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**Bio**

Dr. Weiwei Wu is currently a professor in the School of Computer Science and Engineering, Southeast University, P.R. China. He has published over 50 peer-reviewed papers in international conferences/journals, and serves as TPCs and reviewers for several top international journals and conferences. His research interest covers the applications of optimization method in wide range of topics, including combinatorial optimization and algorithms, game theory, reinforcement learning, multi-agent systems, swarm system, real-time scheduling.

吴巍炜, **教授、博导，东南大学“至善学者”**。2011年分别获得香港城市大学和中国科技大学博士学位，2011-2012年新加坡南洋理工大学博士后，2012年起在东南大学计算机学院任职副教授、教授。研究内容广泛涉及基于优化方法和算法设计的计算机应用研究，包括群智计算、物联网与大数据、博弈拍卖理论、强化学习、多智能体、无线网络等，培养学生用算法解决应用问题的能力。在相关研究领域国际会议和期刊上发表学术论文50余篇，并担任多个国际著名期刊会议的程序委员会委员和审稿人。先后获得ACM新星奖，微软亚洲研究院“微软学者”称号，中国科学院“院长奖”等。  
   \*   我们每周定期举行一次优化方法研讨会“Weekly seminar on optimizations”,分享计算机科学应用研究中广泛涉及的优化方法和技术，面向全院学生开放，欢迎有兴趣的同学参加。  
   \*   我们正在招收**博士生、硕士生**，欢迎有意深造的学生报考请。有意申请者发送简历至IMG_258。请在确认您的意向前先阅读招生说明

**Research Interests**

I have wide research interests, including reinforcement learning, big data, swarm intelligence, multi-agent systems and real-time scheduling. In particular, we hope to enable computing machines to make intelligent decision and optimize the decision process, which is mainly related with **intelligent perception and intelligent computing**.

Related with this goal,  I am currently interested in the following topics

* Reinforcement learning in sequential decision making
* Intelligent perception from multi-source data
* Deep learning and big data analysis
* Multi-agent coordination and cooperation
* Game theory and incentive mechanism design
* Autonomous UAV/robot systems
* Multi-UAV/Swarm system
* Real-time computing and scheduling

For applications, I am mainly interested in the following topics

* Computer-vision based UAV/Robot plannning
* AI-aided networking
* Object detection, tracking and ReID
* AI-aided gaming and multi-agent competition
* Multi-UAV monitoring in unknown environments

**News!**

**\* Our one new paper on semantic segmentation is accepted in ECCV 2020, CCF B.**  
 (congratulations to Liyi!)

**\* Our two new papers on Strategy Game AI and Learning-based Flow Scheduling are accepted in NCAA 2020, CBD2020.**  
 (congratulations to Zhentao, Yuxin, Kai and hong!)

**\*UAV cooperation platform COUAS is open-sourced and the work is published in Transactions on Sensor Networks.**  
 (congratulations to Ziyao, Yuxin and Hailong!)

**\* Our one new paper on budget-feasible fair mechanisms is accepted in AAMAS 2020, CCF B.**  
 (congratulations to Xiang Liu!)

**\* Our one new paper on cloud recovery planning is accepted in Trans. on Service Computing (TSC), JCR Q1.**

**\* Our one new papers is accepted in Sensors.**

**\* Our one new paper on rate scheduling is accepted in Sensors.**  
 (congratulations to Huafan!)

**\* Our one new paper on speed scaling is accepted in Journal of Scheduling.**

**\* Our one new paper on monitor placement is accepted in INFOCOM 2018, CCF A.**

**\* Our one new paper on budgeted procurement mechanisms is accepted in IJCAI 2018, CCF A.**  
 (congratulations to Xiang Liu!)

**Education and Academic Positions**

Professor, Southeast University, China, 2019-Now.

Associate Professor,Southeast University, China, 2012.11-2019.

Postdoc/Research fellow, Nanyang Technological University, Singapore, 2011-2012.

Ph.D. in Computer Science, City Univertiy of Hong Kong, Hong Kong, CityU, 2007-2011.

Ph.D in Computer Science, University of Science and Technology of China, China, USTC, 2006-2011.

B.S. in Computer Science and Engineering, South China University of Technology, SCUT, 2002-2006.

**Awards and Honors**

\* ACM China，“Rising Star”，2017

\* Microsoft Research Asia，“MSRA Fellowship”，2010

\* Chinese Acadamy of Sciences,“Dean's Scholaship”,2011；

\* City University of Hong Kong, Peter-Ho Scholarship, 2008