

Peng Yang

PERSONAL INFORMATION	<i>Name:</i> Peng Yang <i>Gender:</i> Male <i>Email:</i> trevor@mail.ustc.edu.cn	Ph.D. <i>Birthdate:</i> Sept.10th 1990 <i>Phone:</i> +86-15555129131
RESEARCH INTERESTS	Computational Intelligence, including evolutionary computation, meta-heuristic search, and various real-world applications.	
EDUCATION	University of Science and Technology of China , Hefei, China Ph.D., Computer Science, 09/2012 - 06/2017 Supervisors: Prof. Xin Yao and Prof. Ke Tang B.Eng., Computer Science, 09/2008 - 06/2012	
RESEARCH EXPERIENCE	Research Assistant Professor Department of Computer Science and Engineering, Southern University of Science and Technology, China Senior Engineer IT Algorithm Department, Huawei Technologies CO., LTD., China Research Assistant USTC-Birmingham Joint Research Institute in Intelligent Computation and Its Applications (UBRI), University of Science and Technology of China, China Supervisors: Prof. Xin Yao and Prof. Ke Tang Visiting Student National Institute of Informatics, Japan Host supervisor: Prof. Helmut Prendinger Became an alumnus of Sakura Science Plan launched by JST(Japan Science Technology Agency). Visiting Student The Centre of Excellence for Research in Computational Intelligence and Applications (CERCIA), University of Birmingham, U.K. Host supervisor: Prof. Xin Yao Visiting Student The Intelligent Systems Group, University of Basque Country, Spain Host Supervisor: Prof. Jose A. Lozano	Feb. 2018 - present Sept. 2012 - June 2017 Oct 04th 2015 - Oct 24th 2015 July 2014 - Jan 2015 Nov. 2013 - May 2014
AWARDS	<ul style="list-style-type: none">• Special Prize of Presidential Scholarship of Chinese Academy of Sciences 2017• Excellent Graduate Student of Anhui Province 2017• Excellent Graduate Student of University of Science and Technology of China 2017• Guorui Scholarship 2016• IEEE Computational Intelligence Society Outstanding Student Paper Travel Grants 2016• Microsoft Research Asia Fellowship (Nomination Award) 2015• USTC-Institute of Advanced Manufacturing Technology Scholarship 2015• IEEE Computational Intelligence Society Graduate Student Research Grants 2015• National Scholarship for Graduate Students 2014	
REFERRED JOURNAL PUBLICATIONS	<ol style="list-style-type: none">1. Peng Yang, Ke Tang and Xin Yao. Turning High-dimensional Optimization into Computationally Expensive Optimization. <i>IEEE Transactions on Evolutionary Computation</i>, Vol. 22, Issue 1, pp. 143-156, 2018. (Top 10 popular article in IEEE Transactions on Evolutionary Computation)2. Jinhong Zhong, Peng Yang, Ke Tang. A Quality-Sensitive Method for Learning from Crowds. <i>IEEE Transactions on Knowledge and Data Engineering</i>, Vol. 29, Issue 12, pp. 2643-2654, 2017.3. Peng Yang, Ke Tang and Xiaofen Lu. Improving Estimation of Distribution Algorithm on Multimodal Problems by Detecting Promising Areas. <i>IEEE Transactions on Cybernetics</i>, Vol. 45, Issue 8, pp. 1438-1449, 2015.	

4. **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. **(Top 25 popular article in IEEE Transactions on Robotics)**
5. Ke Tang, **Peng Yang** and Xin Yao. Negatively Correlated Search. *IEEE Journal on Selected Areas in Communications*, Vol. 34, Issue 3, pp. 1-9, March 2016. **(Top 50 popular article in IEEE Journal on Selected Areas in Communications)**

REFERRED
CONFERENCE
PUBLICATIONS

1. **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 (CEC2016)*, pp.1735-1742, Vancouver, Canada; 07/2016, IEEE.
2. **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 (CEC2014)*, pp.1469-1476, Beijing, China; 07/2014, IEEE.
3. **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*, Nov., 2015, Singapore; pp.611-625, Springer.
4. 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 (CEC2015)*, pp.931-938, Sendai, Japan; 05/2015, IEEE.

PROFESSIONAL
SERVICES

Membership

- IEEE student member

Jan 2014 – Jan 2017

Journal Reviewer

- IEEE Transactions on Evolutionary Computation
- IEEE Transactions on Industrial Electronics
- Information Sciences
- Memetic Computing
- Natural Computing
- Swarm and Evolutionary Computation
- Journal of Systemics, Cybernetics, and Informatics (JSCI)

Conference PC member

- The International Joint Conferences on Artificial Intelligence (IJCAI'18)
- The IEEE Symposium Series on Computational Intelligence (SSCI'16)
- The World Multi-Conference on Systemics, Cybernetics And Informatics (WMSCI'15, WMSCI'18)

PROFESSIONAL
SKILLS

- MATLAB, Python, JAVA, C/C++
- L^AT_EX, MS Office, Photoshop
- HTML, CSS