

## IMS Researcher Profile

Institution: UC

Name: Wenzhu Liao (Amy)

Contact info: liaowenzhu@sjtu.edu.cn

Expertise: Industrial Engineering, Quality control, Maintenance management.



### Education:

09.2005~now	Ph.D.	Industrial Engineering	Shanghai Jiao Tong Univ.
09.2000~06.2005	B.S.E.	Industrial Engineering	Shanghai Jiao Tong Univ.

### Projects related:

1. Research of non-homogeneous Markovian deteriorating systems and dynamic preventive maintenance policy (NSFC)
2. Research of core technologies for intelligent solid-loading container dock (Shanghai Gov.)
3. Research of centralized maintenance technology for process computer system (Baosteel)

### Publications related:

1. Liao Wenzhu, Pan Ershun, Xi Lifeng. Reliability Allocation and Research of System Based on Improved Ant Algorithm and Tabu Search. *The Proceedings of the 14<sup>th</sup> IE&EM.*
2. Liao Wenzhu, Pan Ershun, Xi Lifeng. Dynamic preventive maintenance policy based on health index. *Journal of Computer Integrated Manufacturing Systems.*
3. Liao Wenzhu, Pan Ershun, Xi Lifeng. Development of maintenance scheduling for repairable deteriorating system. *The Proceeding of 38<sup>th</sup> CIE.*
4. Liao Wenzhu, Pan Ershun, Xi Lifeng. A condition-based maintenance policy for intelligent monitored system. *International Journal of Computer Applications in Technology.*
5. Liao Wenzhu, Pan Ershun, Xi Lifeng. Research on dynamic predictive maintenance policy based on system reliability. *Journal of Shanghai Jiao Tong University.*