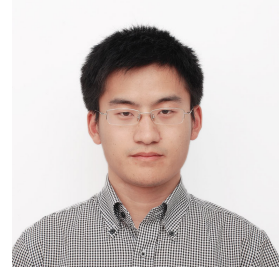# Jun Pei

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Education

2005–2009 **Bachelor**, *Hefei University of Technology*, Hefei.
Major: Management Science and Engineering, Management Science

2009–2014 **Doctor (in the Successive Postgraduate and Doctoral Program)**, *Hefei University of Technology*, Hefei.
Discipline: Management Science and Engineering, Information Management and Information Systems

2012–2014 **Visiting scholar (in the Joint Training Ph.D Program)**, *University of Florida*, Gainesville.
Discipline: Industrial and Systems Engineering

Research Areas

1. Scheduling
2. Coordination problems of scheduling and transportation
3. Optimization problems in Internet of Things
4. Cloud scheduling

Project Experiences

2008–2010 **In Maanshan City, China**.
Scheduling and planning optimization system development for Maanshan Iron and Steel Group
This project can save around 2 million dollars of production cost for Maanshan Iron and Steel Group each year
Role: participant

2009–2011 **In Hefei City, China**.
The evaluation and ranking system and website development of listed company (www.zglist.com)
Role: principle participant
In charge of: designing algorithm for the evaluation and ranking system and website architecture and development

2011–2012 **In Suzhou City, China**.
Manufactual scheduling optimization system development of Changfa Aluminium Group

Role: principle participant

In charge of: the scheduling algorithms designing and system development

Research Projects

2013–2017 **Major Project Supported by China Nature Science Foundation**.

Title: Research on resource collaborative optimization and organization management theory and methods of Internet of Things

Role: principle participant

In charge of: designing collaborative optimization algorithms for intelligent manufacturing and intelligent transportation in Internet of Things.

Publication list

1. **Jun Pei**, Xinbao Liu, Panos M. Pardalos, Wenjuan Fan, Shanlin Yang, Ling Wang. Application of an effective modified gravitational search algorithm for the coordinated scheduling problem in a two-stage supply chain. The International Journal of Advanced Manufacturing Technology. 2014, 70(1-4):335-348.

2. **Jun, Pei**, Xinbao Liu, Panos M. Pardalos, Wenjuan Fan, Ling Wang, and Shanlin Yang. Solving a supply chain scheduling problem with non-identical job sizes and release times by applying a novel effective heuristic algorithm. International Journal of Systems Science (Online) DOI: 10.1080/00207721.2014.902553.

3. **Jun Pei**, Xinbao Liu, Panos M. Pardalos, Wenjuan Fan, Shanlin Yang. Single machine serial-batching scheduling with independent setup time and deteriorating job processing times. Optimization Letters. (Online) DOI: 10.1007/s11590-014-0740-z.

4. **Jun Pei**, Panos M. Pardalos, Xinbao Liu, Wenjuan Fan, Shanlin Yang, Ling Wang. Coordination of production and transportation in supply chain scheduling, Journal of Industrial and Management Optimization (Accepted).

5. **Jun Pei**, Xinbao Liu, Wenjuan Fan and Panos M. Pardalos. A Novel Hybrid Dynamic Programming Algorithm for A Two-Stage Supply Chain Scheduling Problem. Learning and Intelligent Optimization Conference LION 8. (Accepted).

6. Wenjuan Fan, Shanlin Yang, **Jun Pei**. A novel two-stage model for cloud service trustworthiness evaluation. Expert Systems. (Online). DOI: 10.1111/exsy.12017.

7. Xinbao Liu, **Jun Pei**, Wenjuan Fan, Shanlin Yang. Optimization for Batch Scheduling Problem Based on Mould Capability. International Journal of Advancements in Computing Technology. 2012, 4(17): 211-219.

8. Wenjuan Fan, Shanlin Yang, Harry Perros, **Jun Pei**, A Multi-dimensional trust-aware cloud service selection mechanism based on Evidential Reasoning Approach, International Journal of Automation and Computing(Accepted)

9. Ge Feifei, Liu Lin, **Pei Jun**, Zhang Xiazi. Study of one-dimensional cutting stock problem with multi-object optimization, 2011 International Conference on Network Engineering and Computer Science. 2011,11(9):2912-2918

10. Wenjuan Fan, Shanlin Yang, **Jun Pei**, He Luo. Building Trust into Cloud. International Journal of Cloud Computing and Service Science. 2012, 1(3):115-122.

11. **Jun Pei**, Xinbao Liu, Wenjuan Fan, Lin Liu, Yulei Zhang. Integration scheduling optimization problem of production and transportation in supply chain. Journal of Nanjing University of Science and Technology, v 36, n. 2, p 292-298, October 2012, Language: Chinese.

12. **Jun Pei**, Xinbao Liu, Wenjuan Fan, Shanlin Yang, Chang Fang. Supply chain optimization problem based on the integration of production and transportation, Chinese Journal of Management Science, 2012 Special Issue. Language: Chinese.

13. Chang Fang, Xinbao Liu, **Jun Pei**, Lin Liu. A multi-objective one-dimensional cutting-stock problem based on sequential heuristic evolutionary algorithms, Chinese Journal of Management Science, 2012 Special Issue. Language: Chinese.

Patent

Title: Cloud computing resource scheduling method based on scheduling object space
Inquiry No.: CN102780759 A

As a Reviewer for

- European Journal of Operational Research
- International Journal of Electrical Power and Energy Systems
- Journal of Combinatorial Optimization
- Journal of Industrial and Management Optimization
- Environmental Modeling & Assessment
- Advances in Decision Sciences

Awards

2013: National Scholarship for PhD. students
2009: Excellent Graduate of Anhui Province, China
2008: National Scholarship for undergraduate students
2007: Joint Management Scholarship
2006–2009: Each year with School Scholarship of Hefei University of Technology