

## Curriculum Vitae of Dr. Xiaoxia Li

Associate Professor in Computer Science and Technology  
College of Informatics, Huazhong Agricultural University  
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### Research interest

My main interests lie in the development of smart manufacturing techniques. The fields could be **Sustainable manufacturing**, **Intelligent optimization**, and **Big data in manufacturing**.

### Education & academic appointments

- 01/2017-present     **Associate Professor in Computer Science**, College of Informatics, Huazhong Agricultural University, Wuhan, China
- 09/2015-12/2016   **Lecturer in Computer Science**, College of Informatics, Huazhong Agricultural University, Wuhan, China
- 08/2014-9/2015     **Post-doctoral Research Fellow**, Coventry University, UK
- 07/2012-06/2014   **Lecturer in Computer Science**, College of Science, Huazhong Agricultural University, Wuhan, China
- 08/2008-06/2012   **Doctor**, Computer Science, Wuhan University, Wuhan, China
- 09/2006-07/2008   **Master**, Computer Science, Wuhan University, Wuhan, China
- 09/1997-06/2001   **Bachelor**, Computer Science, South Central University for Nationality, Wuhan, China

### Ongoing and finished third-party funding

- 01/2019     National Natural Science Foundation of China (NSFC) grant: “Research on the optimization of energy consumed in NC machining process based on cooperative coevolution algorithm” (27.000 RMB Yuan for 3 years)
- 01/2018     Fundamental Research Funds for the Central Universities: “Research on building agricultural equipment manufacturing cyber physical system based on internet +” (20.000 RMB Yuan for 3 years)
- 01/2016     National Natural Science Foundation of Hubei Province grant: “Research on the framework and key technology of NC equipment cyber physical system”

(3.000 RMB Yuan for 2 years)

- 01/2014 Fundamental Research Funds for the Central Universities: “Research on the integration and optimization of process planning and job shop scheduling for sustainable manufacturing” (12.0000 RMB Yuan for 3 years)
- 01/2013 HZAU Startup grant (intramural): “Research on the integration of heterogeneous CAD system” (3.000 RMB Yuan for 2 years)

### **Peer-review & editorial duties**

I have served as a reviewer for Cogent Engineering and Defence Technology.

### **Five selected & project-relevant publications**

1. X.X.Li, F.Z. He, W.D. Li, A cloud-terminal-based cyber-physical system architecture for energy efficient machining process optimization, *Journal of Ambient Intelligence and Humanized Computing*, , 2019, 10(3): 1049-1064.
2. X.X. Li, W.D. Li, F.Z. He, A multi-granularity NC program optimization approach for energy efficient machining, *Advances in Engineering Software*, 2018, 115: 75-86.
3. Xiaoxia Li, Weidong Li, XiantaoCai, Fazhi He. A hybrid optimization approach for sustainable process planning and scheduling. *Integrated Computer-Aided Engineering*, 2015, 22(1): 311-326.
4. Xiaoxia Li, Fazhi He, XiantaoCai, Dejun Zhang, Yilin Chen. A method for topological entity matching in the integration of heterogeneous CAD systems. *Integrated Computer-Aided Engineering*, 20, pp 15-30, 2013.
5. Xiaoxia Li, Fazhi He, XiantaoCai, Dejun Zhang. CAD data exchange based on the recovery of feature modelling procedure, *International Journal of Computer Integrated Manufacturing*, 25(10), pp 874-887, 2012.

### **Mentoring of students, and teaching duties**

Currently, I am actively involved in both under-graduate teaching at the Huazhong Agricultural University (Wuhan, China). 2 master students are graduated under my supervision.