

IMS Researcher Profile

Institution: UC

Name: Jianbo (Bob) Yu

Contact Info: 513-556-3412

Expertise: Industrial engineering, Quality control, Maintenance, Machine learning.

Current Research Activities: Quality control, Maintenance, and Machine learning.

Dissertation/Thesis Topics: Manufacturing process quality control based intelligent learning models

Project 1: P&G

- Adaptive process monitoring
- Process failure diagnosis

Project 2: CISCO

- Network anomaly detection using intelligent learning model

Skills: 6 Sigma, MIS designing and developing, and machine learning.

Previous Background: joined and completed some projects related to quality control and maintenance.

Publications :

1. Yu Jian-bo, Xi Li-feng. An Improved Particle Swarm Optimization for Evolving Feedforward Artificial Neural Networks. *Neural Processing Letters*, **26(3)**, 2007, 217-231.
2. Yu Jian-bo, Wang Shi-jing, Xi Li-feng. Evolving Artificial Neural Networks Using an Improved PSO/DPSO. *NeuroComputing*, **2008**, 71(4-6).
3. Yu Jian-bo, Xi Li-feng. Intelligent Monitoring and Diagnosis of Manufacturing Processes Using an Integrated Approach of KBANN and GA. *Computers in Industry*, **2008**, 59(5).
4. Yu Jian-bo, Xi Li-feng. A Neural Network Ensemble-based Model for On-line Monitoring and Diagnosis of Out-of-control Signals in Multivariate Manufacturing Processes. *Expert Systems With Applications*. ([Online](#)).
5. Yu Jian-bo, Xi Li-feng. A Hybrid Learning-based model for On-line Monitoring and Diagnosis of Out-of-control Signals in Multivariate Processes. *International Journal of Production Research*. ([Online](#))

