanjing, China; 08/2018.

Journal Reviewer

- IEEE Transactions on Evolutionary Computation
- IEEE Transactions on Industrial Electronics
- IEEE Transactions on Emerging Topics in Computational Intelligence
- Information Sciences
- IEEE Access
- Applied Soft Computing
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Conference PC member

- The International Conference on Machine Learning (ICML'20)
- The Association for the Advancement of Artificial Intelligence (AAAI'19, AAAI'20)
- The International Joint Conferences on Artificial Intelligence (IJCAI'18, IJCAI'19, IJCAI'20)
- The IEEE Congress on Evolutionary Computation (IEEE CEC'19, CEC'20)
- The International Conference on Simulated Evolution and Learning (SEAL'17)
- The IEEE Symposium Series on Computational Intelligence (SSCI'16)
- The World Multi-Conference on Systemics, Cybernetics And Informatics (WMSCI'15, WMSCI'18)